

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050218\
 Data File : BF105034.D
 Acq On : 2 May 2018 16:42
 Operator : JU/SJ
 Sample : J2616-36
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 17:29:47 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 02 17:25:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	84807	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	347201	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	159583	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	267143	20.00	ng	0.00
75) Chrysene-d12	14.02	240	190159	20.00	ng	-0.02
86) Perylene-d12	15.58	264	176175	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	659117	118.84	ng	0.01
7) Phenol-d6	6.43	99	708775	104.01	ng	0.00
23) Nitrobenzene-d5	7.36	82	532678	100.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	227202	137.25	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	986915	97.70	ng	0.00
78) Terphenyl-d14	12.92	244	873421	104.72	ng	0.00

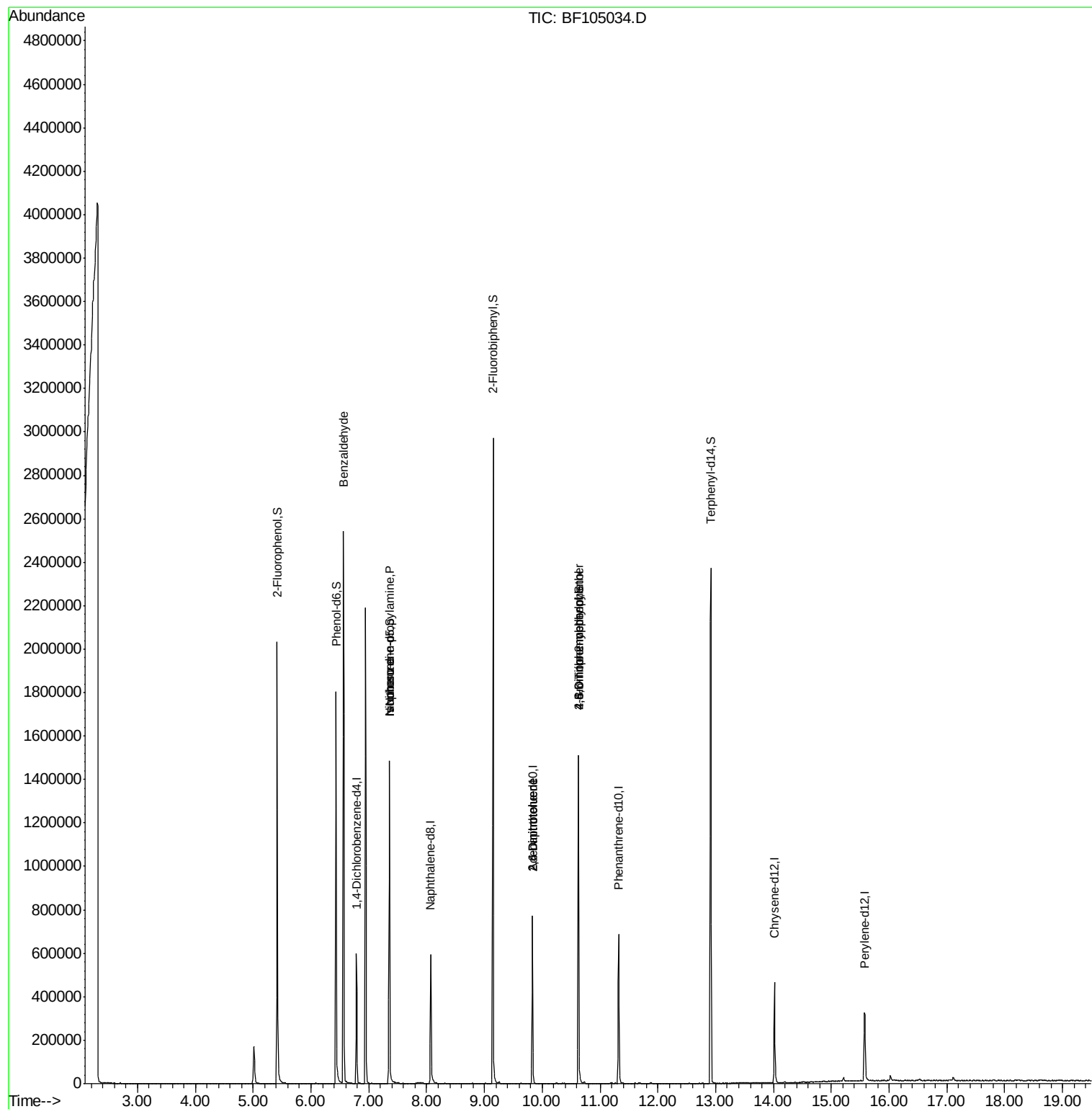
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.56	77	15138	2.107	ng	88
19) n-Nitroso-di-n-propylamine	7.36	70	69111	15.520	ng	# 72
25) Isophorone	7.36	82	526729	46.846	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	19155	8.226	ng	# 25
56) 2,4-Dinitrotoluene	9.83	165	19155	6.271	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.62	198	295	7.539	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	13790	4.853	ng	# 1
76) Benzidine	12.92	184	10782	Below Cal		98

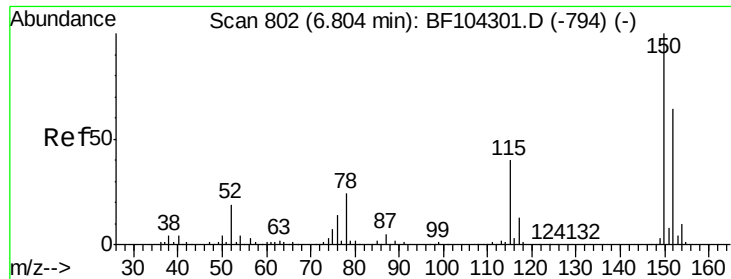
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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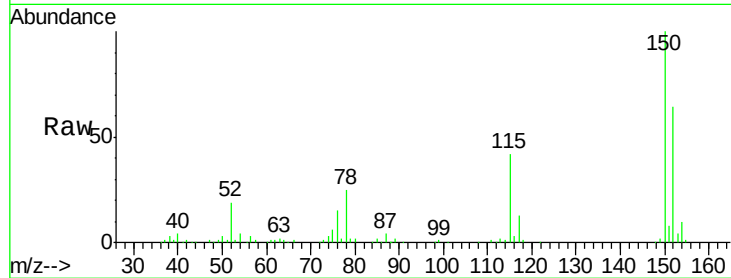


