

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104878.D
 Acq On : 27 Apr 2018 12:19
 Operator : JU/SJ
 Sample : PB108604TB
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 14:16:44 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	97168	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	381487	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	149663	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	228658	20.00	ng	0.00
75) Chrysene-d12	13.97	240	202504	20.00	ng	-0.01
86) Perylene-d12	15.44	264	140060	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	708345	111.47	ng	0.00
7) Phenol-d6	6.44	99	855937	109.62	ng	0.00
23) Nitrobenzene-d5	7.36	82	518220	88.70	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	156570	100.85	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	901819	95.19	ng	0.00
78) Terphenyl-d14	12.92	244	716168	80.63	ng	0.00

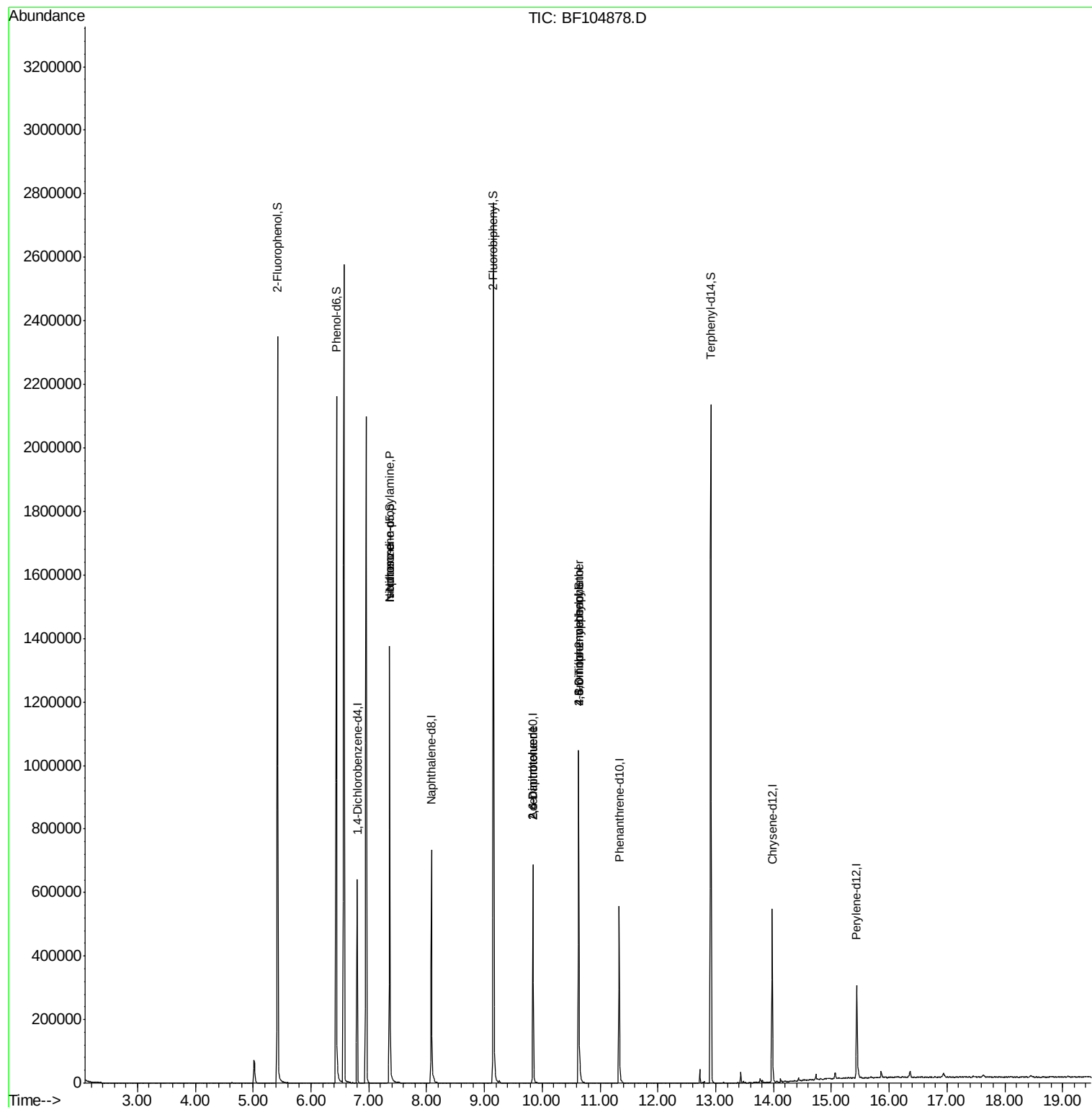
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.44	77	1041	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.36	70	65455	12.829	ng	# 71
25) Isophorone	7.36	82	518217	41.947	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	19087	8.740	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	19087	6.663	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	247	7.535	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	9253	3.804	ng	# 1
76) Benzidine	12.92	184	9049	Below Cal	#	91

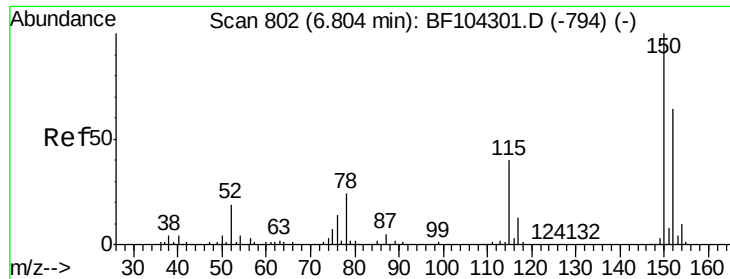
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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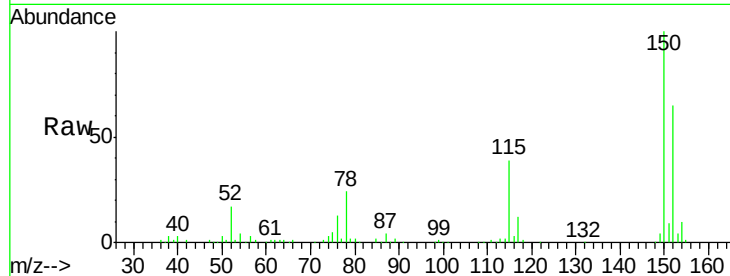


