

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
 Data File : BF104410.D
 Acq On : 10 Apr 2018 15:54
 Operator : JU/SJ
 Sample : J2304-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 16:29:39 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 12:04:31 2018
 Response via : Initial Calibration

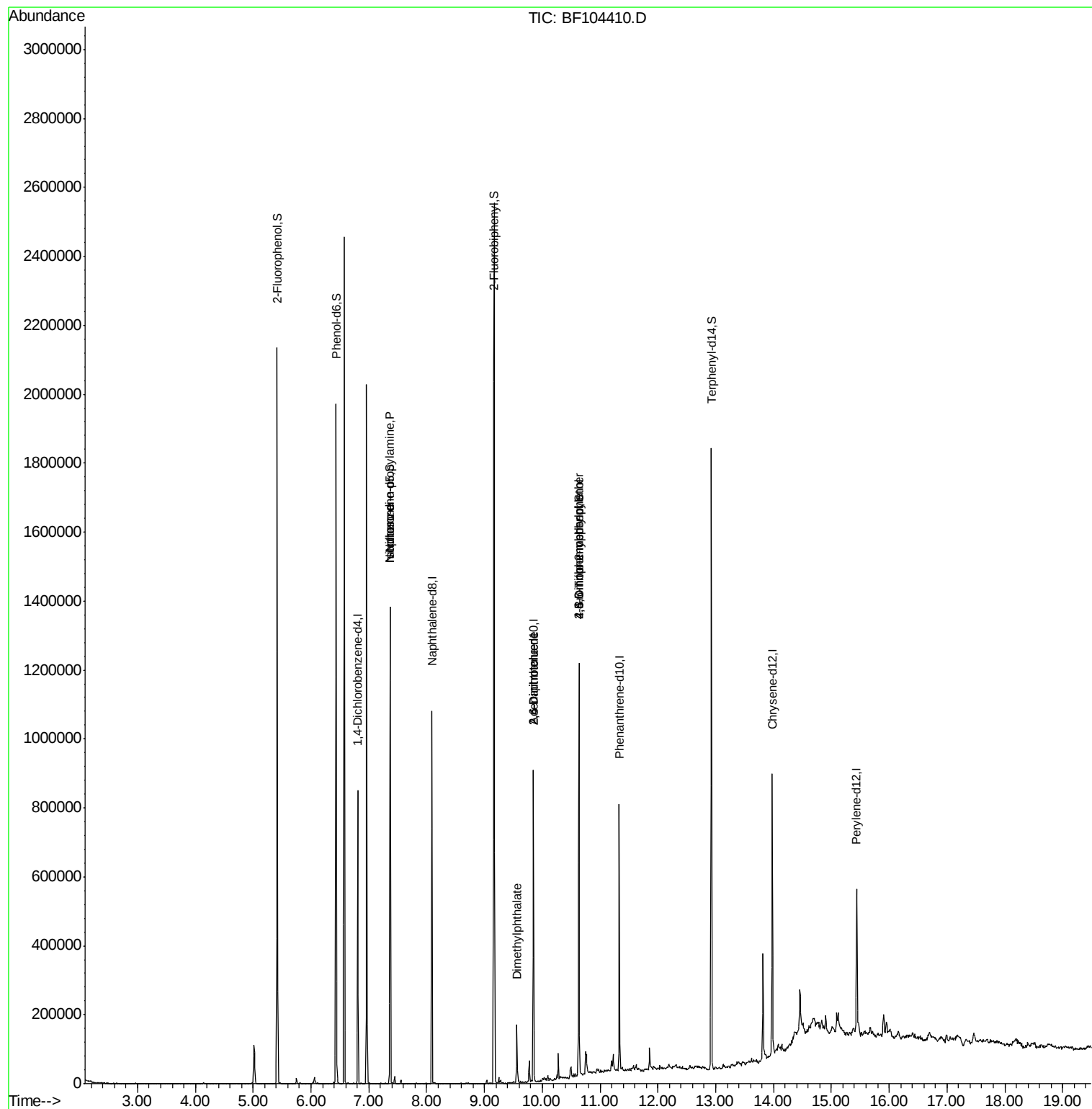
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	116207	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	433226	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	164699	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	247464	20.00	ng	0.00
75) Chrysene-d12	13.98	240	260639	20.00	ng	0.00
86) Perylene-d12	15.44	264	191533	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	659408	86.77	ng	0.01
7) Phenol-d6	6.44	99	789989	84.60	ng	0.00
23) Nitrobenzene-d5	7.37	82	464084	69.95	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	130962	76.65	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	751090	72.04	ng	0.00
78) Terphenyl-d14	12.93	244	621525	54.37	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	59437	9.741	ng	# 74
25) Isophorone	7.37	82	463916	33.067	ng	# 64
49) Dimethylphthalate	9.56	163	64785	4.988	ng	100
50) 2,6-Dinitrotoluene	9.85	165	20614	8.578	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	20614	6.539	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	155	7.456	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	7974	3.029	ng	# 1
76) Benzidine	12.92	184	8345	Below Cal		# 90