#1

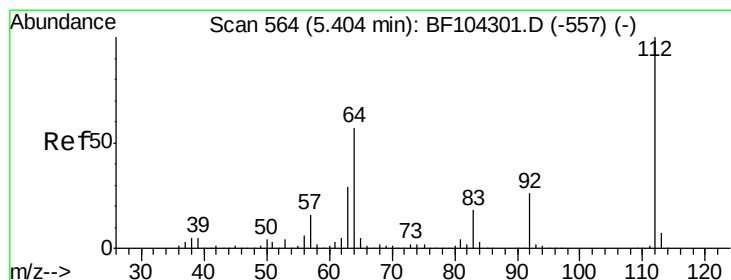
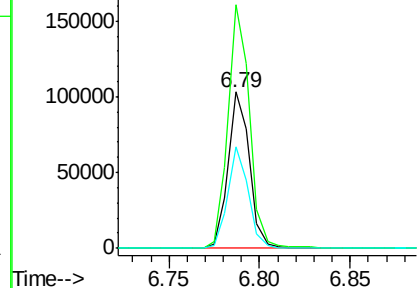
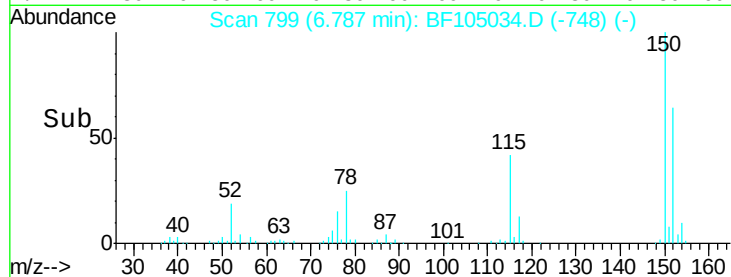
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF105034.D
Acq: 2 May 2018 16:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 84807
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 65.3 50.1 75.1



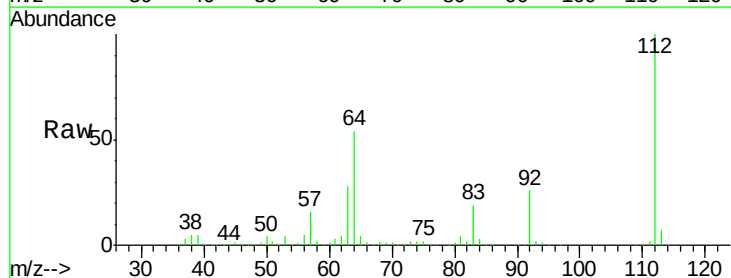
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



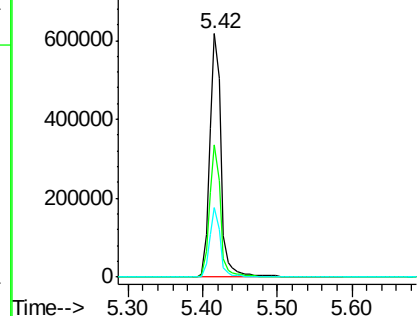
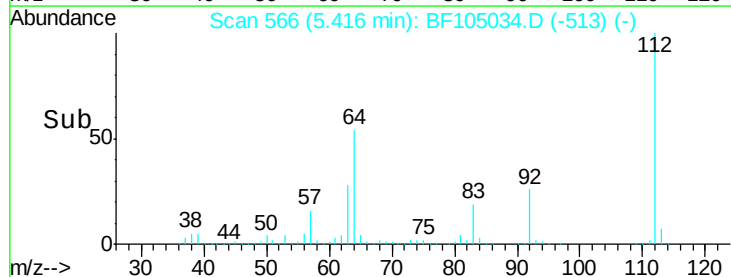
#5

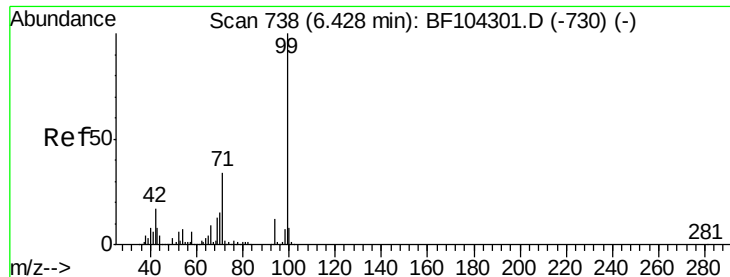
2-Fluorophenol
Concen: 118.838 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF105034.D
Acq: 2 May 2018 16:42

Tgt Ion:112 Resp: 659117
Ion Ratio Lower Upper
112 100
64 54.2 47.9 71.9
63 28.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 104.007 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF105034.D

Acq: 2 May 2018 16:42

Instrument :

BNA_F

ClientSampleId :

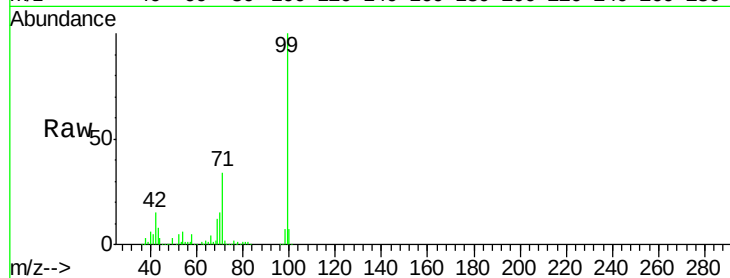
Tot Ion: 99 Resp: 708775

Ion Ratio Lower Upper

99 100

42 15.0 14.5 21.7

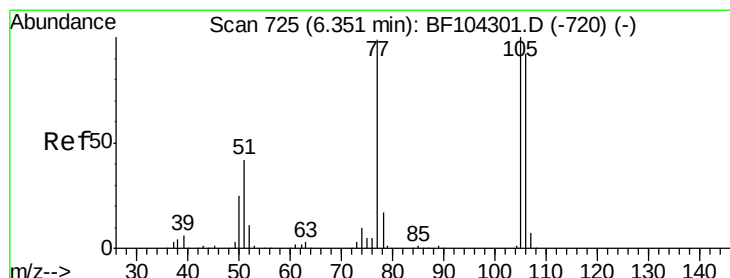
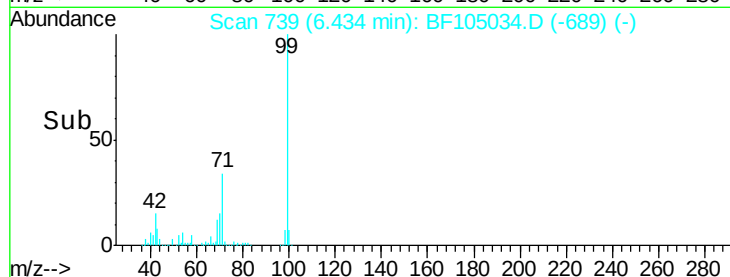
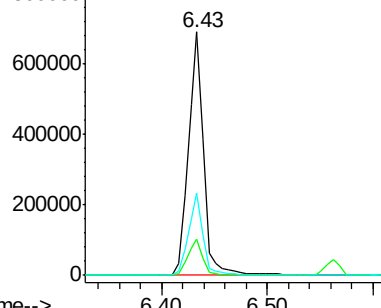
71 33.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.107 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.22 min