#1

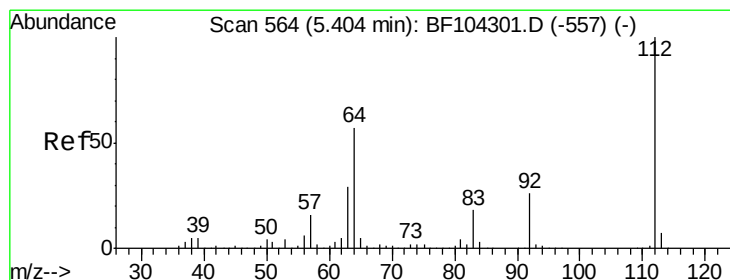
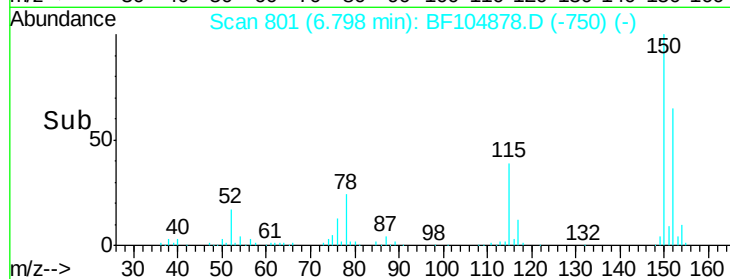
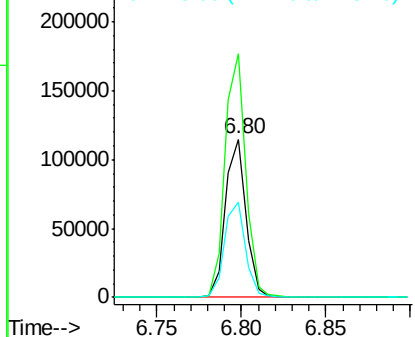
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104878.D
Acq: 27 Apr 2018 12:19

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 97168
Ion Ratio Lower Upper
152 100
150 153.7 124.6 186.8
115 60.4 50.1 75.1



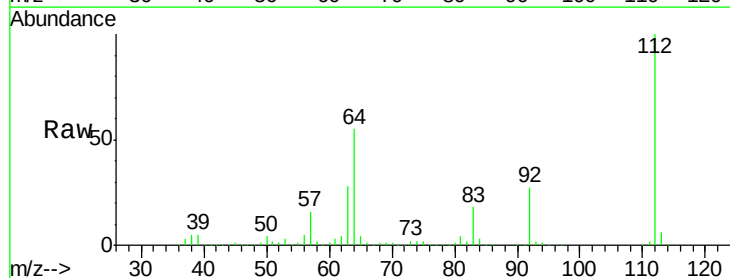
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



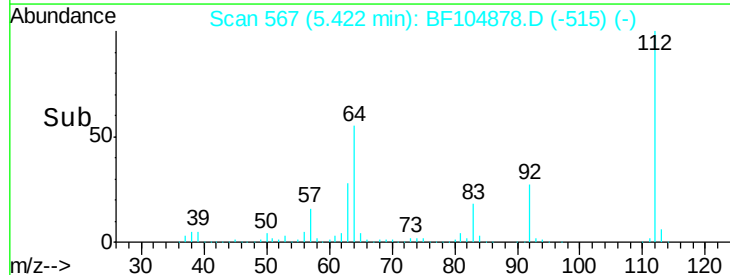
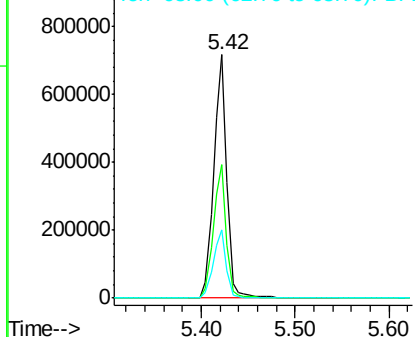
#5

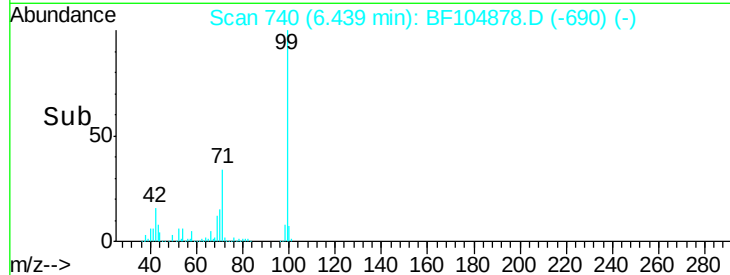
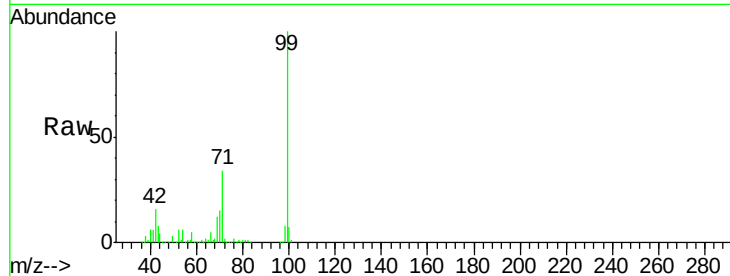
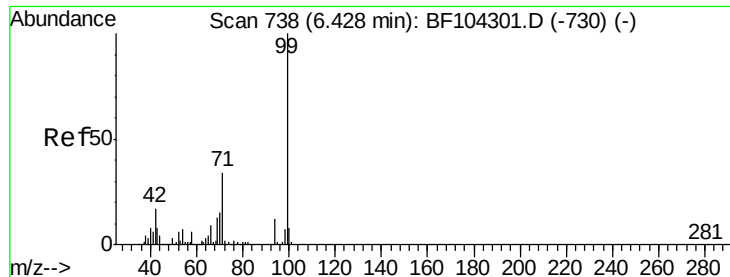
2-Fluorophenol
Concen: 111.467 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104878.D
Acq: 27 Apr 2018 12:19

Tgt Ion:112 Resp: 708345
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 27.9 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: 109.624 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104878.D

Acq: 27 Apr 2018 12:19

Instrument :

BNA_F

ClientSampleId :

