

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062917\
 Data File : BF096300.D
 Acq On : 29 Jun 2017 19:13
 Operator : SJ/MA
 Sample : I3932-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 30 01:07:43 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	184949	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	787400	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	327711	20.00	ng	0.00
63) Phenanthrene-d10	11.28	188	526138	20.00	ng	0.00
75) Chrysene-d12	13.92	240	330516	20.00	ng	0.00
86) Perylene-d12	15.34	264	347357	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	1269800	98.91	ng	0.01
7) Phenol-d6	6.40	99	1564631	100.65	ng	0.01
23) Nitrobenzene-d5	7.33	82	913770	80.34	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	302483	117.28	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1294256	72.33	ng	-0.02
78) Terphenyl-d14	12.87	244	825960	62.36	ng	0.00

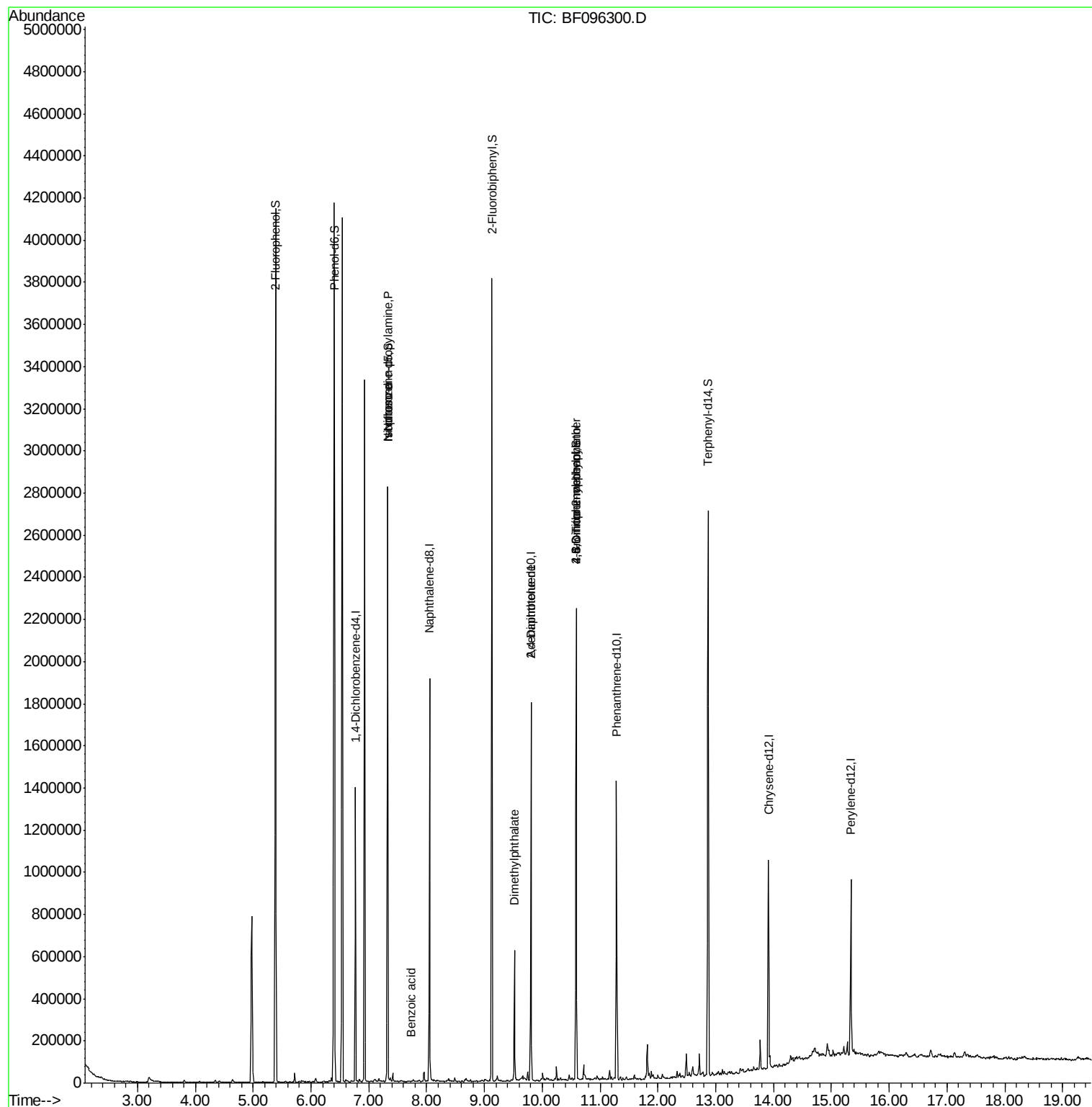
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.31	77	778	Below Cal	#	79
19) n-Nitroso-di-n-propylamine	7.33	70	119987	12.88	ng	# 88
25) Isophorone	7.33	82	913546	35.37	ng	# 67
32) Benzoic acid	7.73	122	429	8.83	ng	# 74
49) Dimethylphthalate	9.52	163	243712	10.39	ng	99
56) 2,4-Dinitrotoluene	9.80	165	41808	6.80	ng	# 33
57) Fluorene	10.35	166	787	Below Cal	#	76
64) 4,6-Dinitro-2-methylphenol	10.59	198	496	8.90	ng	# 1
66) 4-Bromophenyl-phenylether	10.59	248	15714	2.90	ng	# 1
70) Phenanthrene	11.30	178	14716	Below Cal		97

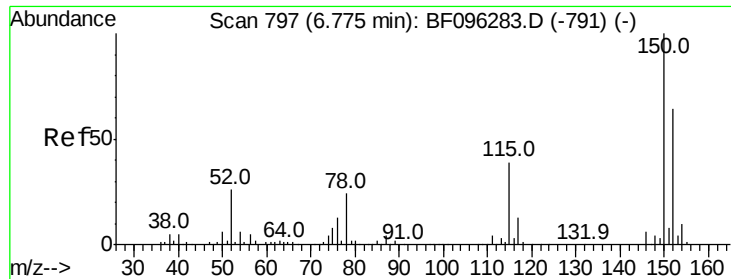
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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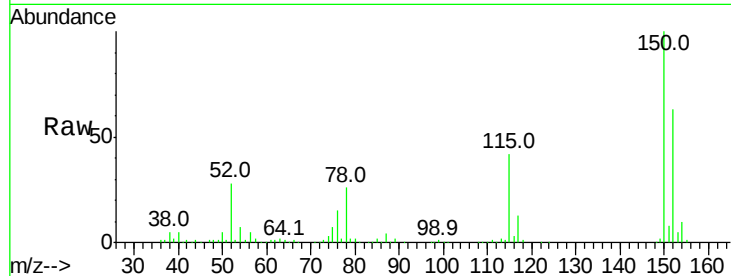


#1

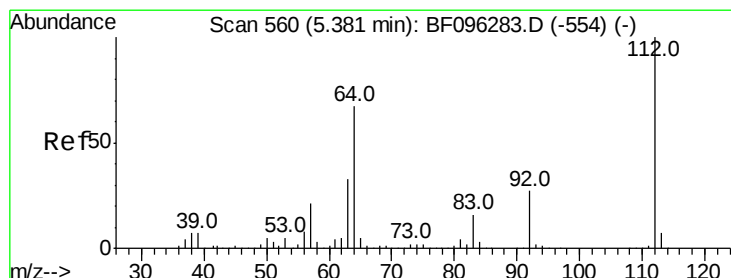
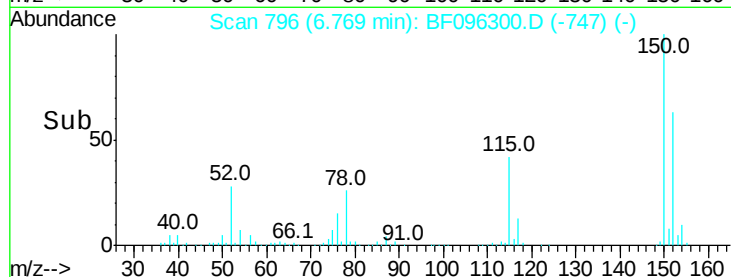
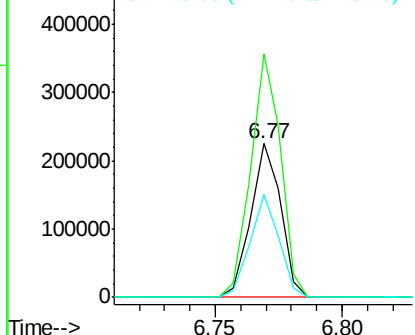
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096300.D
Acq: 29 Jun 2017 19:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 184949
Ion Ratio Lower Upper
152 100
150 158.7 126.2 189.2
115 66.7 52.2 78.2