Lab File: BF105034.D

Acq: 2 May 2018 16:42

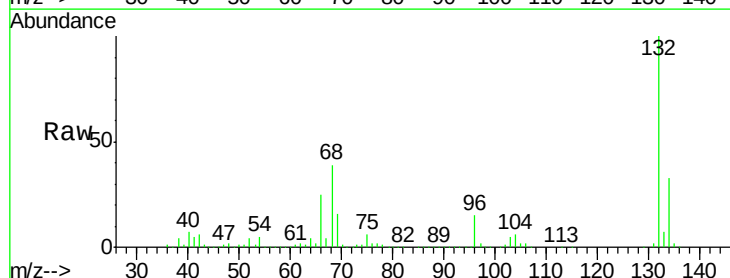
Tgt Ion: 77 Resp: 15138

Ion Ratio Lower Upper

77 100

105 85.4 81.1 121.1

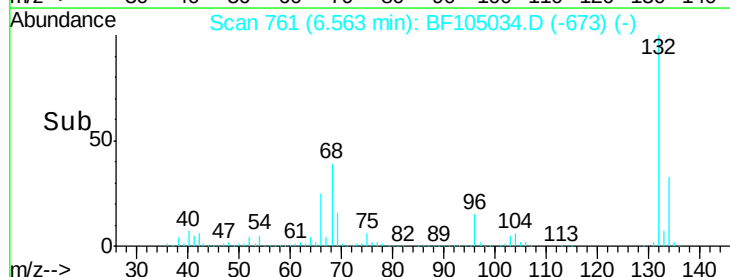
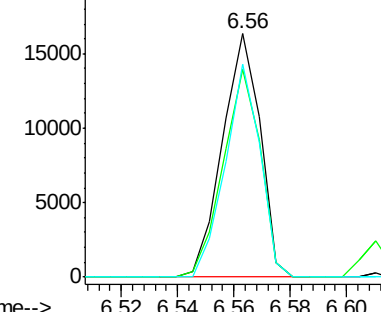
106 87.4 74.5 114.5

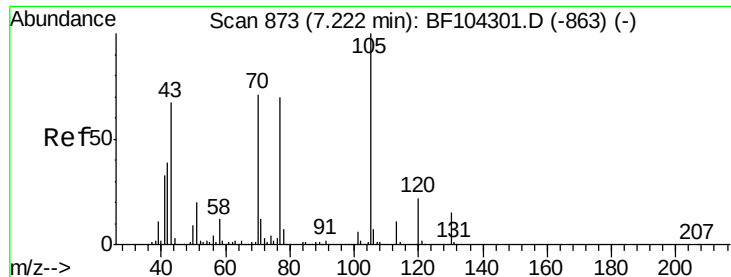


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

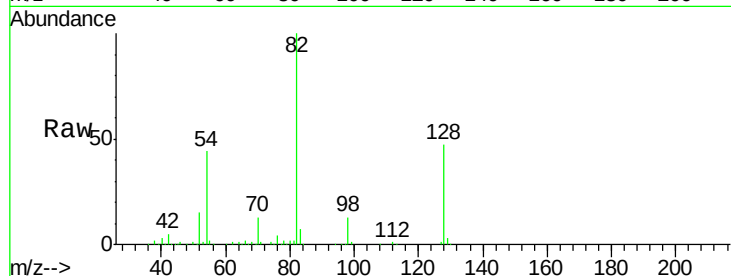




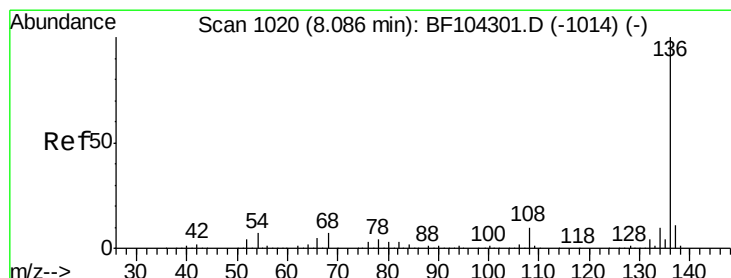
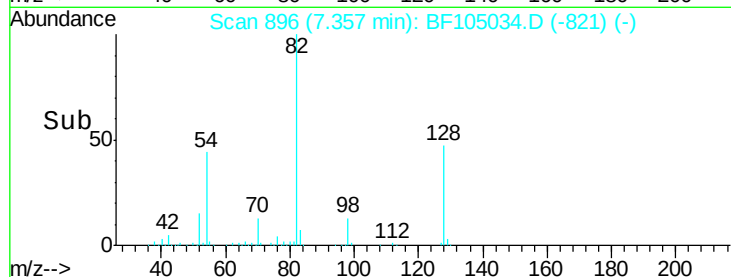
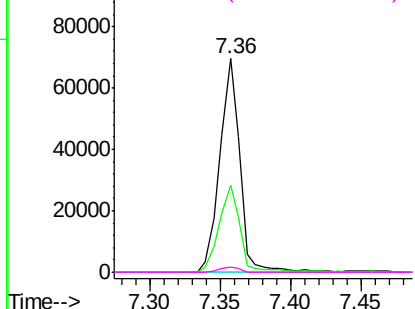
#19
n-Nitroso-di-n-propylamine
Concen: 15.520 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF105034.D
Acq: 2 May 2018 16:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 69111
Ion Ratio Lower Upper
70 100
42 40.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#

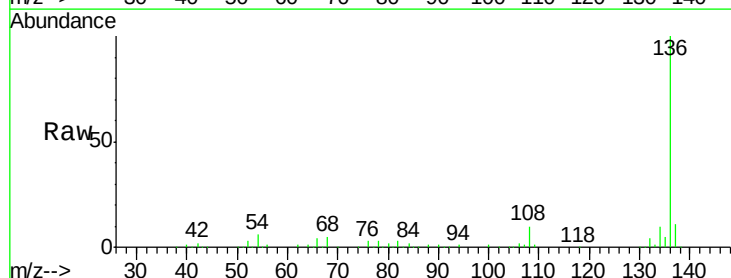


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

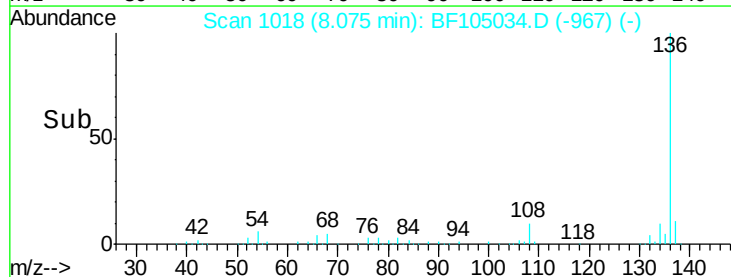
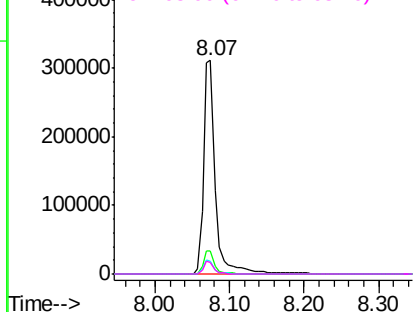