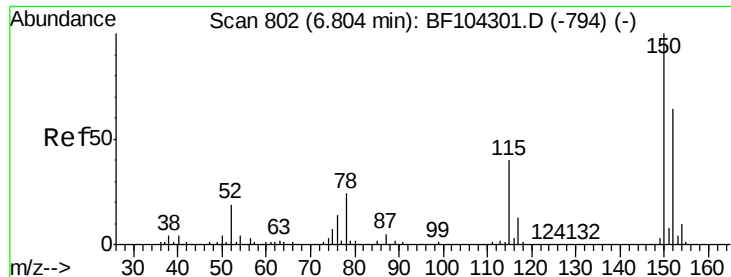
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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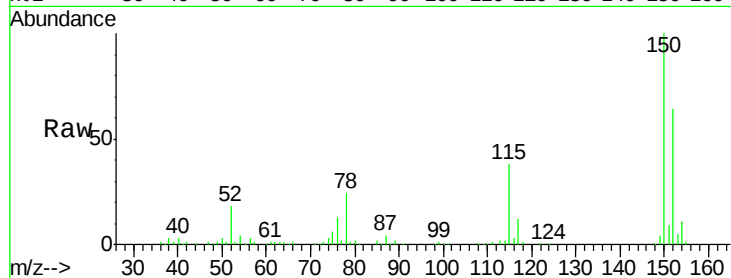


#1

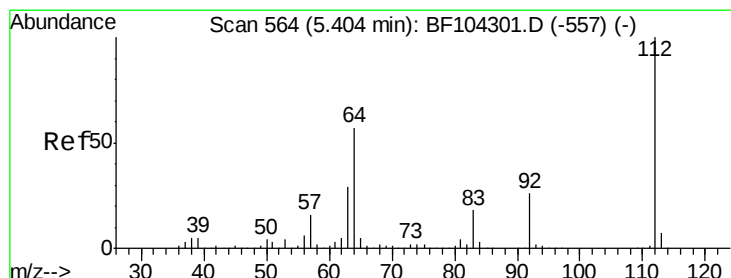
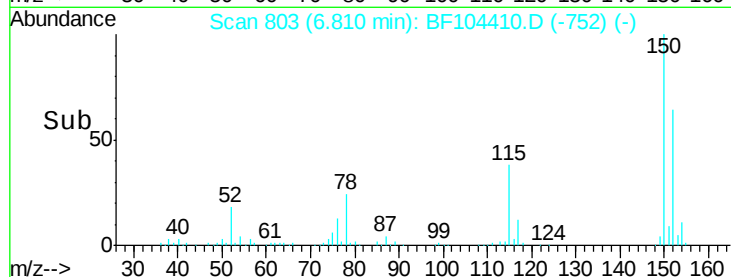
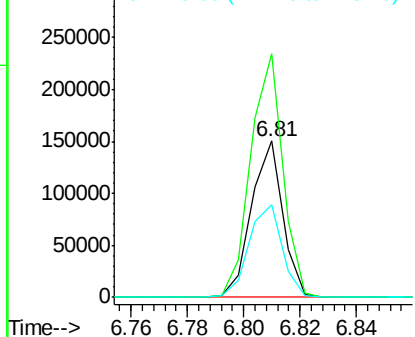
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF104410.D
 Acq: 10 Apr 2018 15:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 116207
 Ion Ratio Lower Upper
 152 100
 150 155.8 124.6 186.8
 115 59.3 50.1 75.1



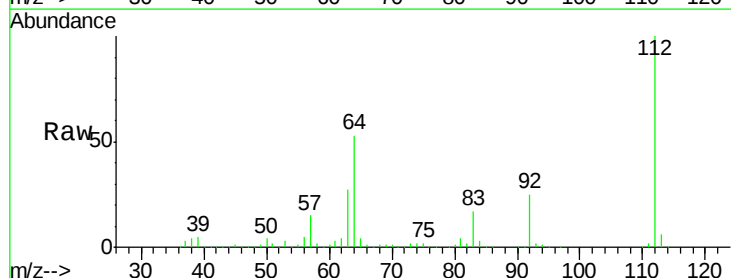
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