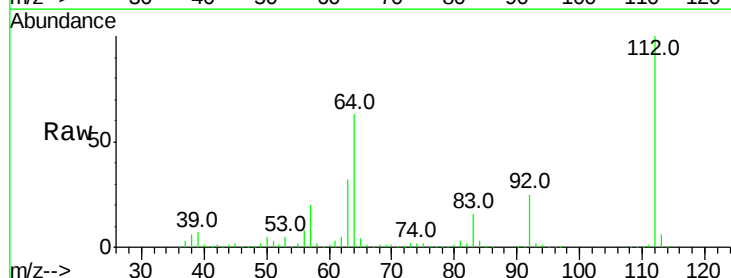
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



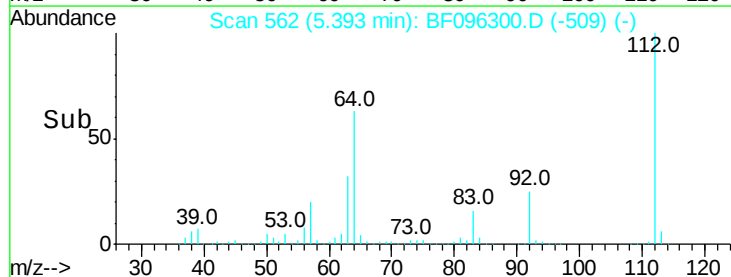
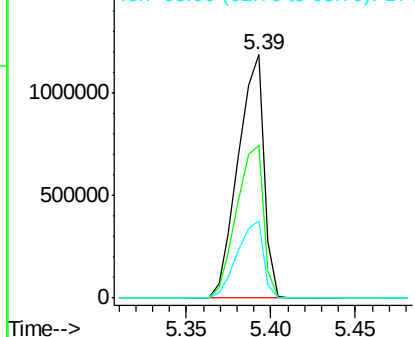
#5

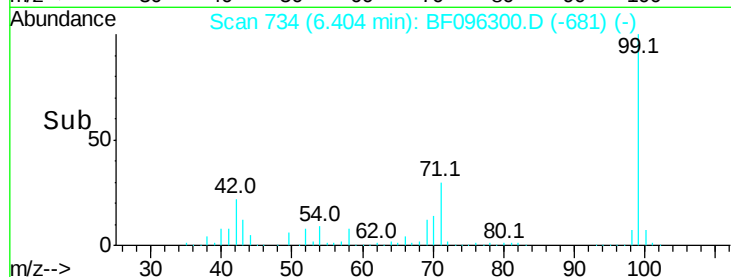
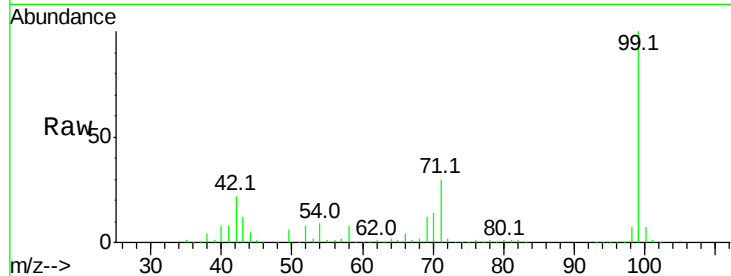
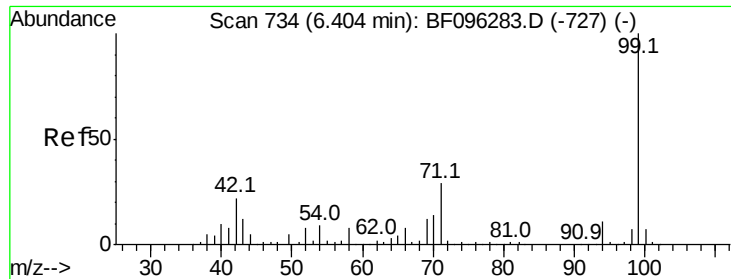
2-Fluorophenol
Concen: 98.91 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF096300.D
Acq: 29 Jun 2017 19:13

Tgt Ion:112 Resp: 1269800
Ion Ratio Lower Upper
112 100
64 62.7 46.0 69.0
63 31.8 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: 100.65 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096300.D

Acq: 29 Jun 2017 19:13

Instrument :

BNA_F

ClientSampleId :

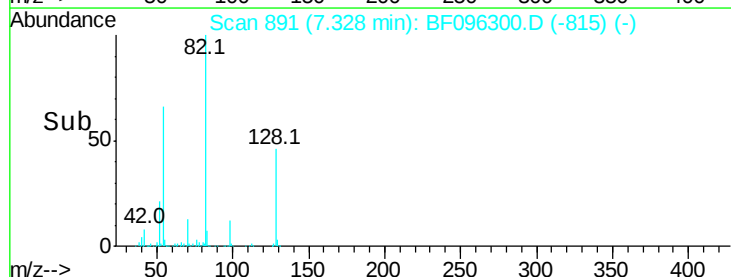
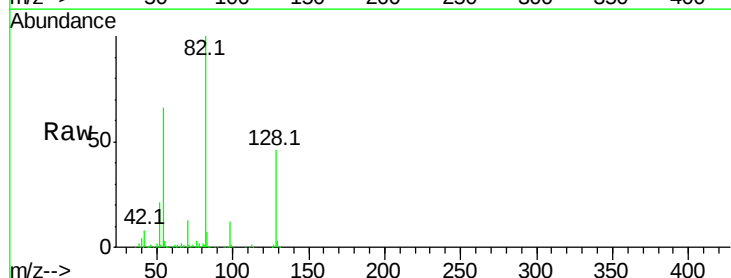
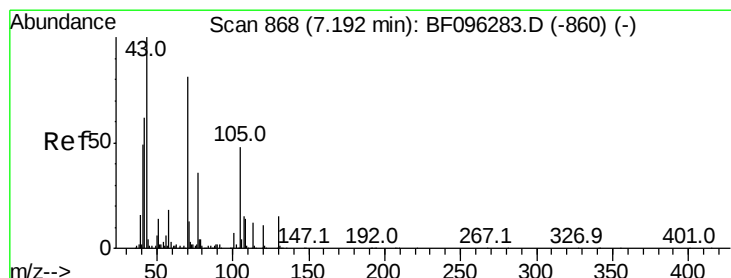
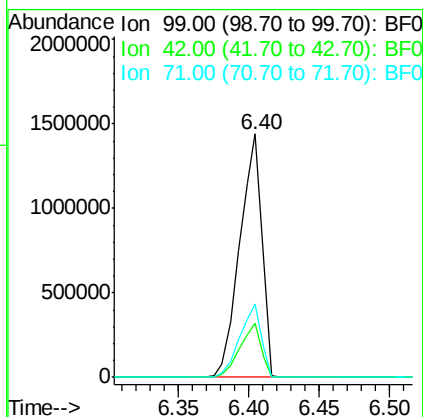
Tot Ion: 99 Resp: 1564631