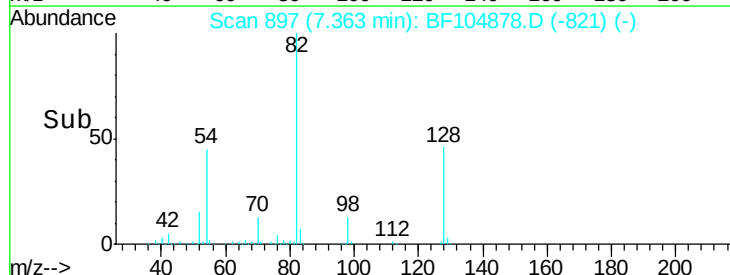
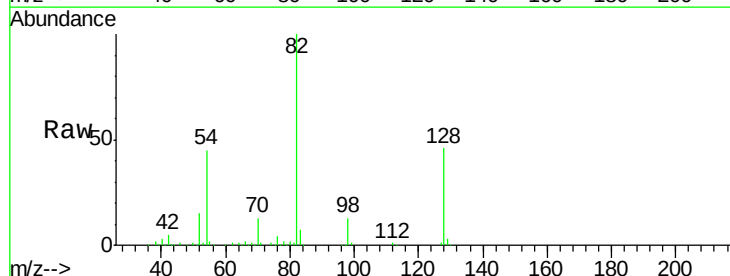
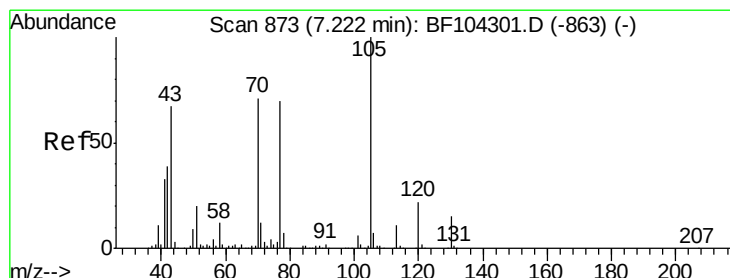
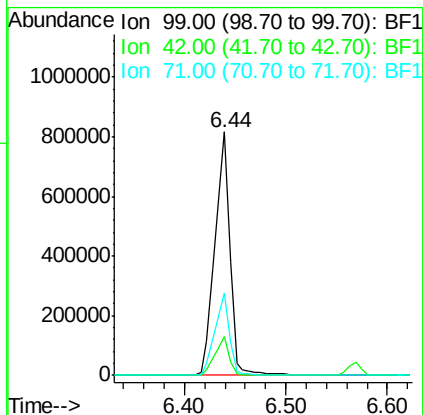
Tot Ion: 99 Resp: 855937

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

71 33.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.829 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF104878.D

Acq: 27 Apr 2018 12:19

Tgt Ion: 70 Resp: 65455

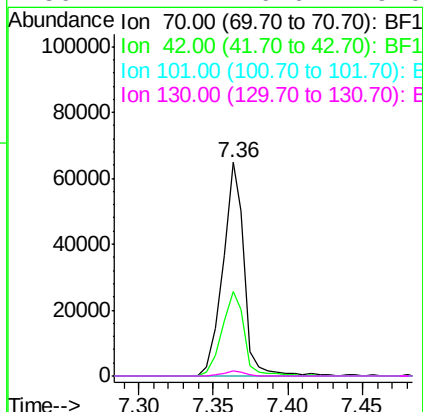
Ion Ratio Lower Upper

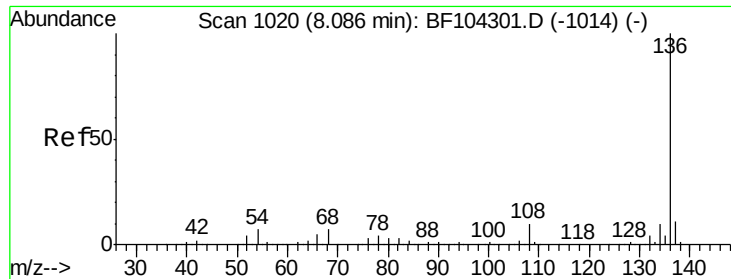
70 100

42 39.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104878.D

Acq: 27 Apr 2018 12:19

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 381487

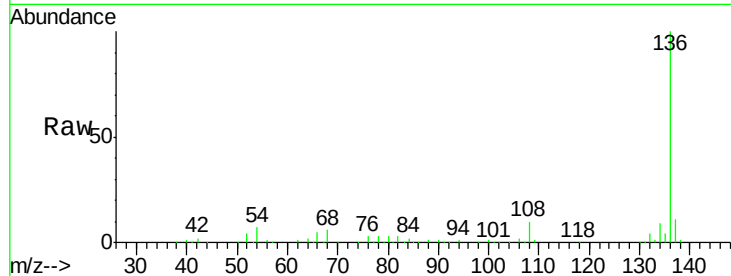
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.6 6.6 9.8

68 5.9 5.0 7.4

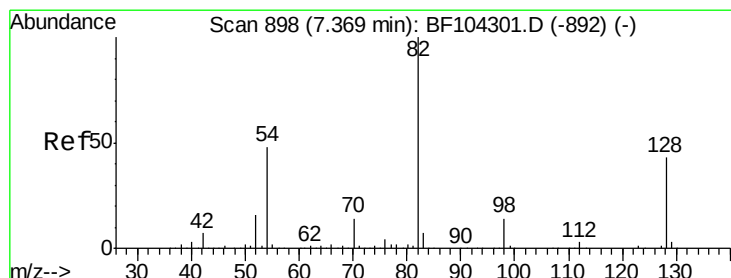
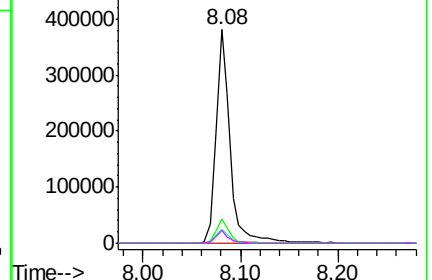
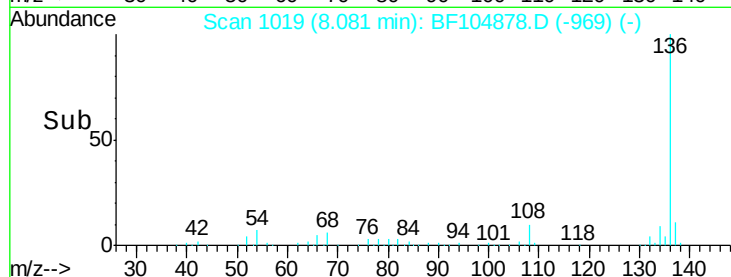


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 88.702 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF104878.D