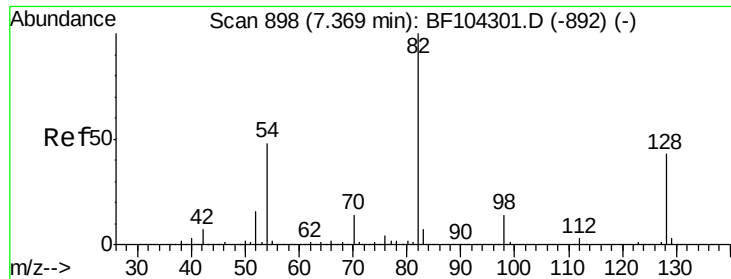
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF105034.D
Acq: 2 May 2018 16:42

Tgt Ion:136 Resp: 347201
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 5.9 6.6 9.8#
68 5.3 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): BF1
Ion 137.00 (136.70 to 137.70): BF1
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

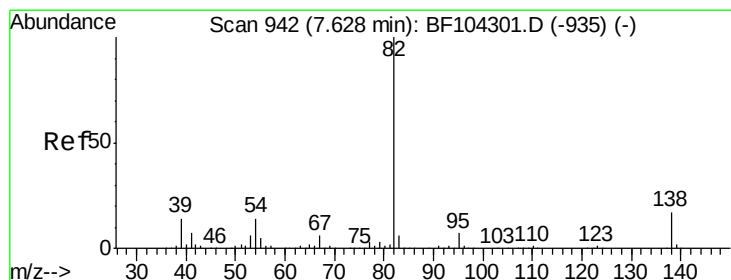
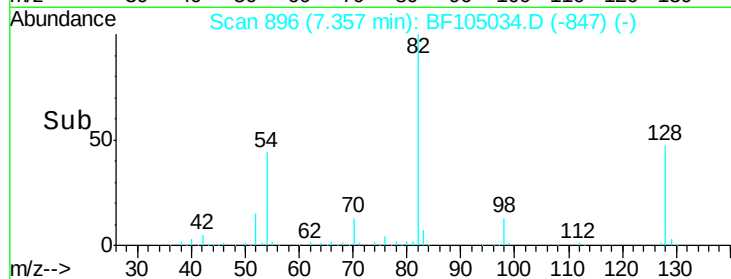
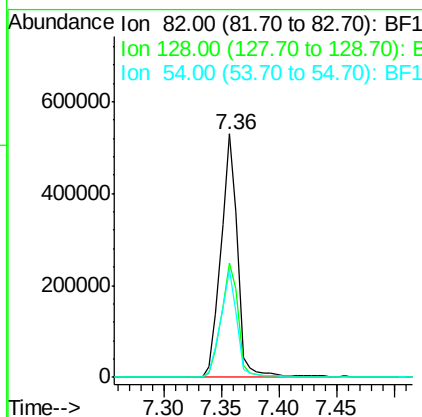
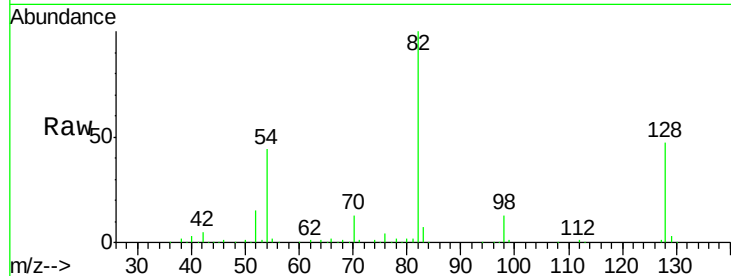




#23
 Nitrobenzene-d5
 Concen: 100.181 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF105034.D
 Acq: 2 May 2018 16:42

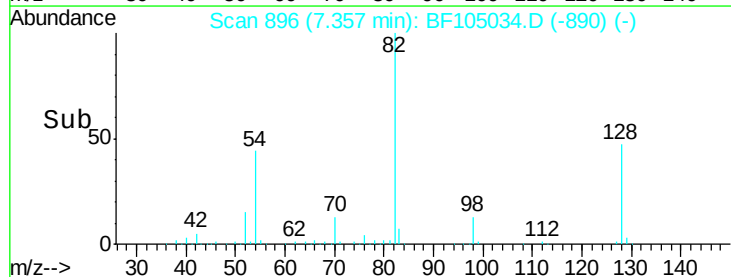
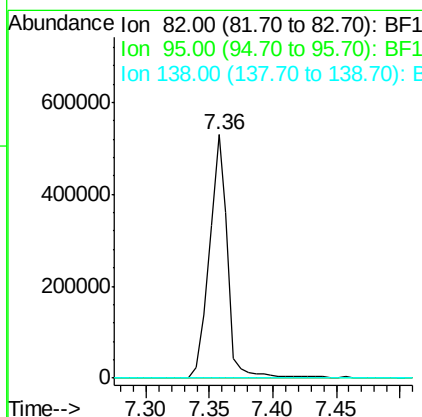
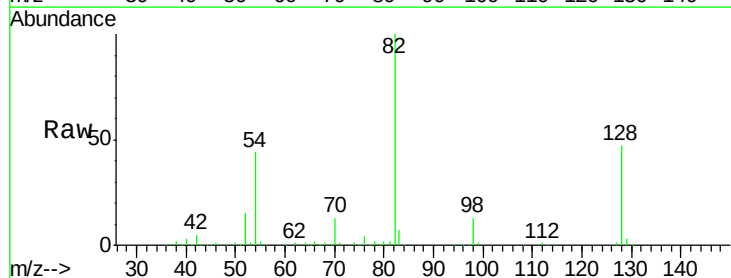
Instrument :
 BNA_F
 ClientSampleId :

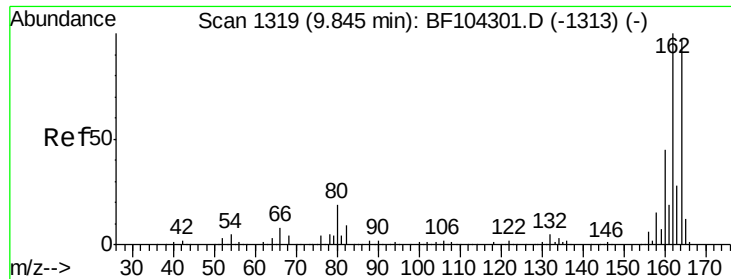
Tot Ion: 82 Resp: 532678
 Ion Ratio Lower Upper
 82 100
 128 47.1 36.1 54.1
 54 44.3 41.4 62.2



#25
 Isophorone
 Concen: 46.846 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF105034.D
 Acq: 2 May 2018 16:42