Ion Ratio Lower Upper

99 100

42 22.0 13.5 20.3#

71 30.1 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 12.88 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF096300.D

Acq: 29 Jun 2017 19:13

Tgt Ion: 70 Resp: 119987

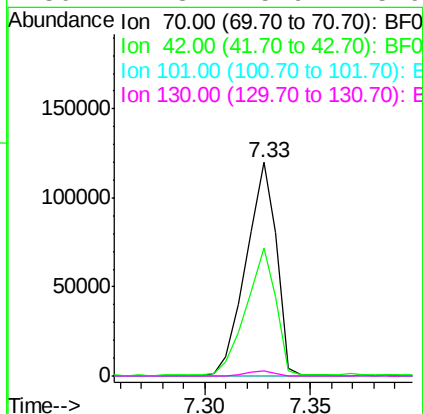
Ion Ratio Lower Upper

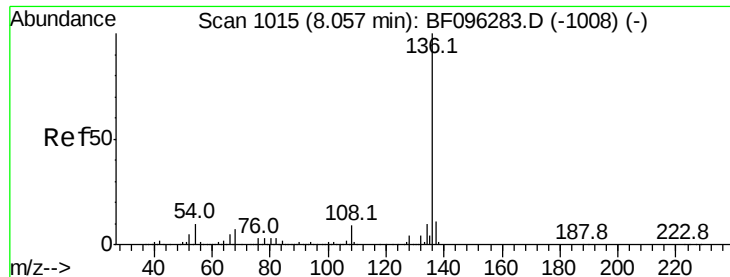
70 100

42 59.8 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

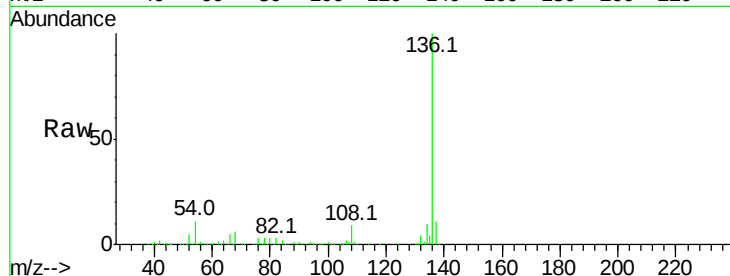




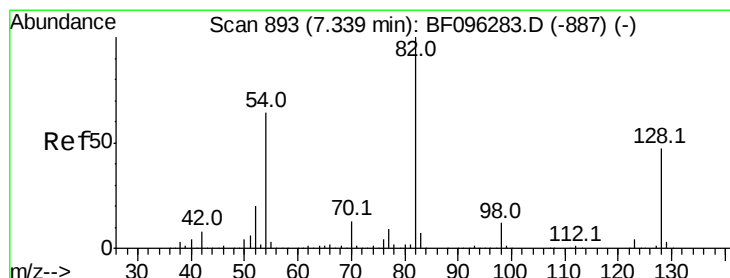
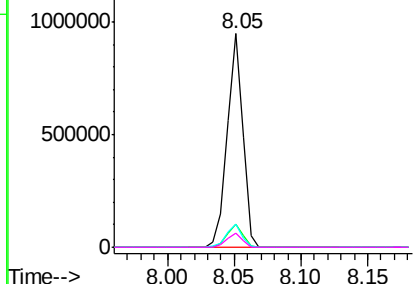
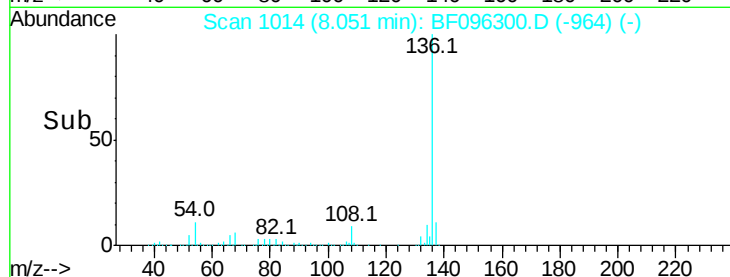
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF096300.D
Acq: 29 Jun 2017 19:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	787400
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.5	12.7
54 10.9	4.9	7.3#
68 6.5	4.1	6.1#

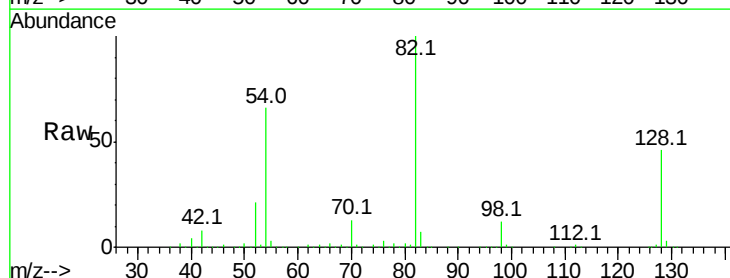


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

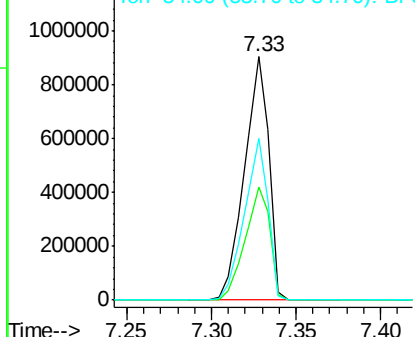
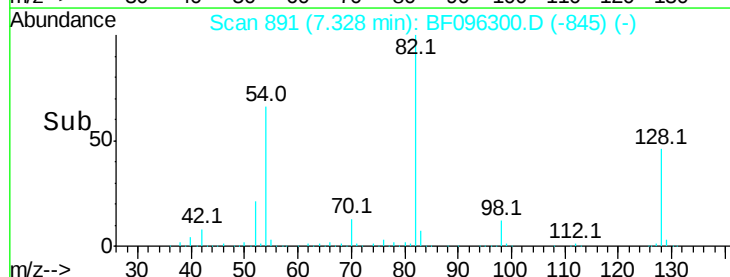


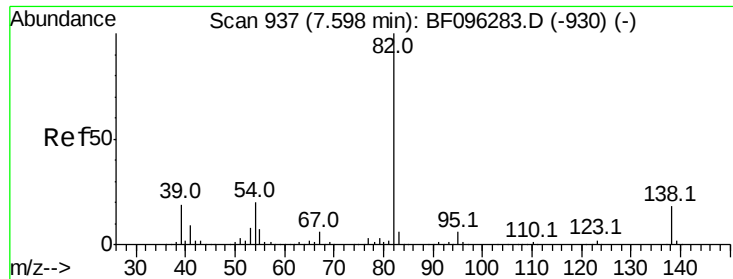
#23
Nitrobenzene-d5
Concen: 80.34 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.03 min
Lab File: BF096300.D
Acq: 29 Jun 2017 19:13

Tgt Ion: 82	Resp:	913770
Ion Ratio	Lower	Upper
82 100		
128 46.2	34.0	51.0
54 66.2	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: 35.37 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF096300.D

Acq: 29 Jun 2017 19:13

Instrument :

BNA_F

ClientSampleId :