Acq: 27 Apr 2018 12:19

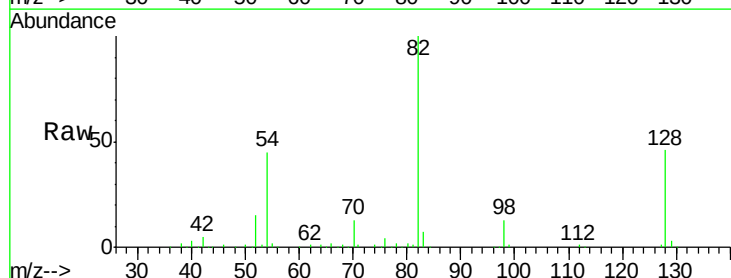
Tgt Ion: 82 Resp: 518220

Ion Ratio Lower Upper

82 100

128 45.6 36.1 54.1

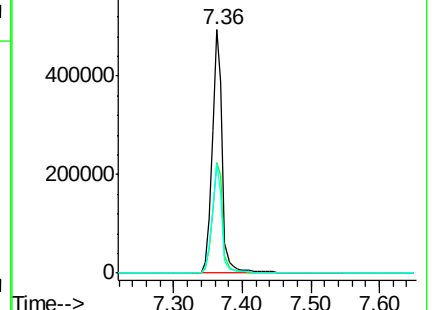
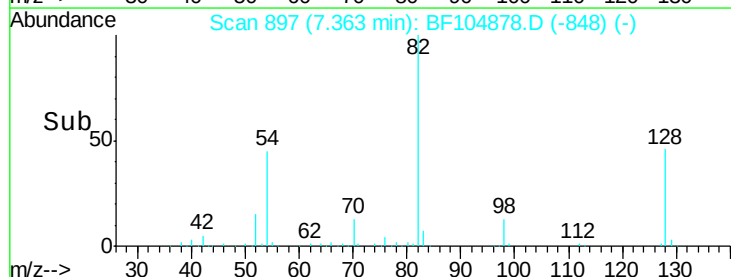
54 44.8 41.4 62.2

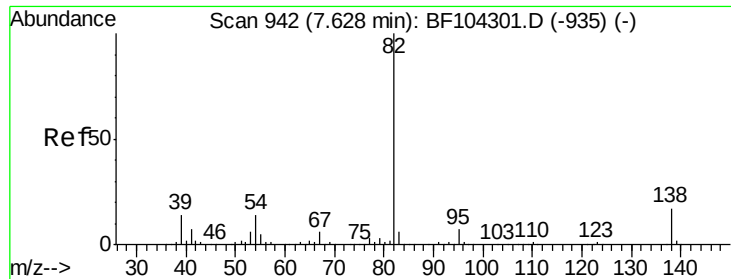


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.947 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104878.D

Acq: 27 Apr 2018 12:19

Instrument :

BNA_F

ClientSampleId :

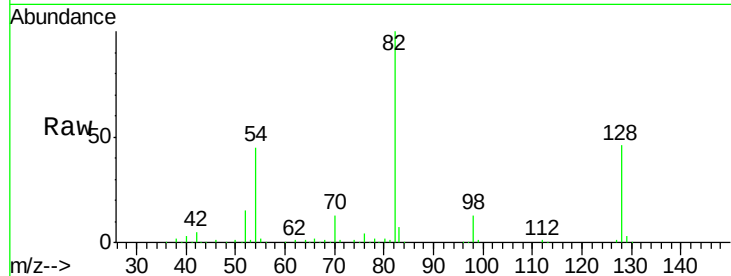
Tot Ion: 82 Resp: 518217

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

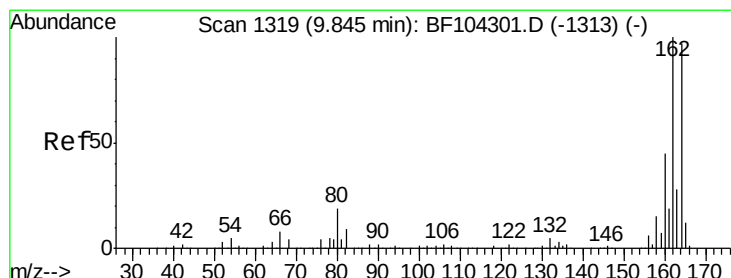
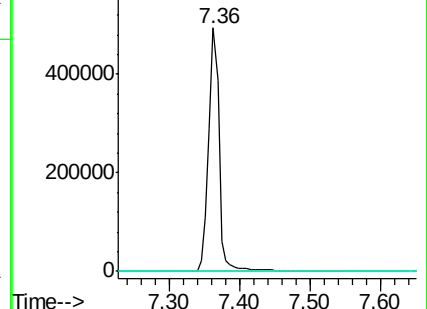
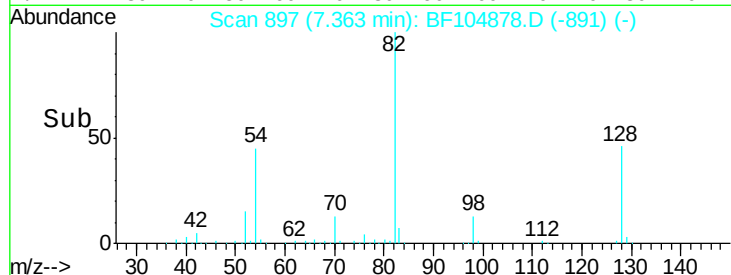
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104878.D

Acq: 27 Apr 2018 12:19

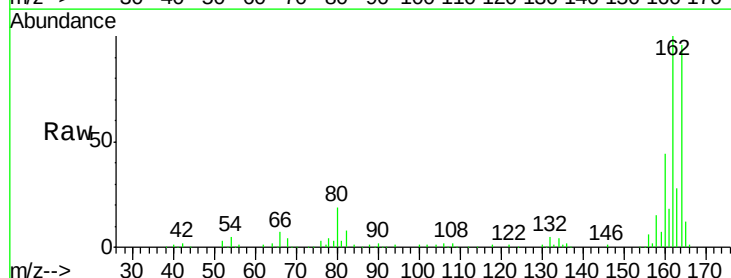
Tgt Ion:164 Resp: 149663

Ion Ratio Lower Upper

164 100

162 104.5 86.1 129.1

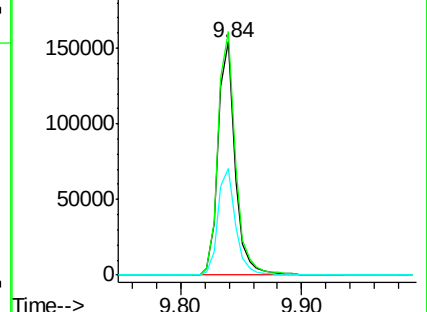
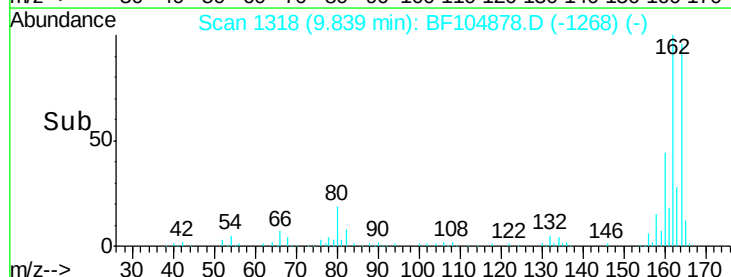
160 45.9 38.3 57.5