Tgt Ion: 82 Resp: 526729
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

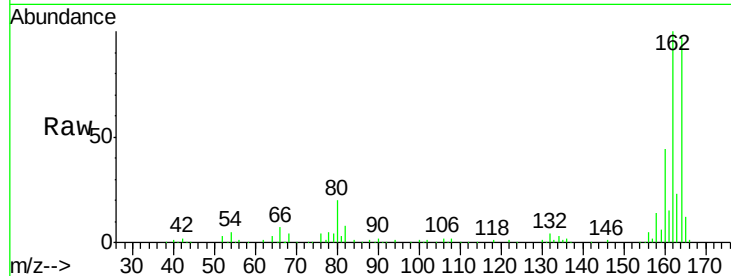




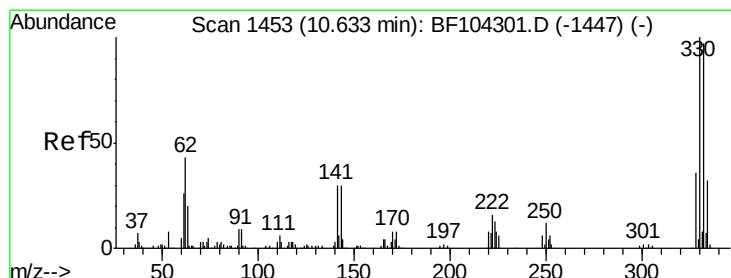
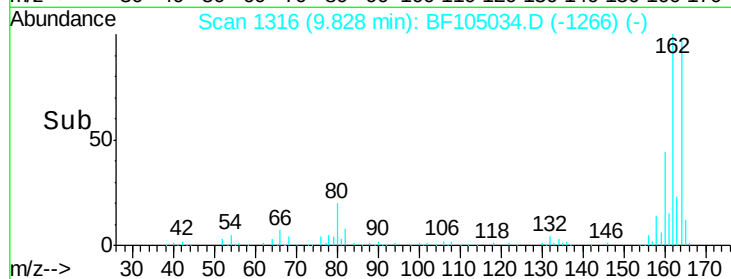
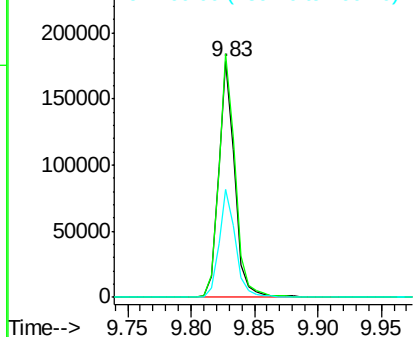
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF105034.D
 Acq: 2 May 2018 16:42

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:164 Resp: 159583
 Ion Ratio Lower Upper
 164 100
 162 103.2 86.1 129.1
 160 45.6 38.3 57.5

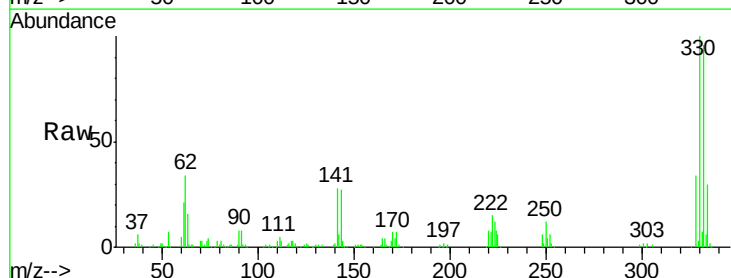


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

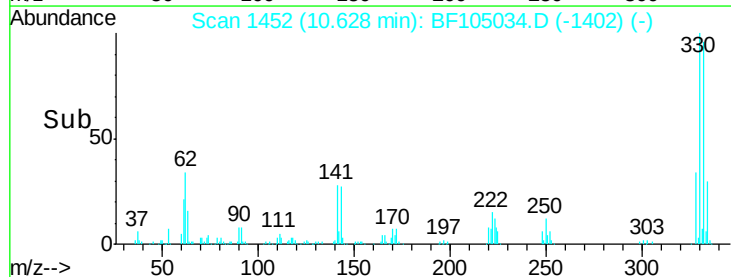
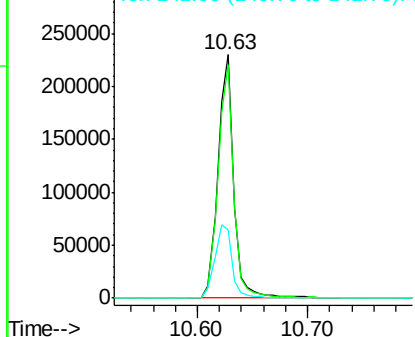


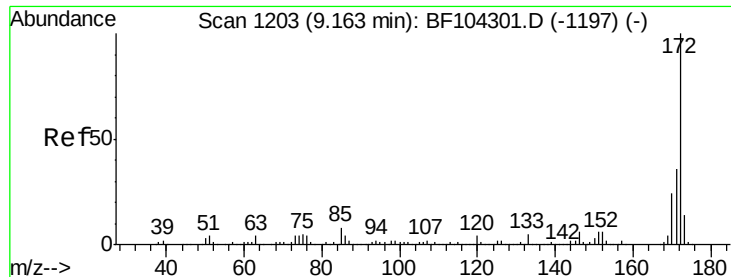
#41
 2,4,6-Tribromophenol
 Concen: 137.249 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF105034.D
 Acq: 2 May 2018 16:42

Tgt Ion:330 Resp: 227202
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 33.2 29.9 44.9



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

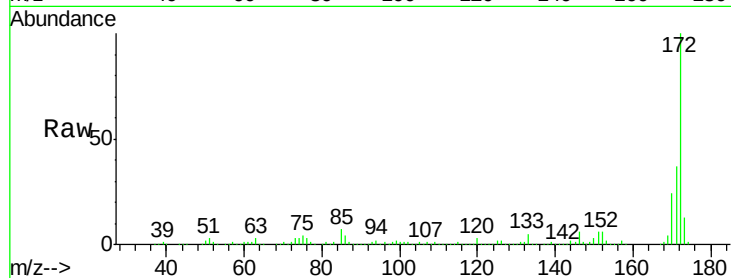




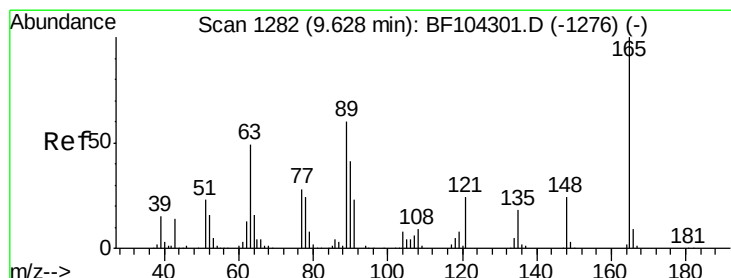
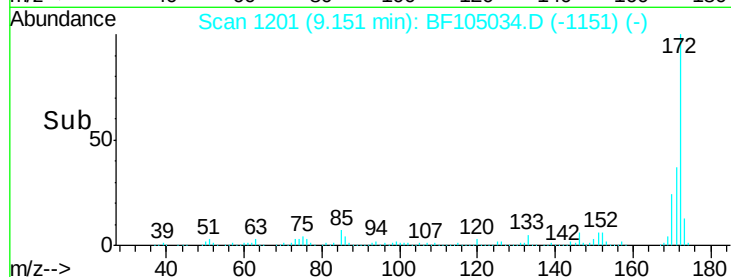
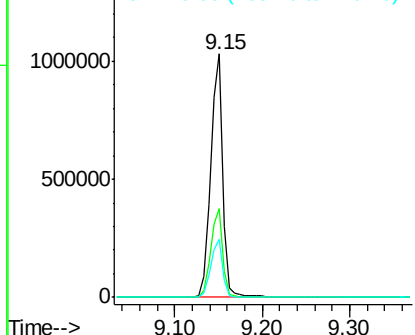
#44
2-Fluorobiphenyl
Concen: 97.697 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF105034.D
Acq: 2 May 2018 16:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 986915
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 23.6 19.6 29.4