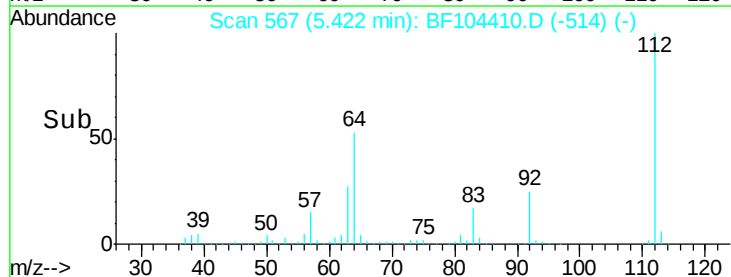
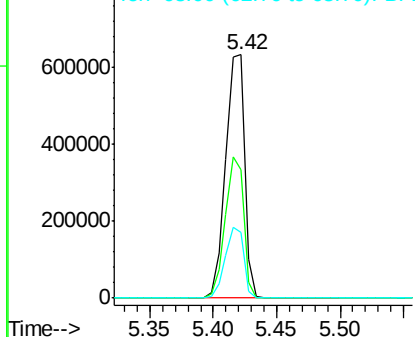
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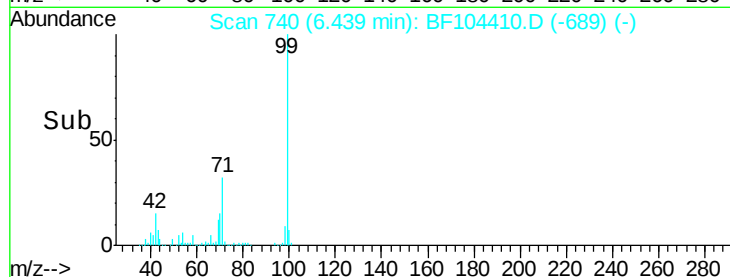
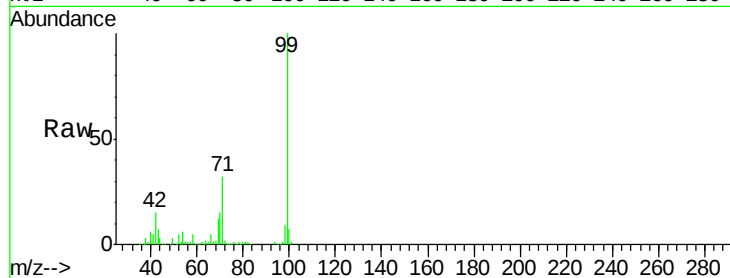
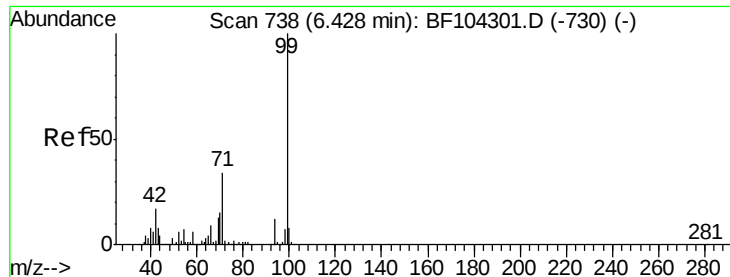
2-Fluorophenol
 Concen: 86.765 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF104410.D
 Acq: 10 Apr 2018 15:54

Tgt Ion:112 Resp: 659408
 Ion Ratio Lower Upper
 112 100
 64 52.8 47.9 71.9
 63 26.9 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: 84.601 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF104410.D

Acq: 10 Apr 2018 15:54

Instrument :

BNA_F

ClientSampleId :

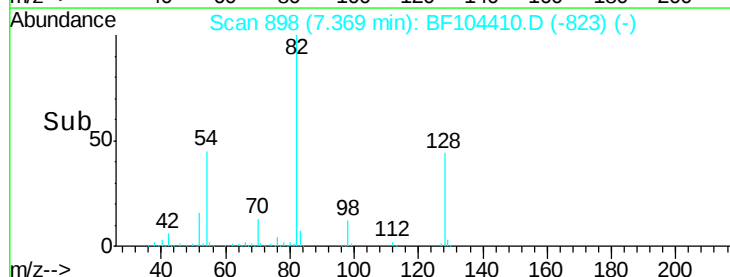
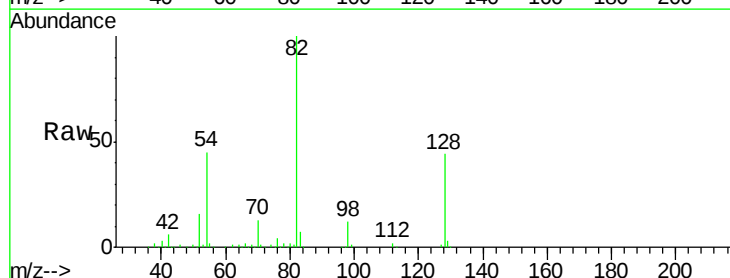
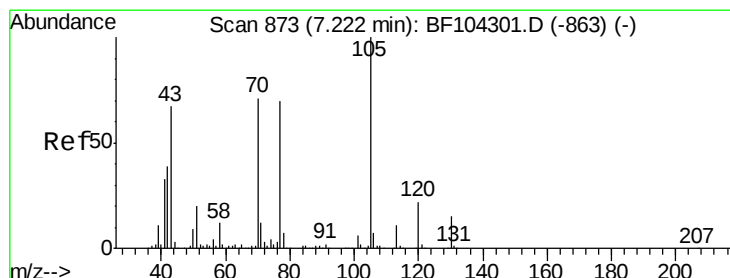
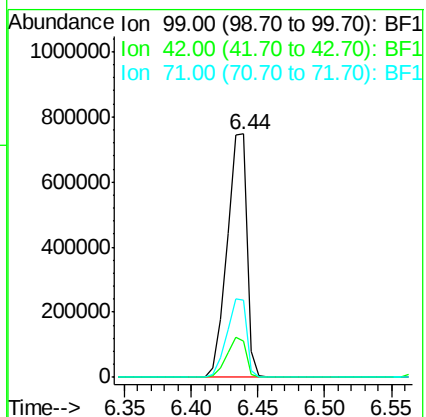
Tot Ion: 99 Resp: 789989