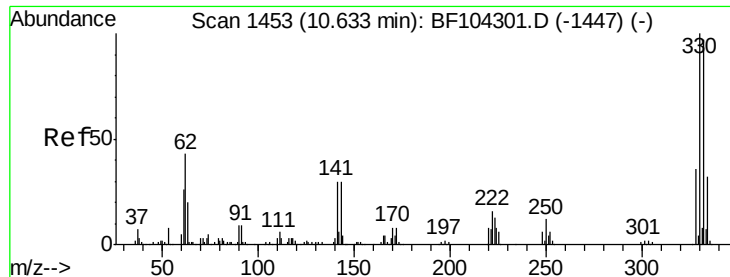


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

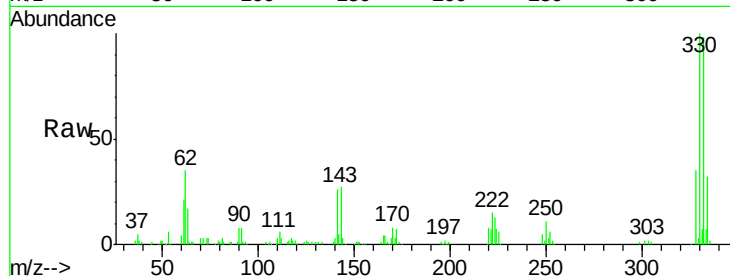




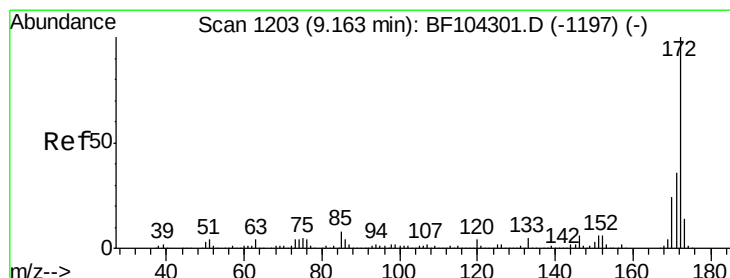
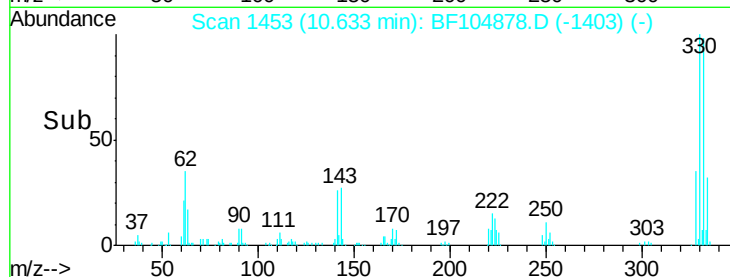
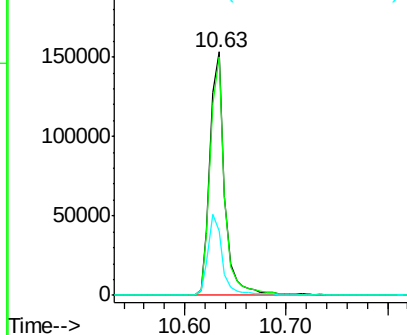
#41
 2,4,6-Tribromophenol
 Concen: 100.851 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104878.D
 Acq: 27 Apr 2018 12:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	32.5	29.9	44.9

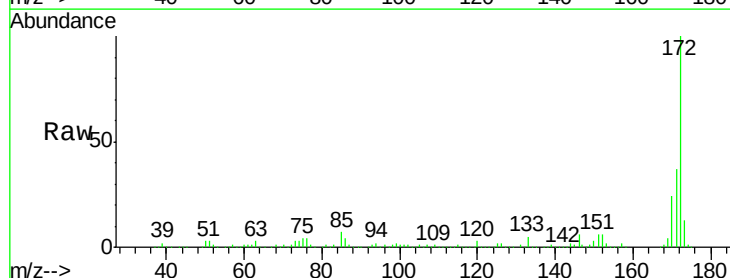


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

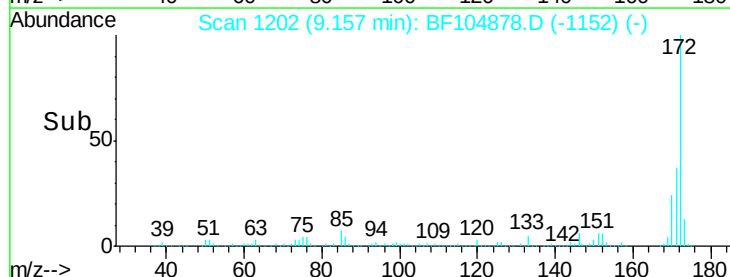
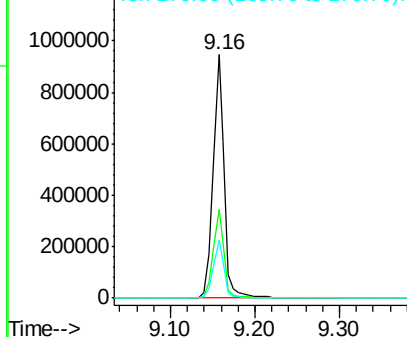


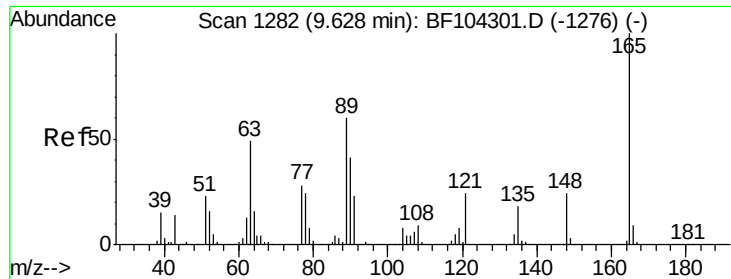
#44
 2-Fluorobiphenyl
 Concen: 95.191 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104878.D
 Acq: 27 Apr 2018 12:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	23.9	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