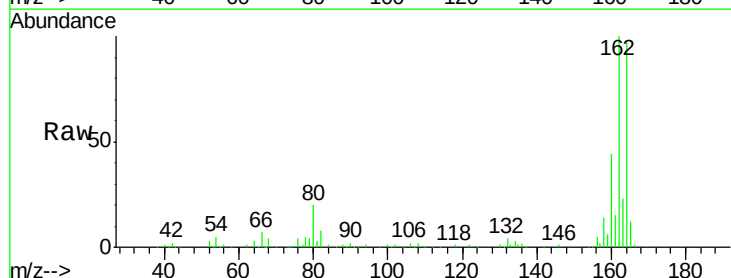


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

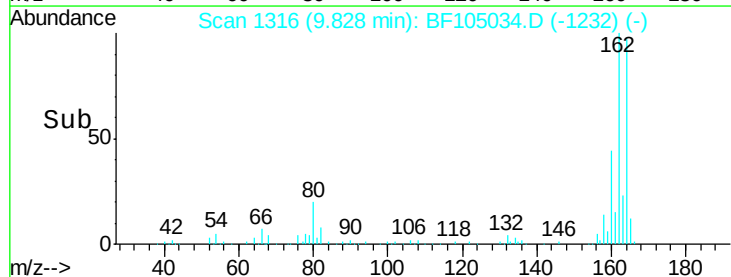
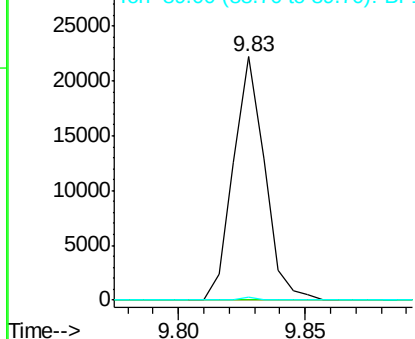


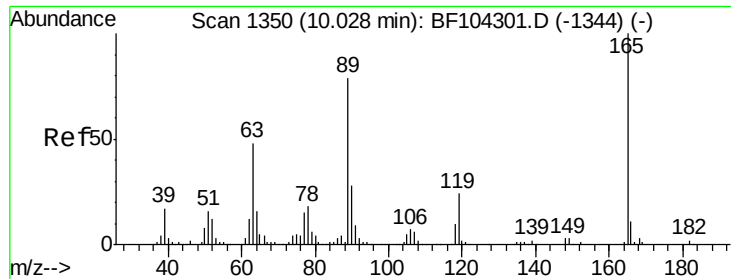
#50
2,6-Dinitrotoluene
Concen: 8.226 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.19 min
Lab File: BF105034.D
Acq: 2 May 2018 16:42

Tgt Ion:165 Resp: 19155
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.4 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

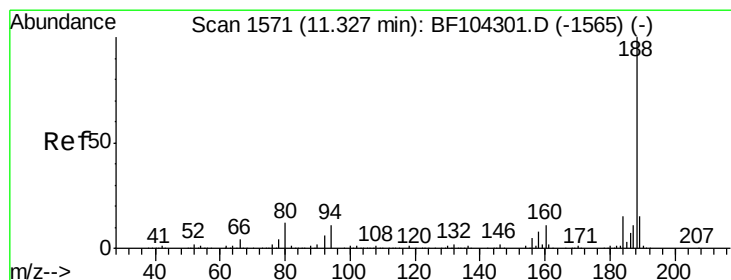
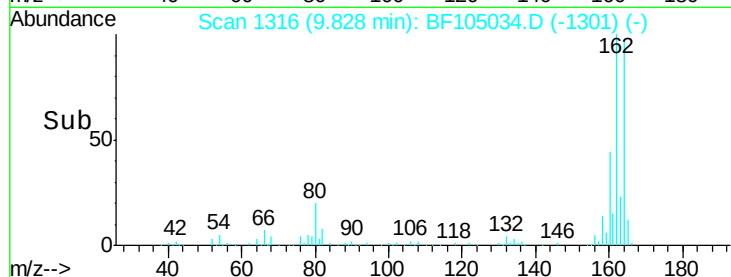
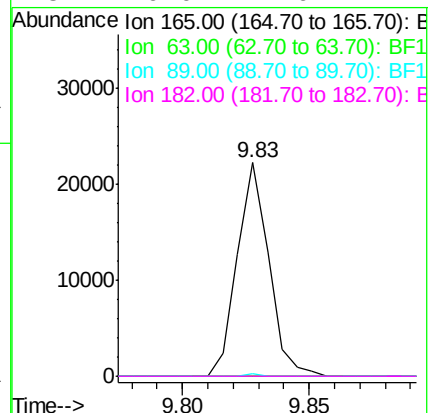
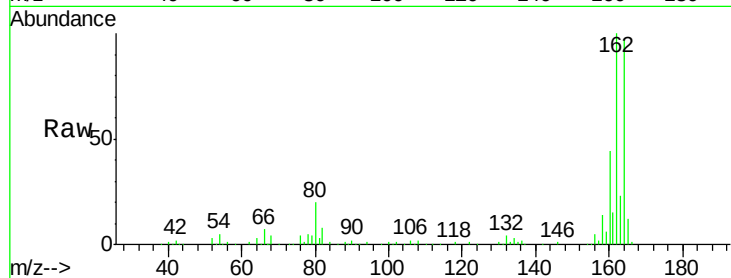




#56
 2,4-Dinitrotoluene
 Concen: 6.271 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF105034.D
 Acq: 2 May 2018 16:42