Ion Ratio Lower Upper

99 100

42 14.9 14.5 21.7

71 31.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 9.741 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104410.D

Acq: 10 Apr 2018 15:54

Tgt Ion: 70 Resp: 59437

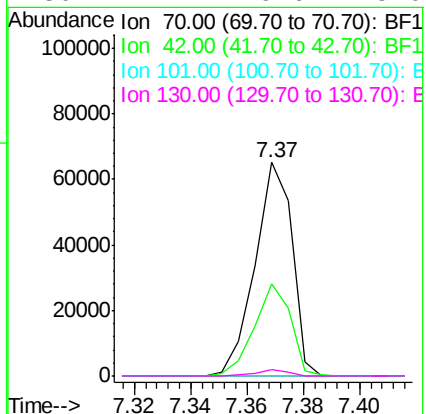
Ion Ratio Lower Upper

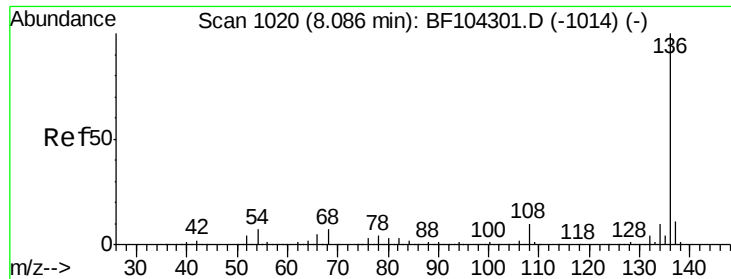
70 100

42 43.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

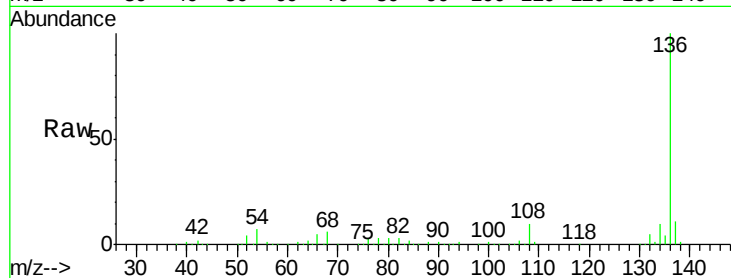




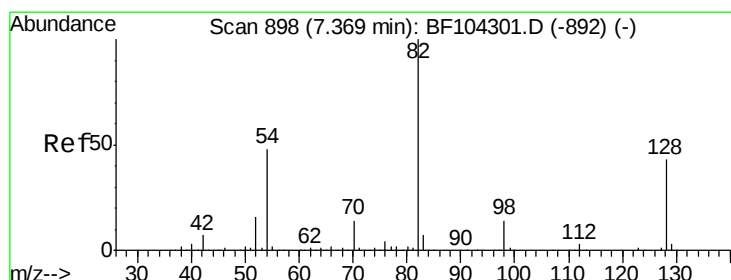
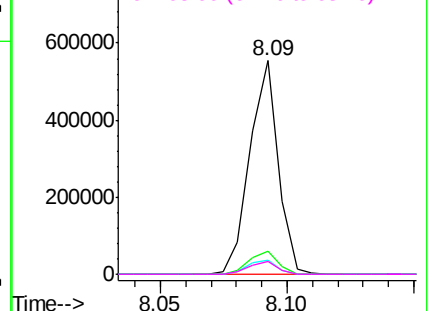
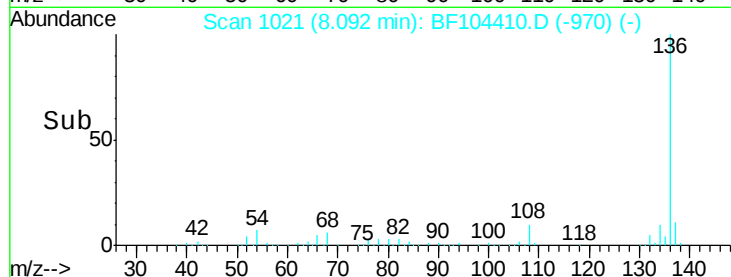
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104410.D
Acq: 10 Apr 2018 15:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	433226
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.9	13.3
54 6.7	6.6	9.8
68 6.0	5.0	7.4