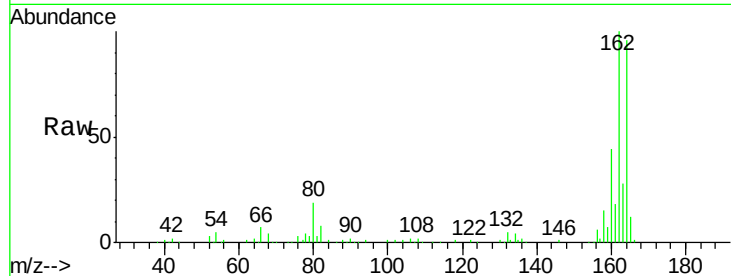




#50
 2,6-Dinitrotoluene
 Concen: 8.740 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104878.D
 Acq: 27 Apr 2018 12:19

Instrument :
 BNA_F
 ClientSampled :

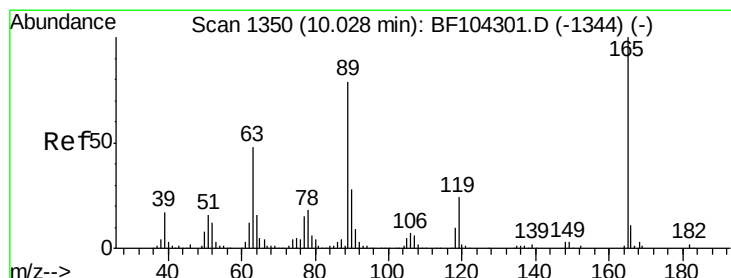
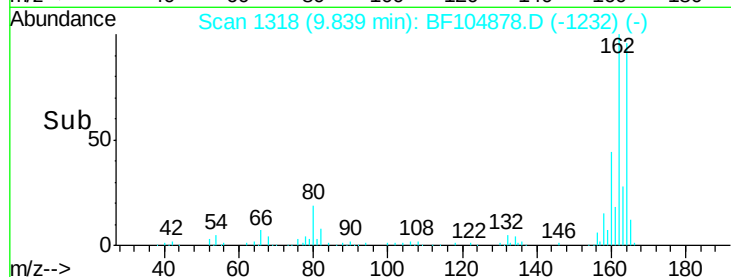
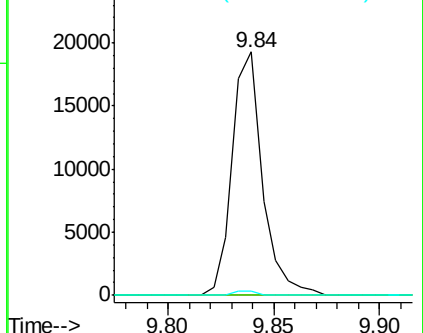
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.6	44.0	66.0#



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: 6.663 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104878.D
 Acq: 27 Apr 2018 12:19

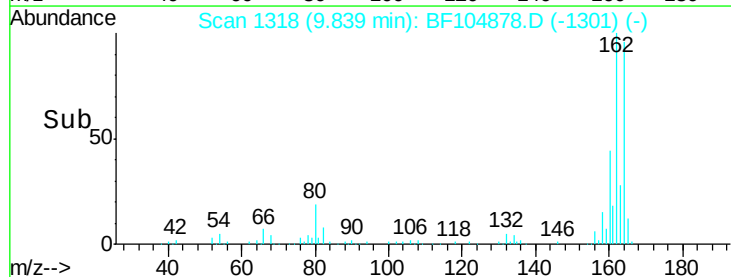
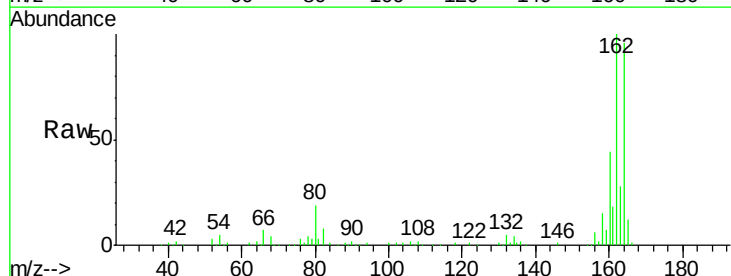
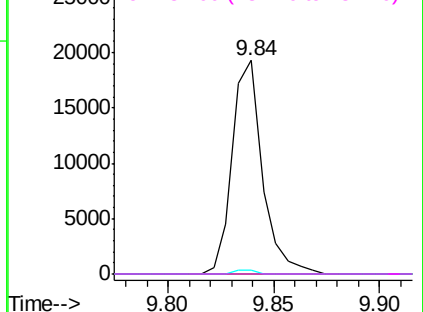
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

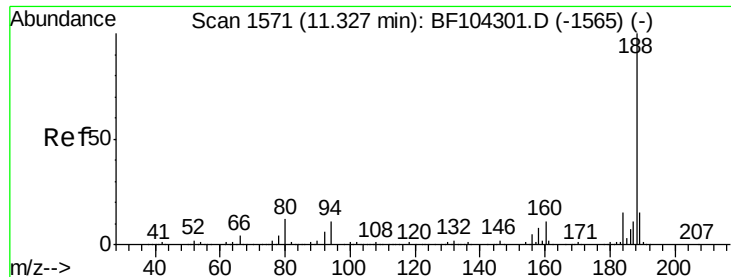
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

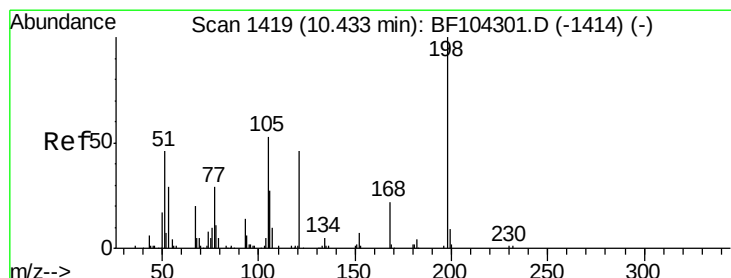
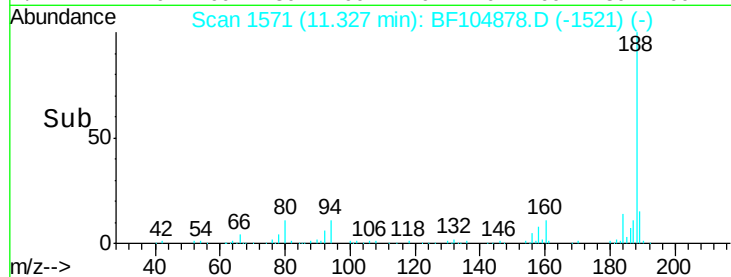
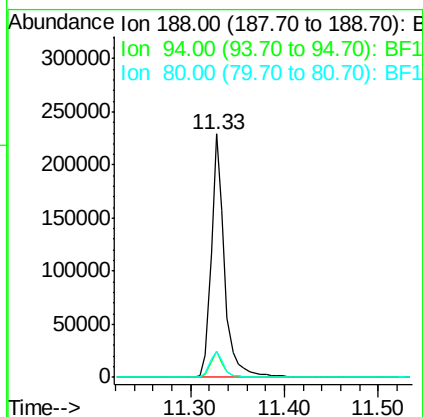
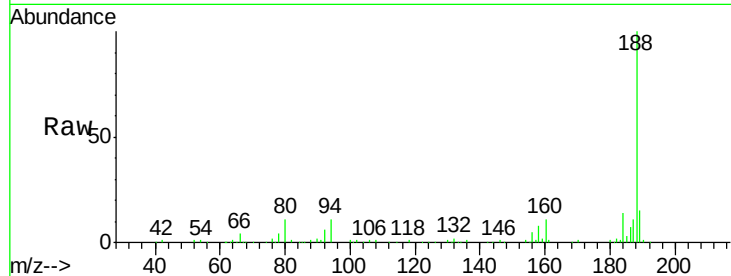