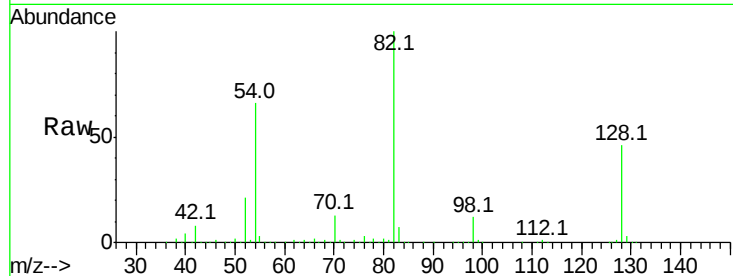
Tot Ion: 82 Resp: 913546

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

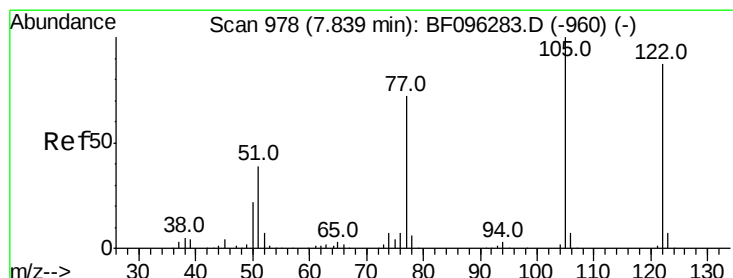
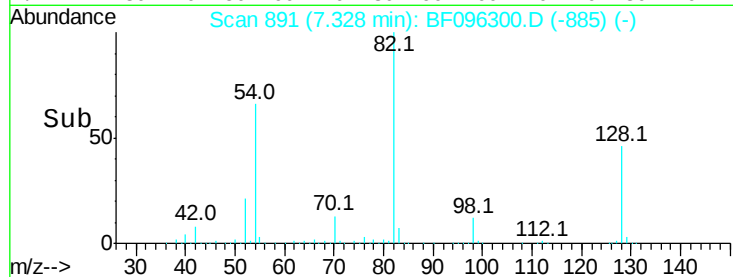
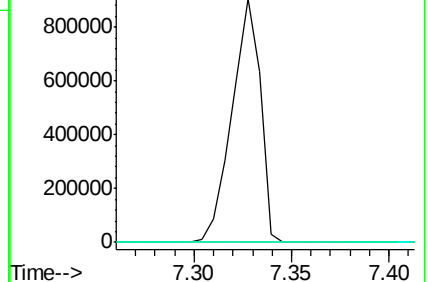
138 0.0 13.1 19.7#



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: 8.83 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.15 min

Lab File: BF096300.D

Acq: 29 Jun 2017 19:13

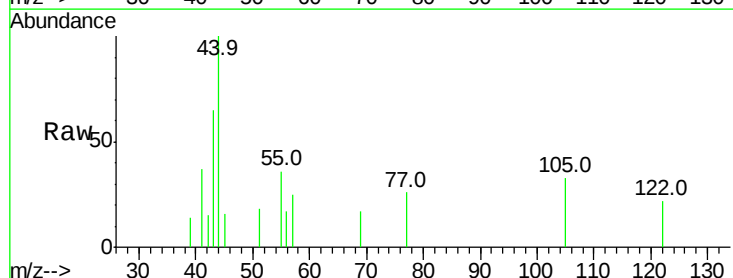
Tgt Ion:122 Resp: 429

Ion Ratio Lower Upper

122 100

105 151.9 103.3 143.3#

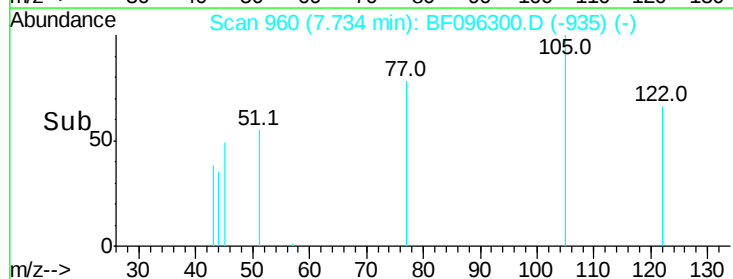
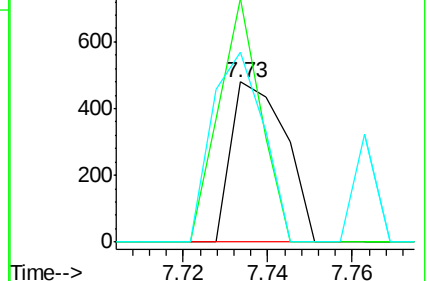
77 118.8 73.7 113.7#

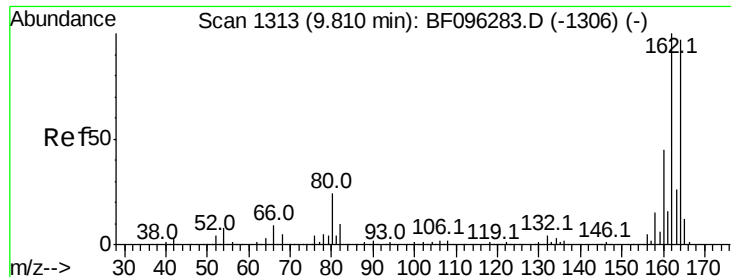


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

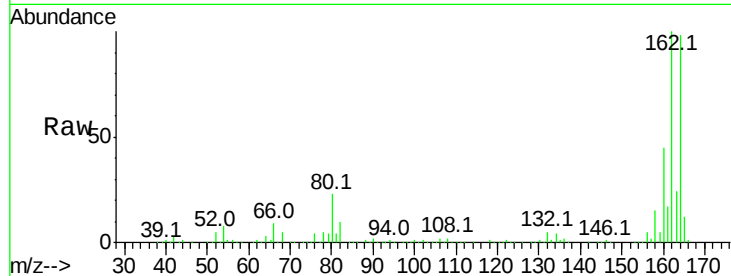




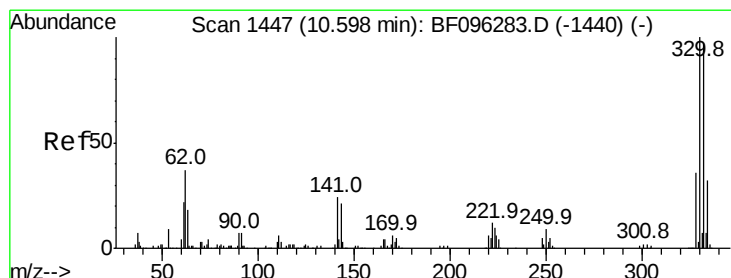
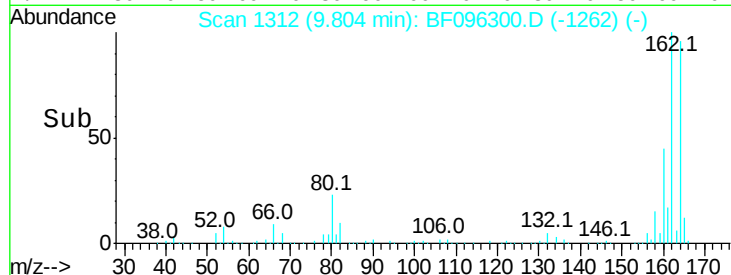
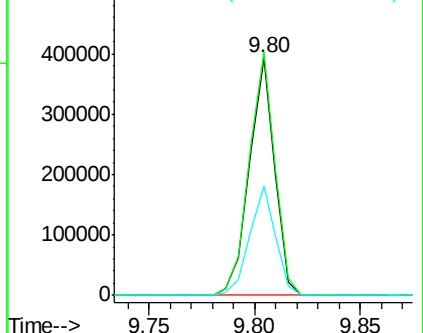
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF096300.D
Acq: 29 Jun 2017 19:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 327711
Ion Ratio Lower Upper
164 100
162 102.4 82.6 123.8
160 45.9 36.2 54.2