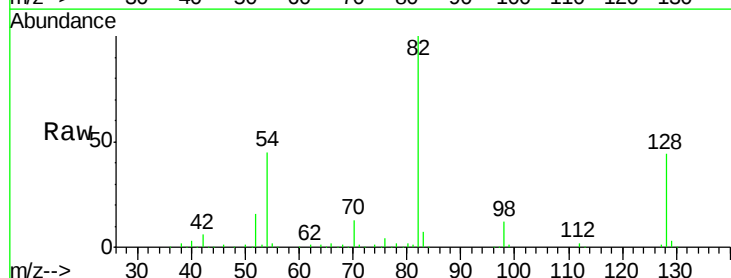


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

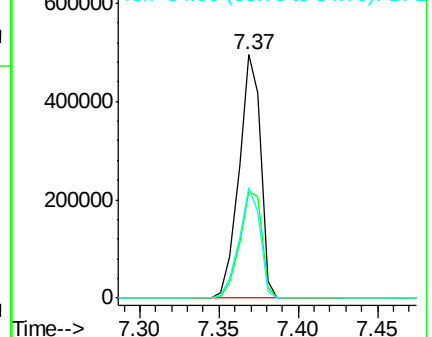
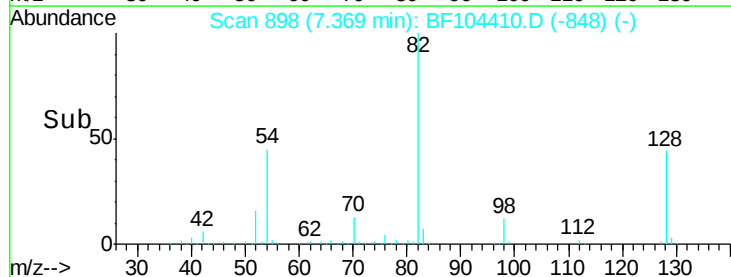


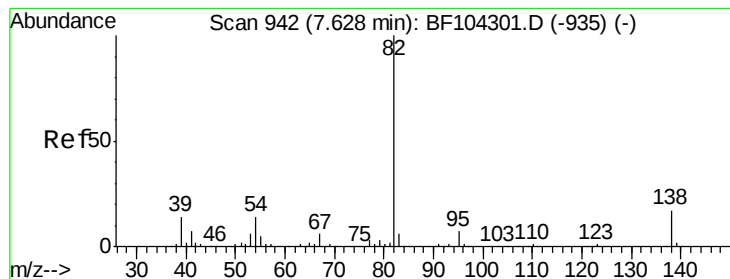
#23
Nitrobenzene-d5
Concen: 69.949 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104410.D
Acq: 10 Apr 2018 15:54

Tgt Ion: 82	Resp:	464084
Ion Ratio	Lower	Upper
82 100		
128 43.9	36.1	54.1
54 45.2	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: 33.067 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104410.D

Acq: 10 Apr 2018 15:54

Instrument :

BNA_F

ClientSampleId :

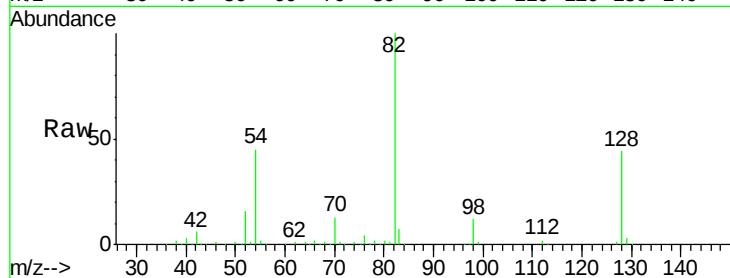
Tot Ion: 82 Resp: 463916

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

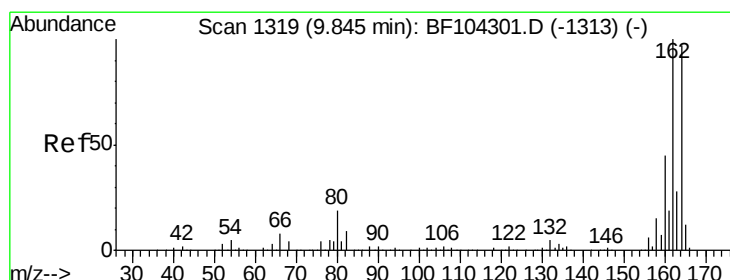
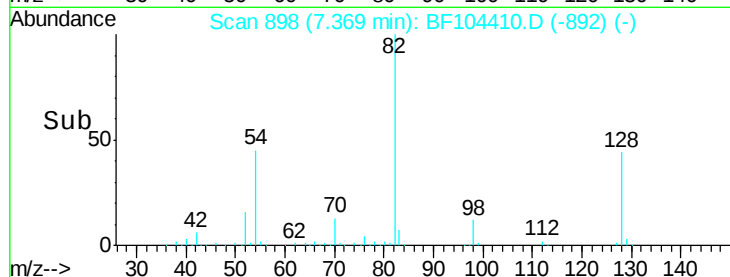
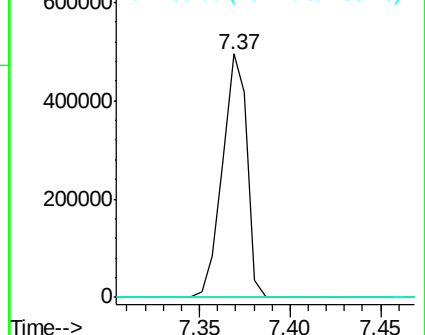
138 0.0 14.9 22.3#