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104878.D
 Acq: 27 Apr 2018 12:19

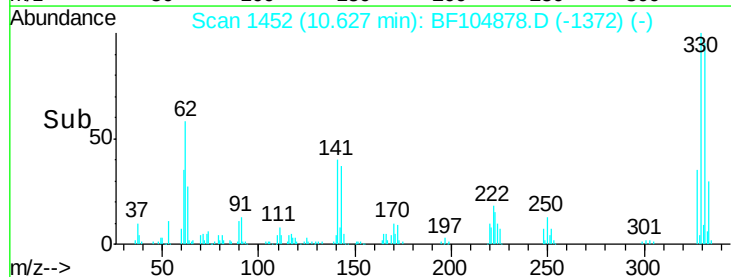
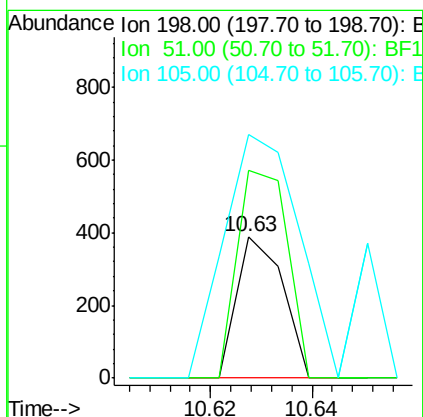
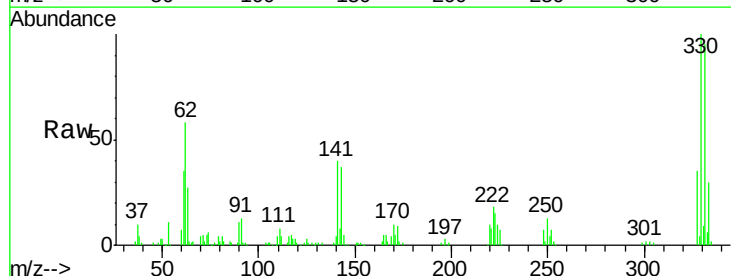
Instrument :
 BNA_F
 ClientSampleId :

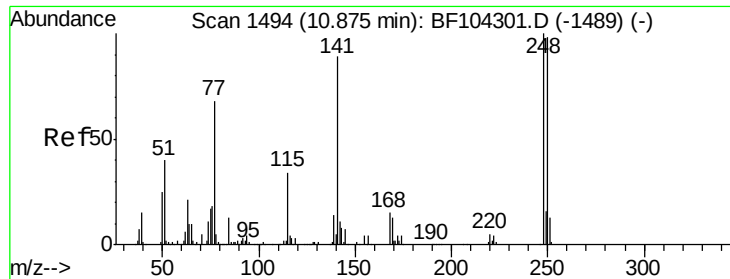
Tot Ion:188 Resp: 228658
 Ion Ratio Lower Upper
 188 100
 94 10.8 8.5 12.7
 80 10.6 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.535 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.17 min
 Lab File: BF104878.D
 Acq: 27 Apr 2018 12:19

Tgt Ion:198 Resp: 247
 Ion Ratio Lower Upper
 198 100
 51 146.4 37.7 77.7#
 105 171.8 36.3 76.3#

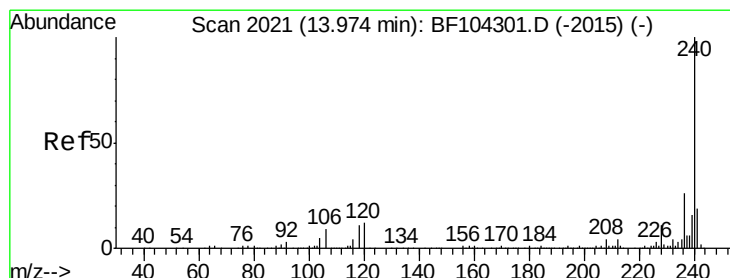
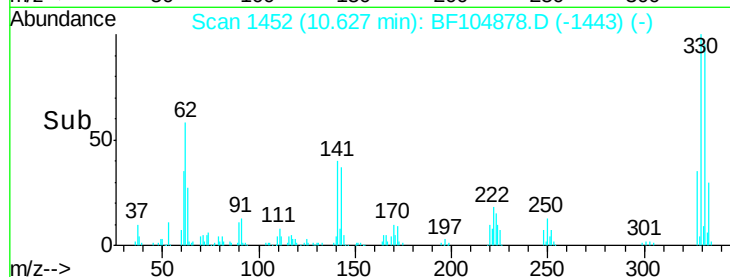
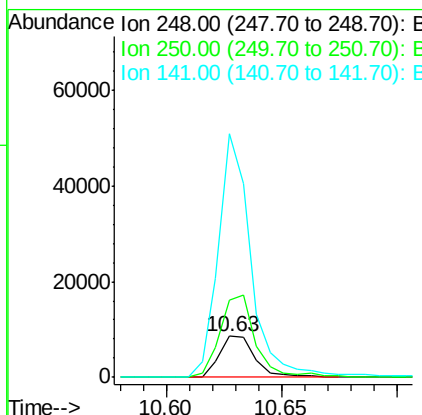
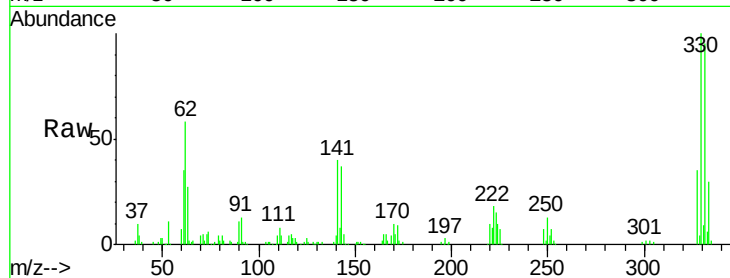