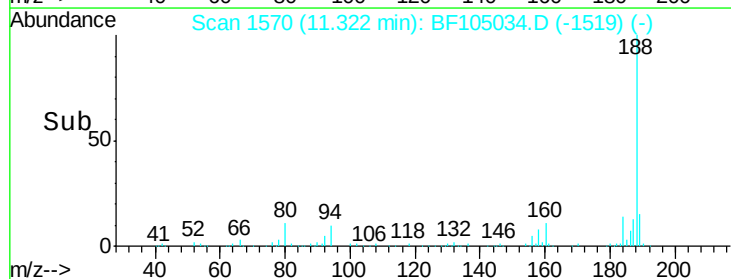
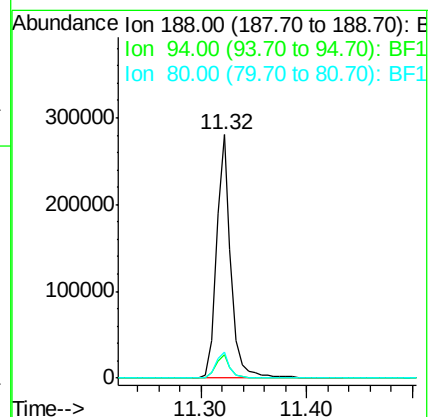
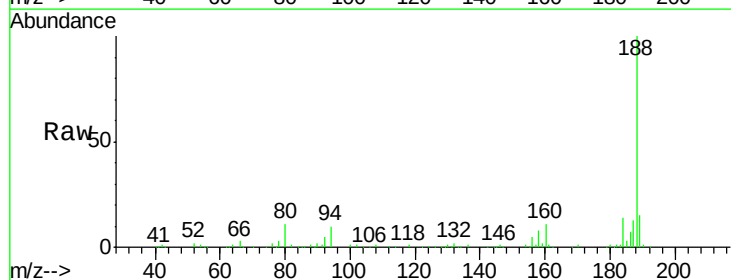
Instrument :
 BNA_F
 ClientSampleId :

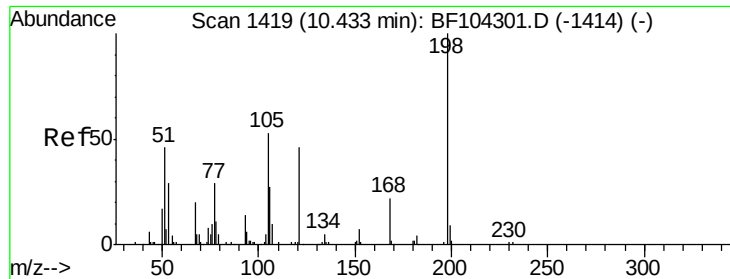
Tot Ion:	165	Resp:	19155
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF105034.D
 Acq: 2 May 2018 16:42

Tgt Ion:	188	Resp:	267143
Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.7	9.2	13.8

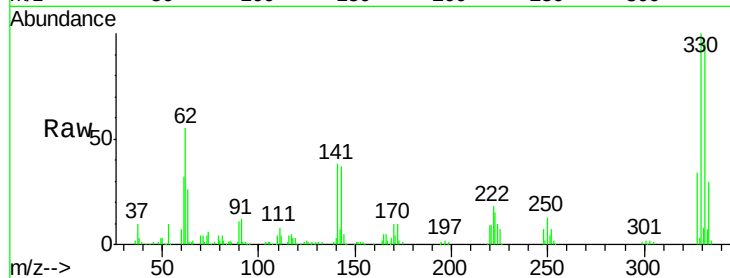




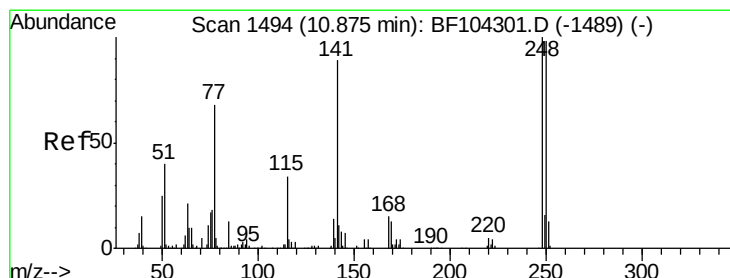
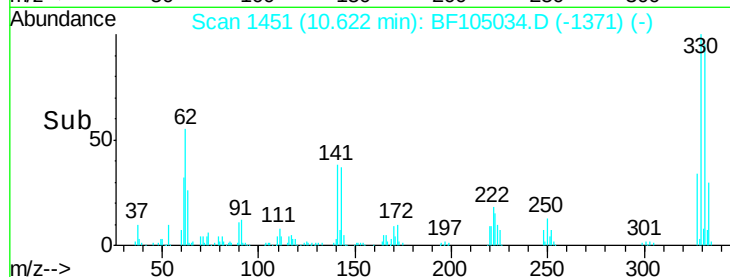
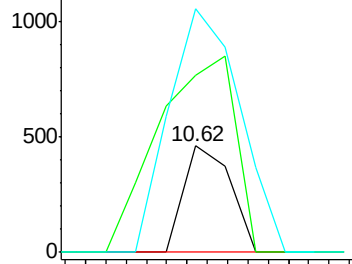
#64
4,6-Dinitro-2-methylphenol
Concen: 7.539 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.17 min
Lab File: BF105034.D
Acq: 2 May 2018 16:42

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 295
Ion Ratio Lower Upper
198 100
51 166.5 37.7 77.7#
105 228.8 36.3 76.3#

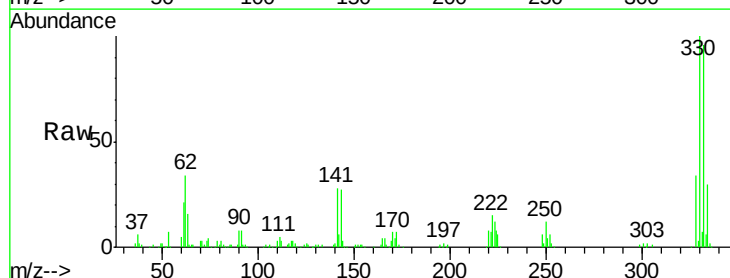


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

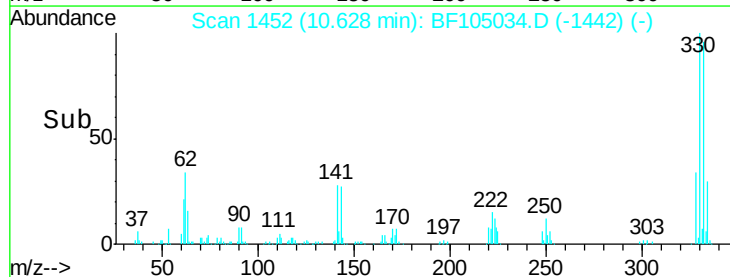
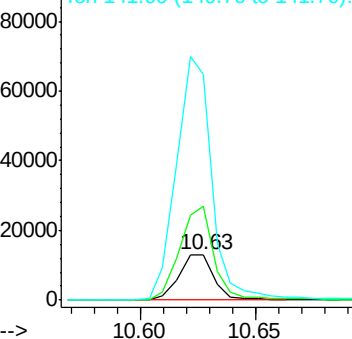


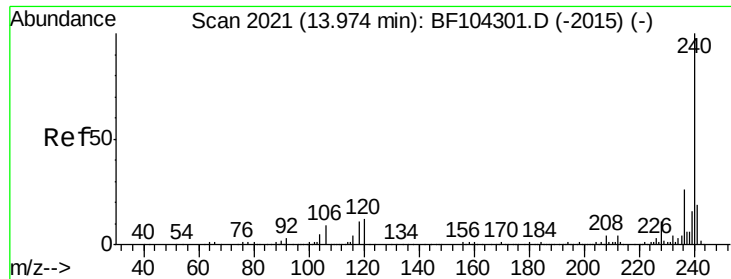
#66
4-Bromophenyl-phenylether
Concen: 4.853 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.24 min
Lab File: BF105034.D
Acq: 2 May 2018 16:42