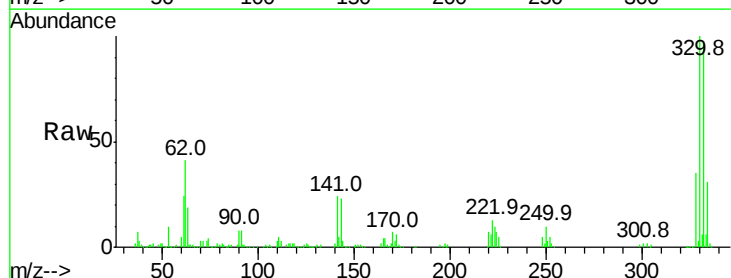


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

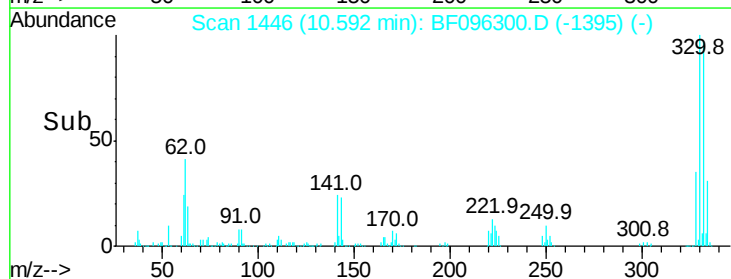
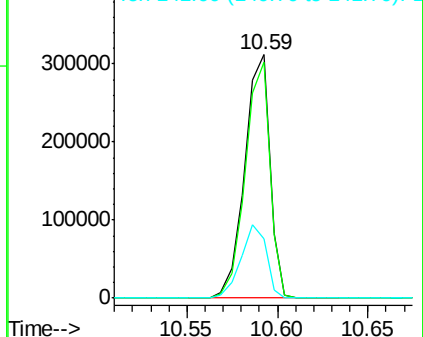


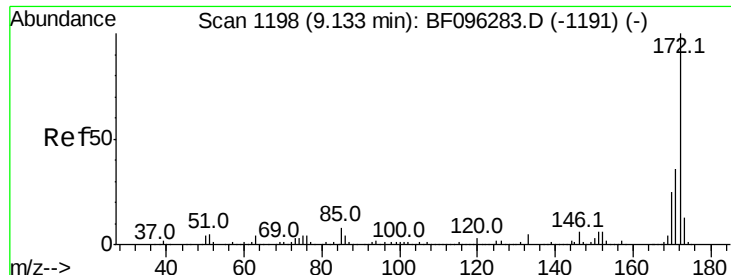
#41
2,4,6-Tribromophenol
Concen: 117.28 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BF096300.D
Acq: 29 Jun 2017 19:13

Tgt Ion:330 Resp: 302483
Ion Ratio Lower Upper
330 100
332 95.0 76.6 115.0
141 30.6 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

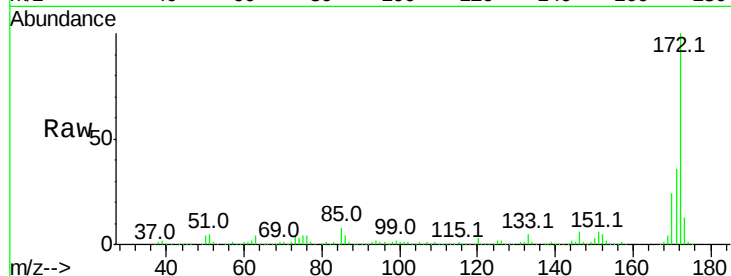




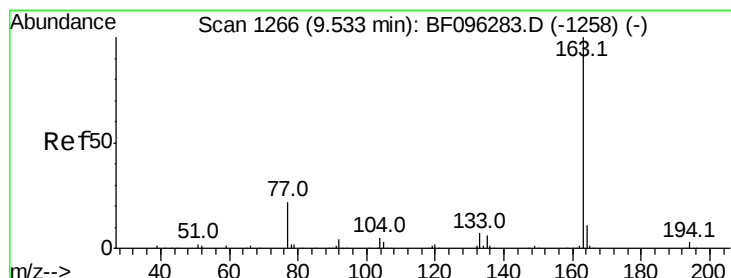
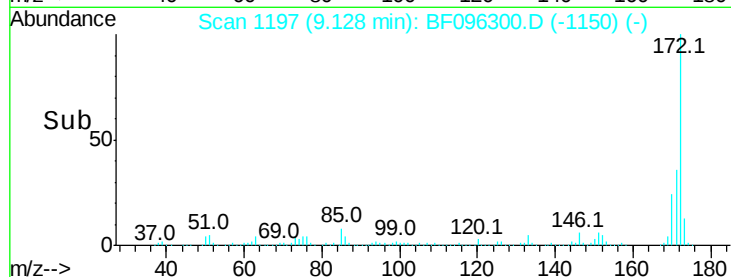
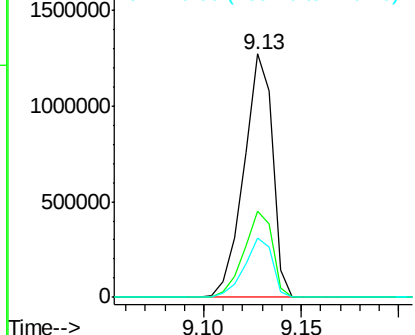
#44
2-Fluorobiphenyl
Concen: 72.33 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.02 min
Lab File: BF096300.D
Acq: 29 Jun 2017 19:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1294256
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 24.4 19.8 29.8

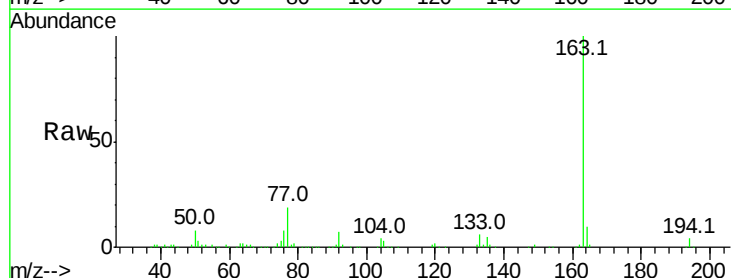


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

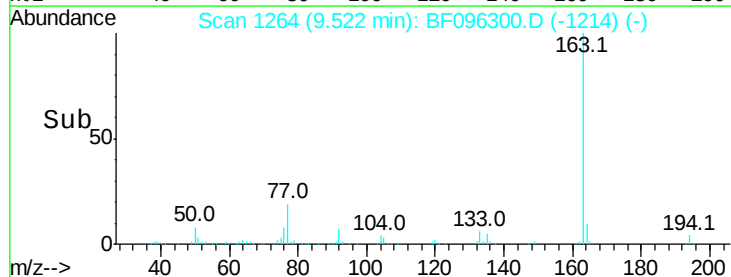
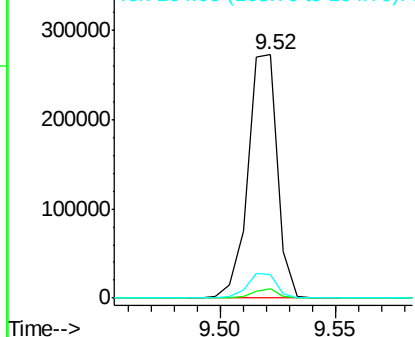


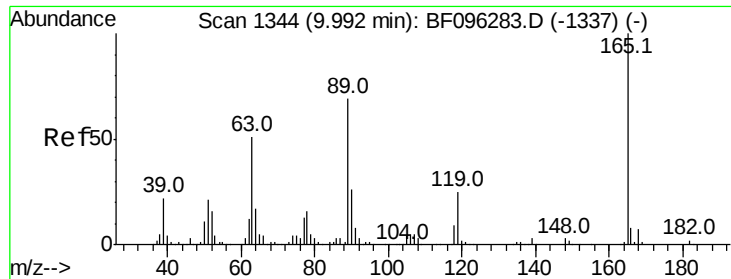
#49
Dimethylphthalate
Concen: 10.39 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF096300.D
Acq: 29 Jun 2017 19:13

Tgt Ion:163 Resp: 243712
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 9.9 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