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: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF104410.D

Acq: 10 Apr 2018 15:54

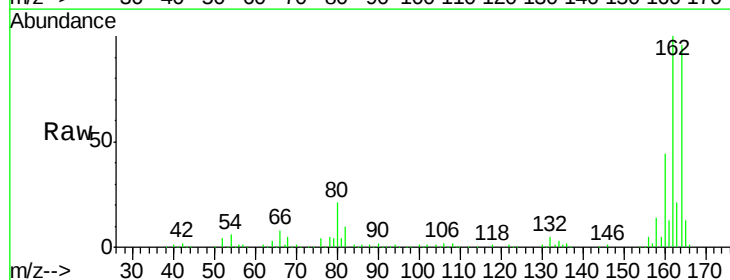
Tgt Ion: 164 Resp: 164699

Ion Ratio Lower Upper

164 100

162 104.2 86.1 129.1

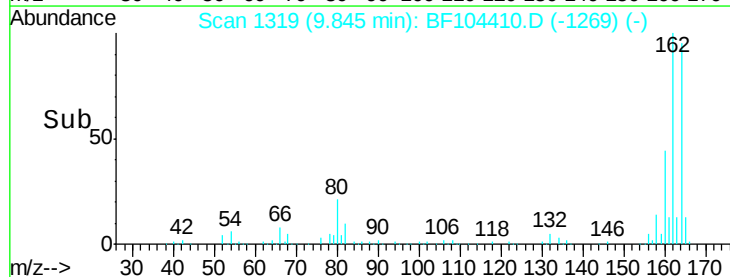
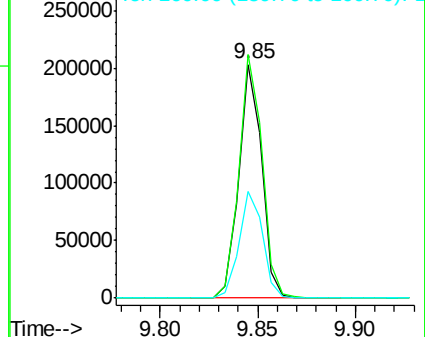
160 45.5 38.3 57.5