Tgt Ion:248 Resp: 13790
Ion Ratio Lower Upper
248 100
250 205.3 76.9 115.3#
141 495.7 74.4 111.6#



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

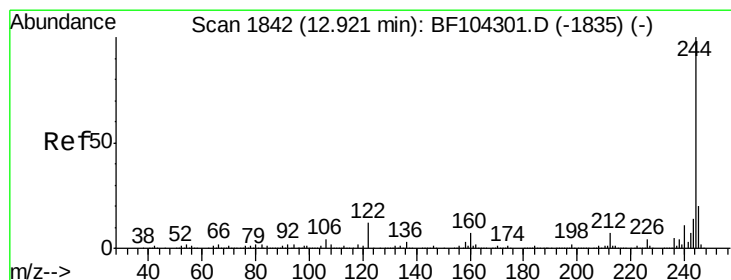
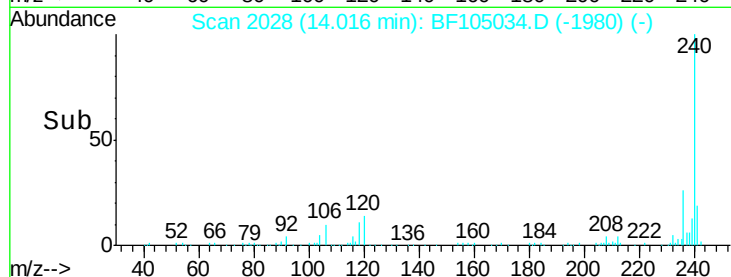
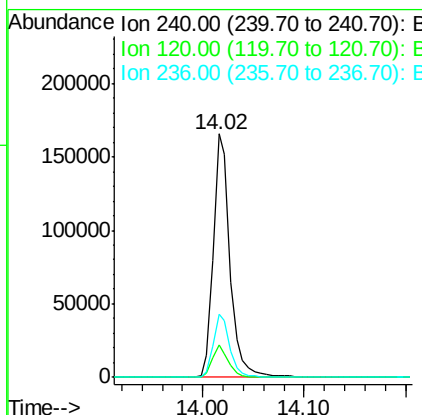
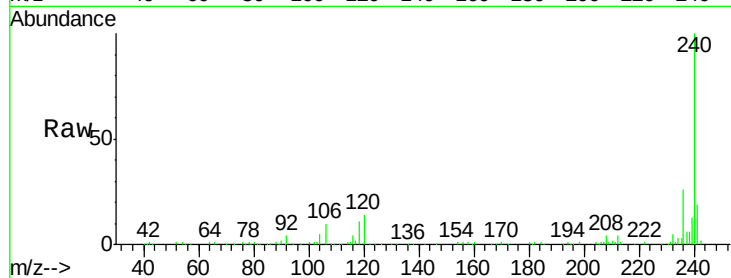




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF105034.D
 Acq: 2 May 2018 16:42

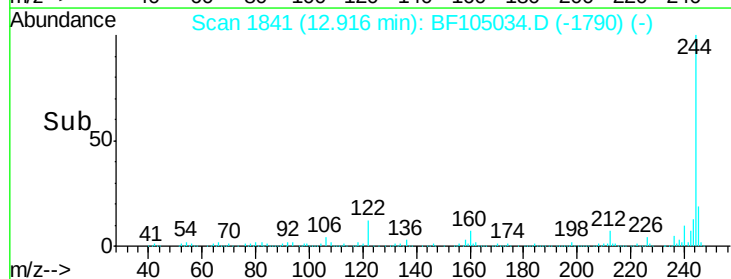
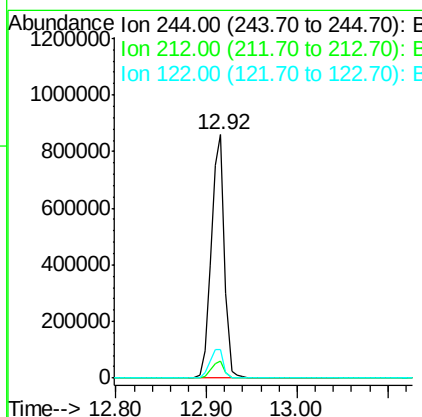
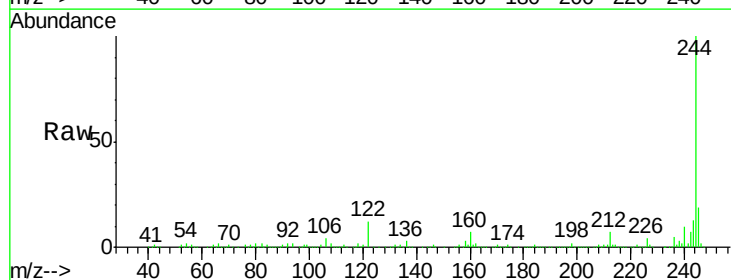
Instrument :
 BNA_F
 ClientSampleID :

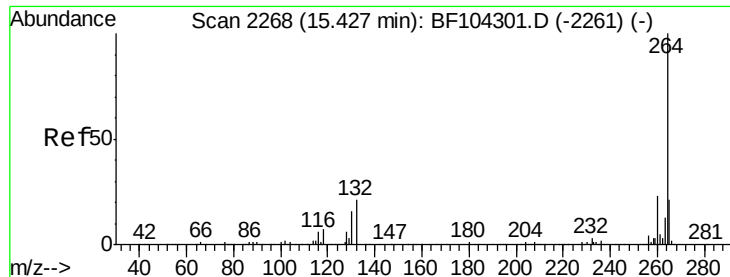
Tot Ion:240 Resp: 190159
 Ion Ratio Lower Upper
 240 100
 120 13.5 9.5 14.3
 236 26.0 20.7 31.1



#78
 Terphenyl-d14
 Concen: 104.715 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF105034.D
 Acq: 2 May 2018 16:42

Tgt Ion:244 Resp: 873421
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 11.7 11.0 16.4

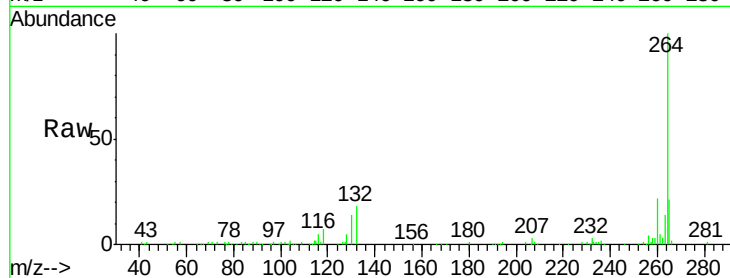




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BF105034.D
Acq: 2 May 2018 16:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	20.6	17.5	26.3



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