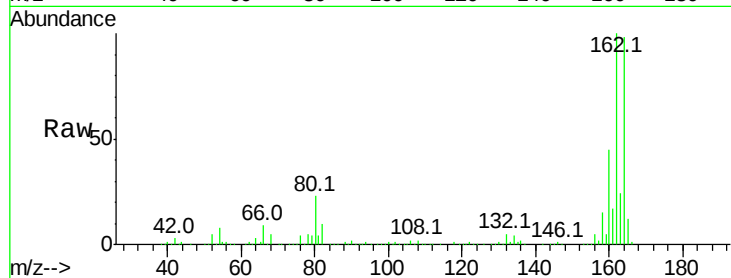




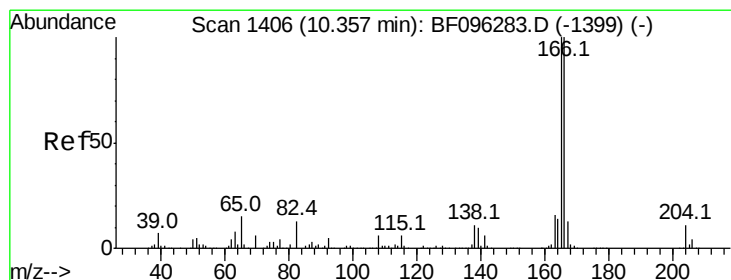
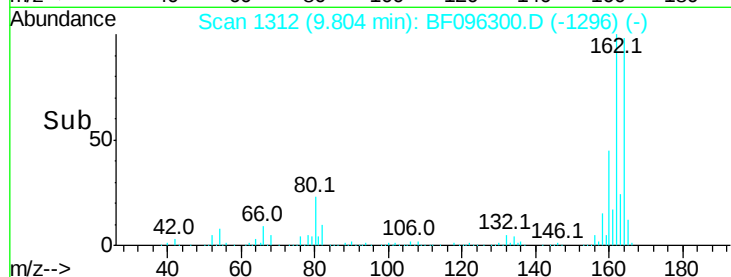
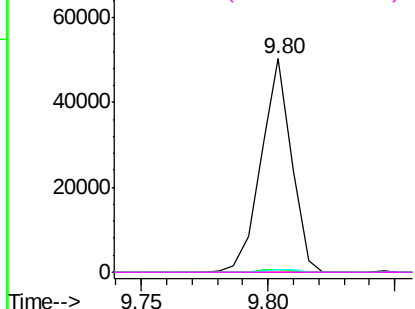
#56
2,4-Dinitrotoluene
Concen: 6.80 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.21 min
Lab File: BF096300.D
Acq: 29 Jun 2017 19:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 41808
Ion Ratio Lower Upper
165 100
63 1.2 25.4 38.0#
89 1.1 46.4 69.6#
182 0.0 1.8 2.6#

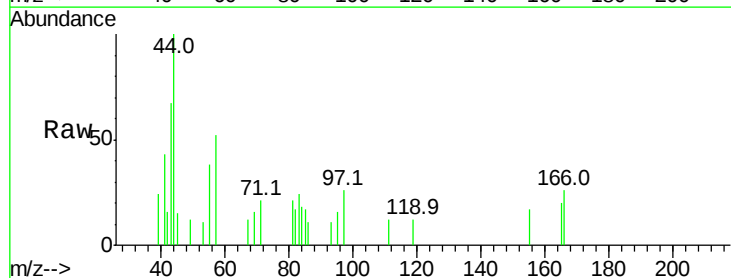


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

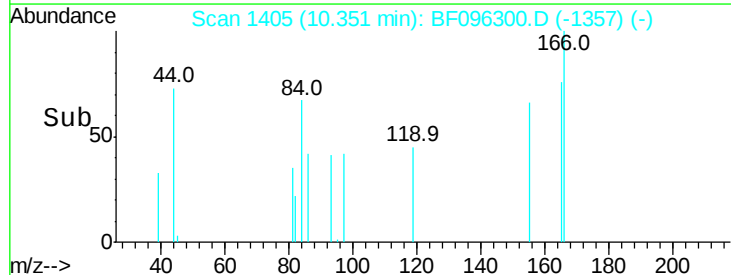
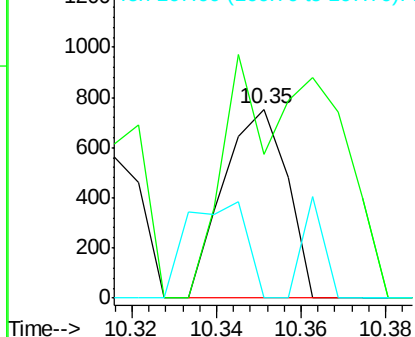


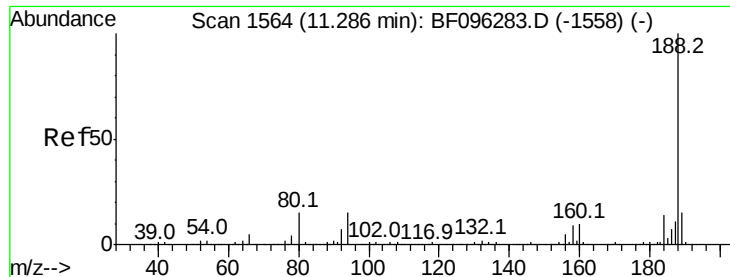
#57
Fluorene
Concen: Below Cal
RT: 10.35 min Scan# 1405
Delta R.T. -0.02 min
Lab File: BF096300.D
Acq: 29 Jun 2017 19:13

Tgt Ion:166 Resp: 787
Ion Ratio Lower Upper
166 100
165 76.1 78.8 118.2#
167 0.0 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

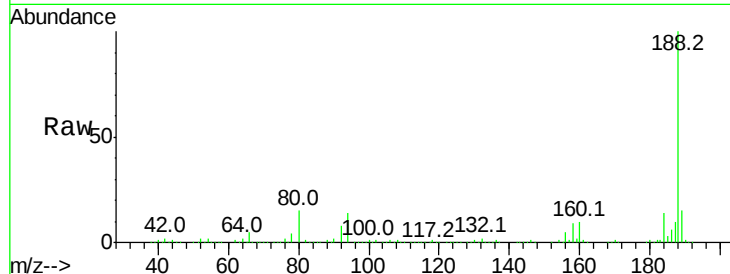




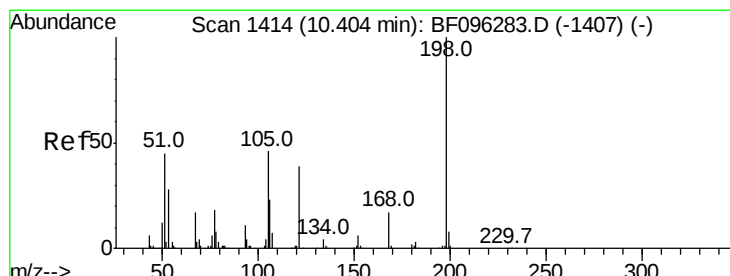
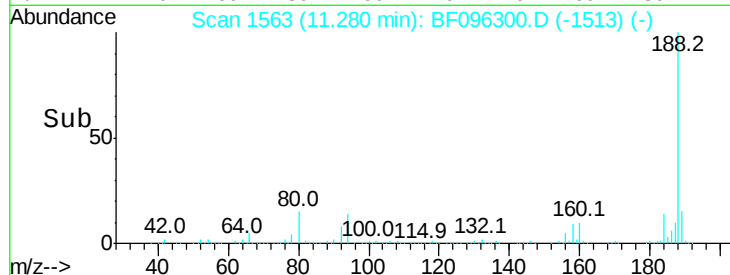
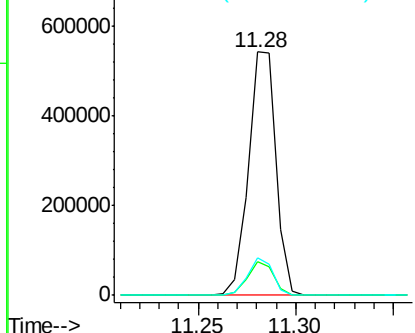
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF096300.D
Acq: 29 Jun 2017 19:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 526138
Ion Ratio Lower Upper
188 100
94 13.9 9.4 14.2
80 15.4 10.2 15.2#