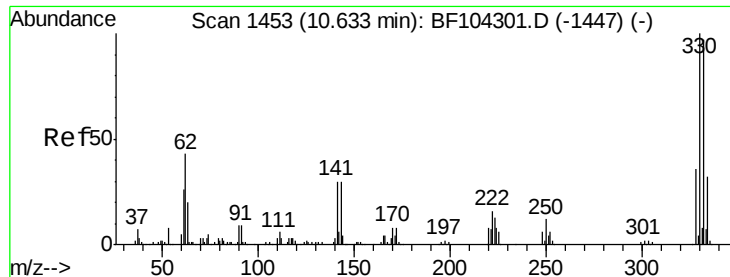


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

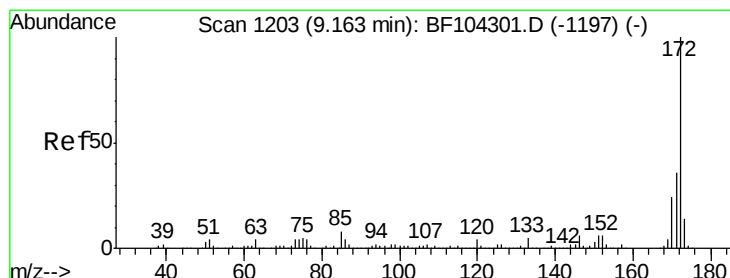
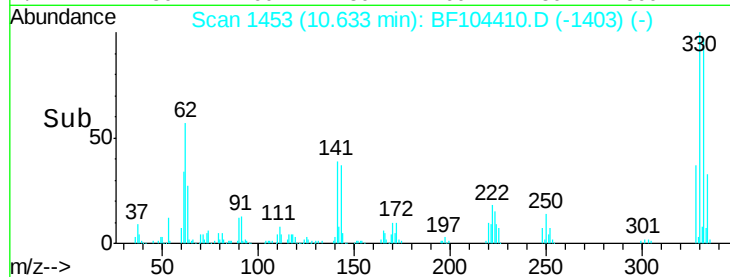
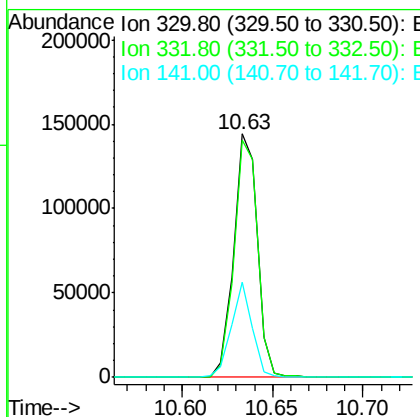
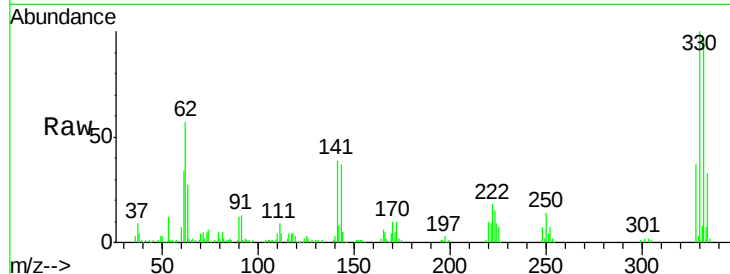




#41
 2,4,6-Tribromophenol
 Concen: 76.655 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104410.D
 Acq: 10 Apr 2018 15:54

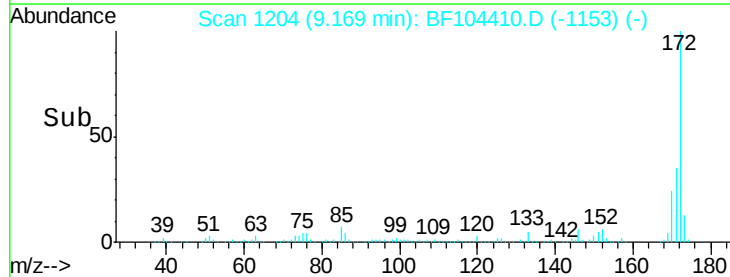
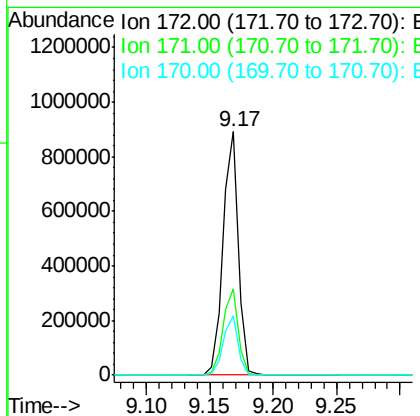
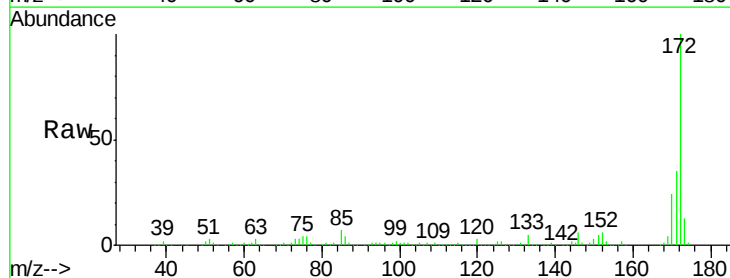
Instrument :
 BNA_F
 ClientSampleId :

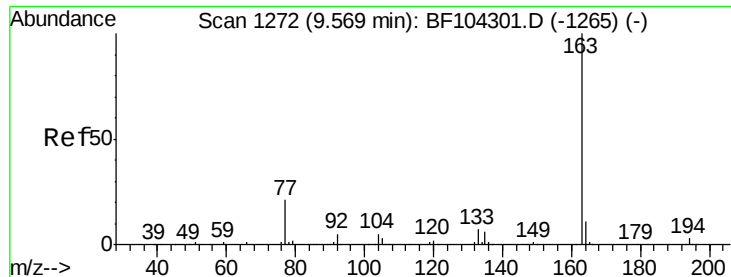
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	35.0	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 72.043 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104410.D
 Acq: 10 Apr 2018 15:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	24.2	19.6	29.4