#66
 4-Bromophenyl-phenylether
 Concen: 3.804 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF104878.D
 Acq: 27 Apr 2018 12:19

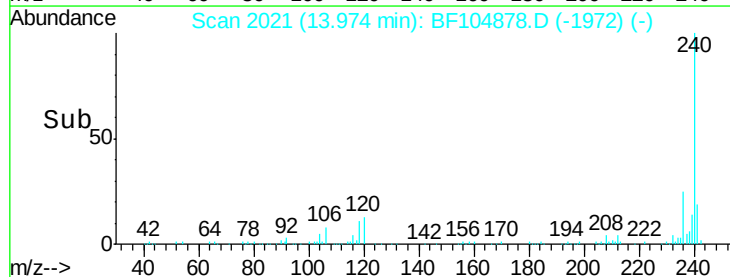
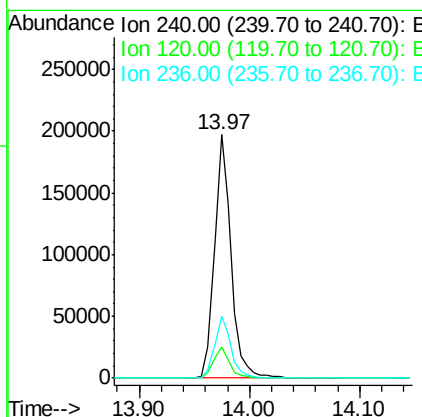
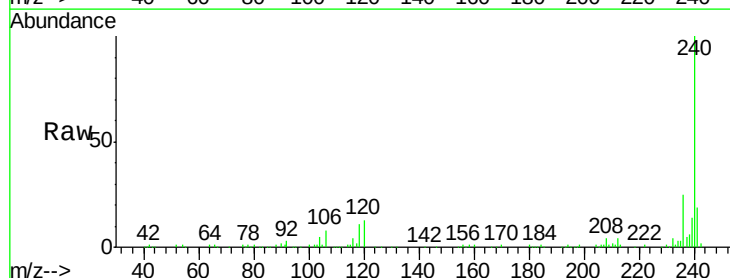
Instrument :
 BNA_F
 ClientSampleId :

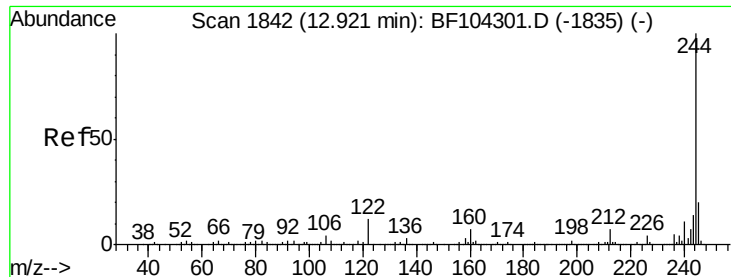
Tot Ion:248 Resp: 9253
 Ion Ratio Lower Upper
 248 100
 250 188.9 76.9 115.3#
 141 591.1 74.4 111.6#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104878.D
 Acq: 27 Apr 2018 12:19

Tgt Ion:240 Resp: 202504
 Ion Ratio Lower Upper
 240 100
 120 12.8 9.5 14.3
 236 25.4 20.7 31.1

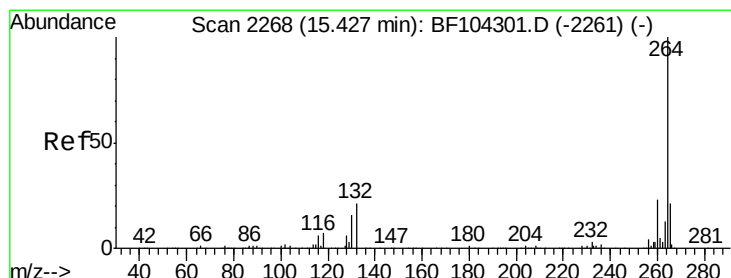
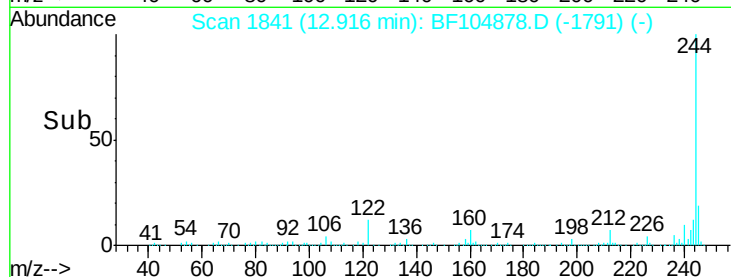
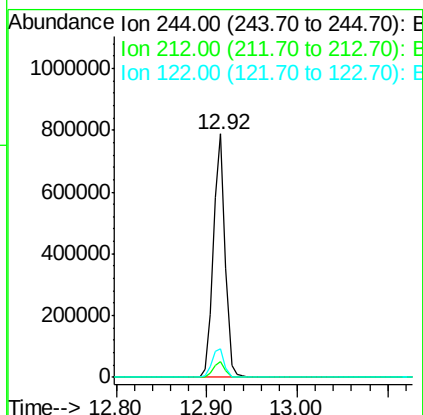
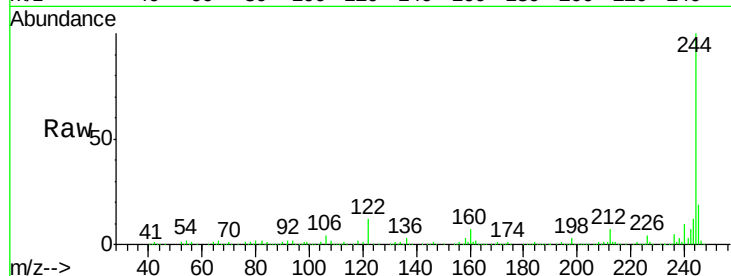




#78
 Terphenyl-d14
 Concen: 80.628 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104878.D
 Acq: 27 Apr 2018 12:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 716168
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 11.9 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.02 min
 Lab File: BF104878.D
 Acq: 27 Apr 2018 12:19

Tgt Ion:264 Resp: 140060
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 20.1 17.5 26.3