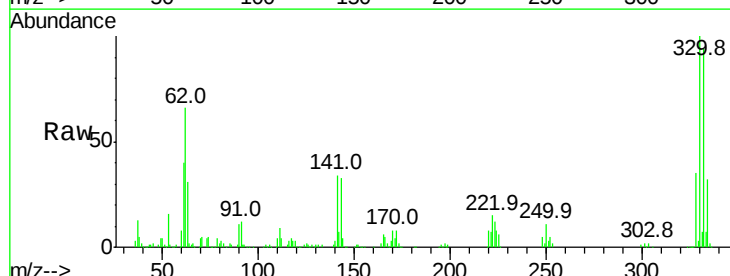


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

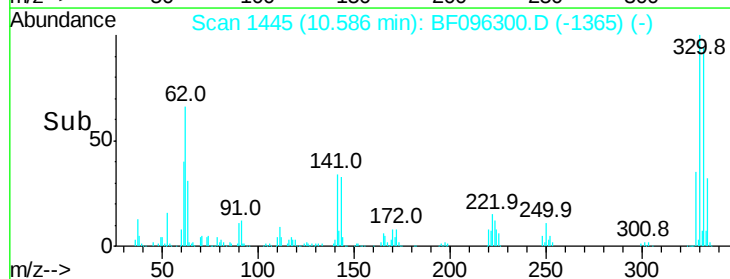
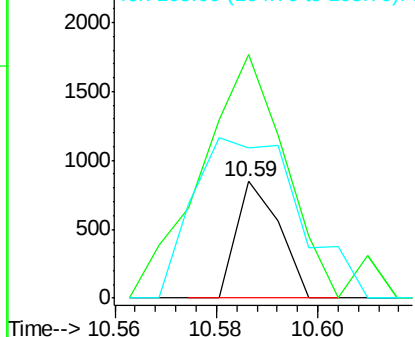


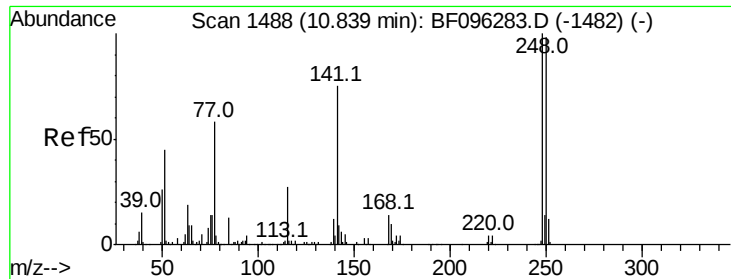
#64
4,6-Dinitro-2-methylphenol
Concen: 8.90 ng
RT: 10.59 min Scan# 1445
Delta R.T. 0.17 min
Lab File: BF096300.D
Acq: 29 Jun 2017 19:13

Tgt Ion:198 Resp: 496
Ion Ratio Lower Upper
198 100
51 208.9 53.2 93.2#
105 129.3 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

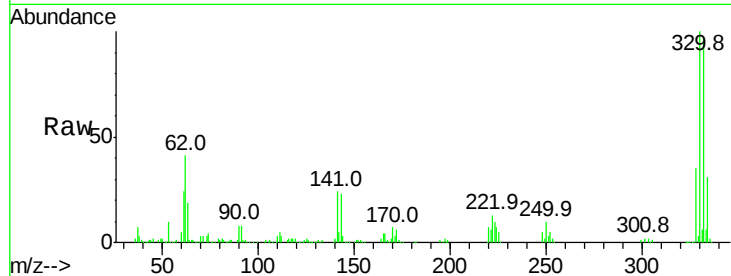




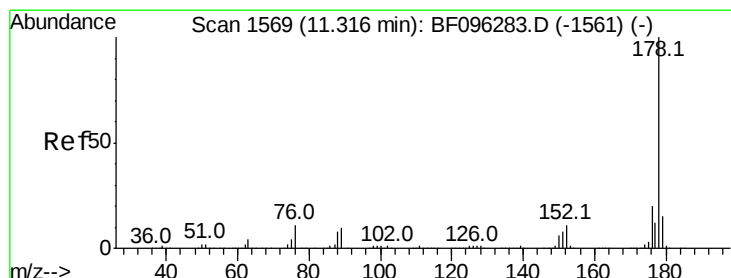
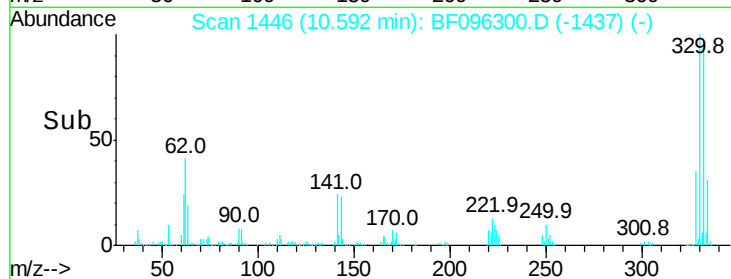
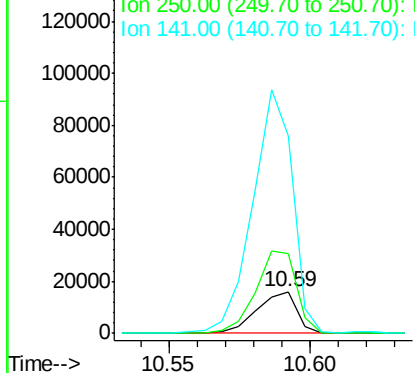
#66
 4-Bromophenyl-phenylether
 Concen: 2.90 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.25 min
 Lab File: BF096300.D
 Acq: 29 Jun 2017 19:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 15714
 Ion Ratio Lower Upper
 248 100
 250 189.0 76.8 115.2#
 141 469.8 68.6 103.0#

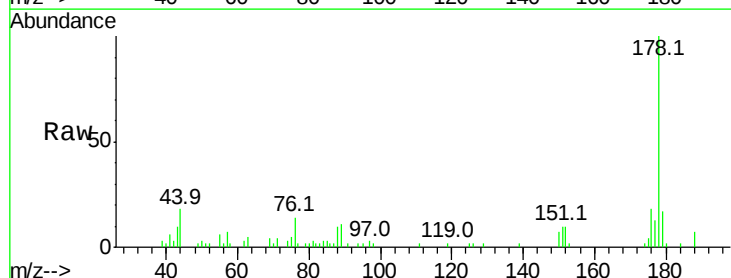


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

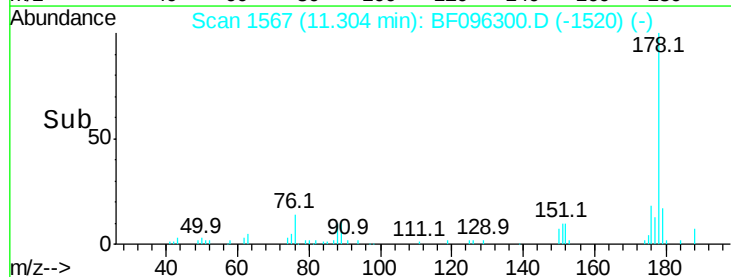
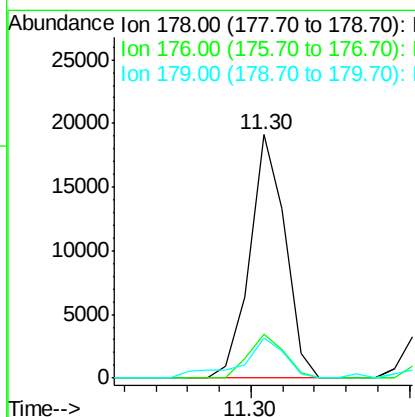


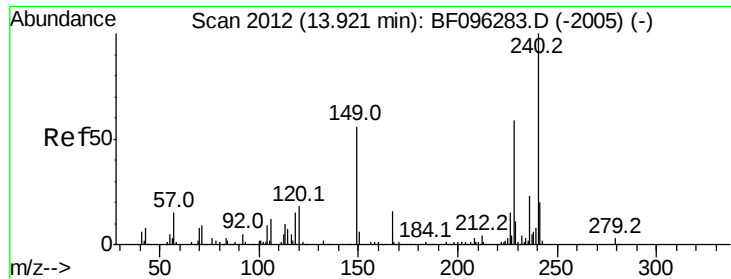
#70
 Phenanthrene
 Concen: Below Cal
 RT: 11.30 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: BF096300.D
 Acq: 29 Jun 2017 19:13

Tgt Ion:178 Resp: 14716
 Ion Ratio Lower Upper
 178 100
 176 18.3 16.2 24.4
 179 16.6 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF096300.D

Acq: 29 Jun 2017 19:13

Instrument :

BNA_F

ClientSampleId :

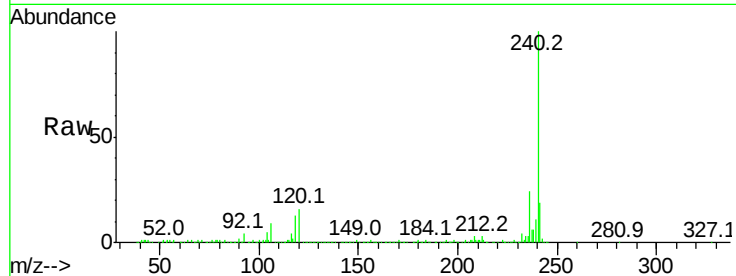
Tot Ion:240 Resp: 330516

Ion Ratio Lower Upper

240 100

120 15.6 5.8 8.8#

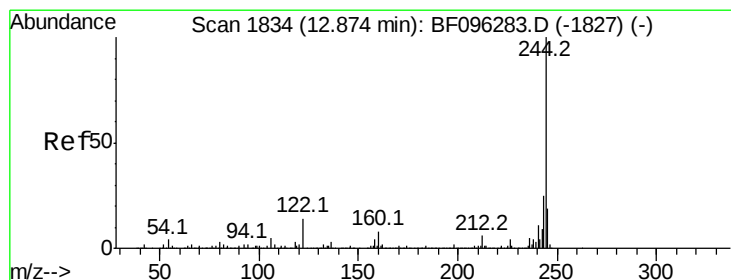
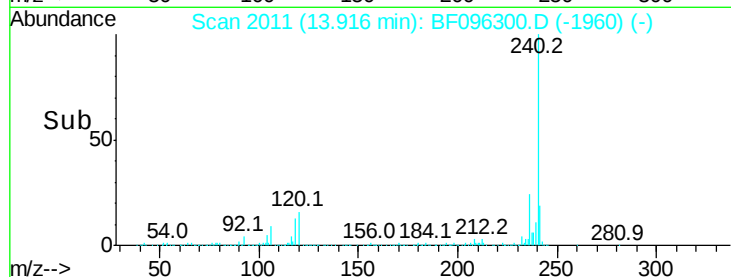
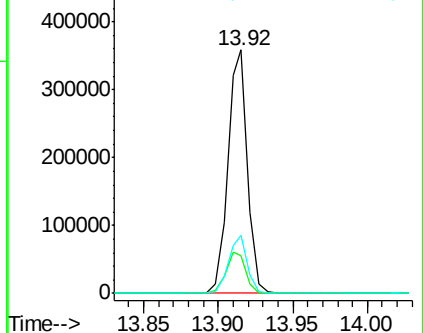
236 24.0 20.5 30.7



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



#78

Terphenyl-d14

Concen: 62.36 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF096300.D

Acq: 29 Jun 2017 19:13

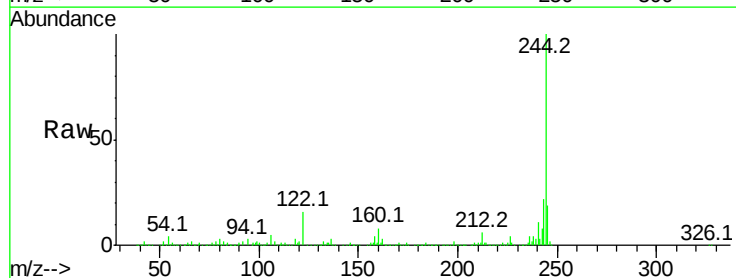
Tgt Ion:244 Resp: 825960

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

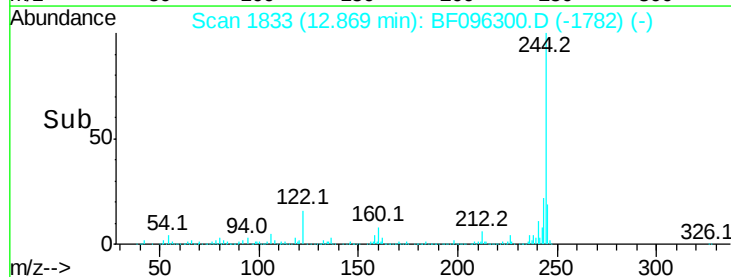
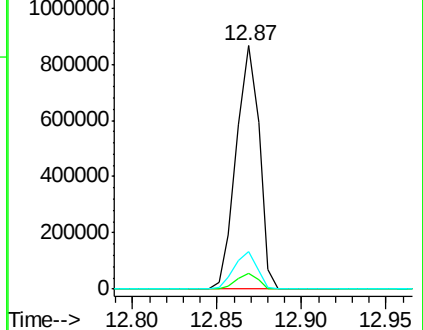
122 15.6 10.3 15.5#

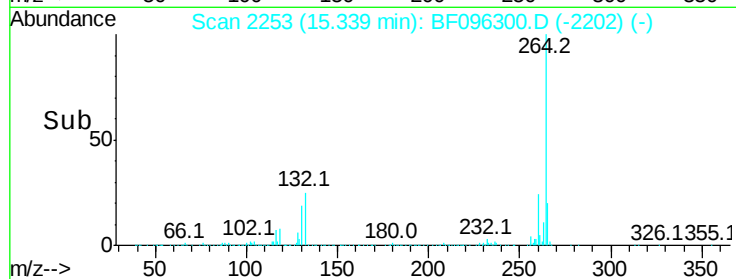
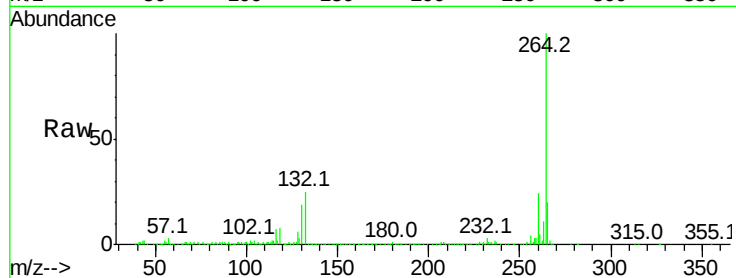
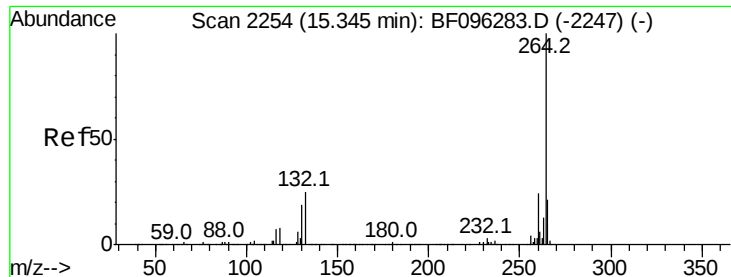


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.34 min Scan# 2253

Delta R.T. -0.00 min

Lab File: BF096300.D

Acq: 29 Jun 2017 19:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 347357

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

265 20.5 17.2 25.8