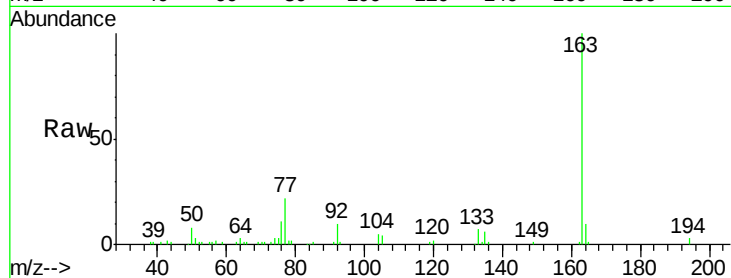




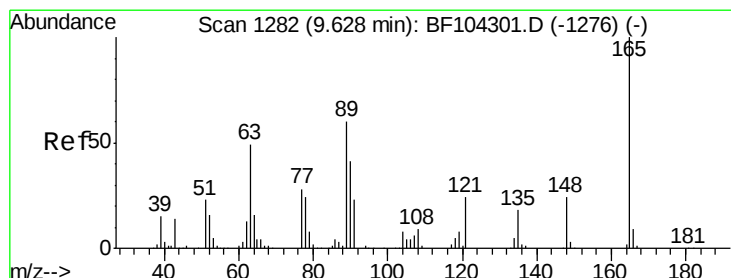
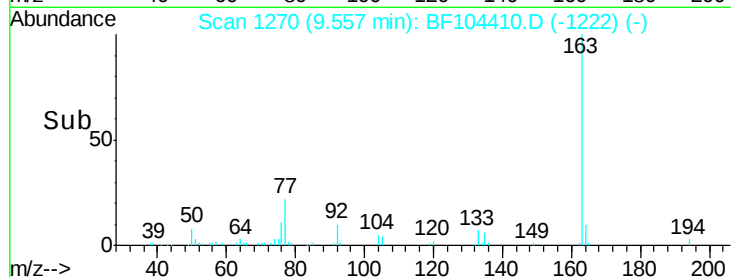
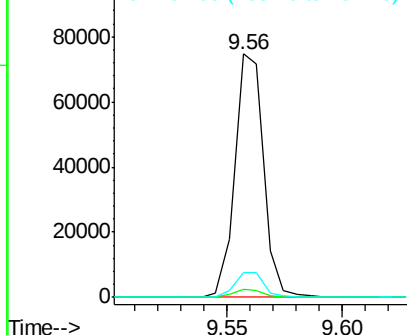
#49
Dimethylphthalate
Concen: 4.988 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104410.D
Acq: 10 Apr 2018 15:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 64785
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.1 8.2 12.2

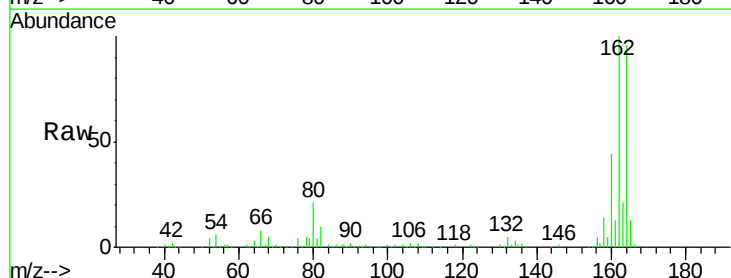


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

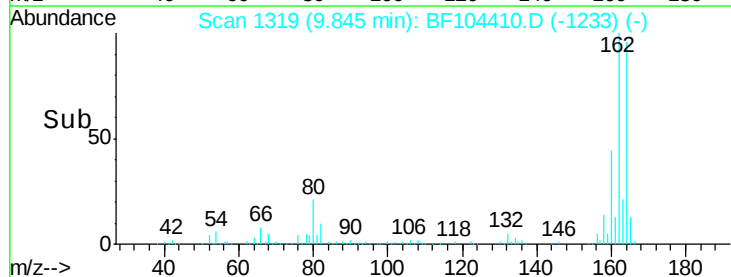
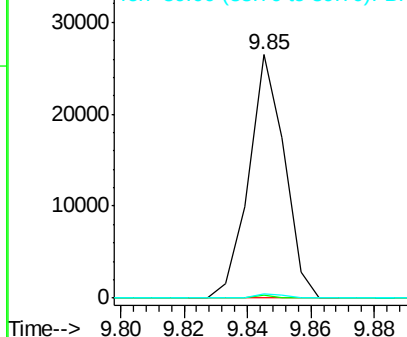


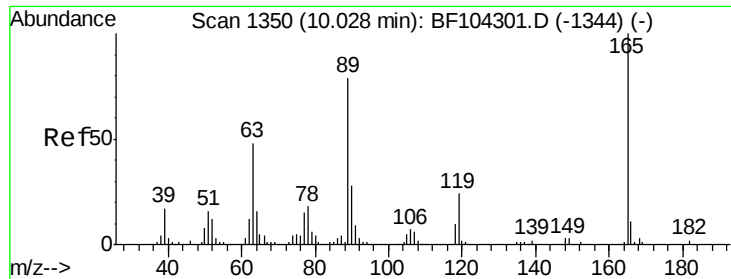
#50
2,6-Dinitrotoluene
Concen: 8.578 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.21 min
Lab File: BF104410.D
Acq: 10 Apr 2018 15:54

Tgt Ion:165 Resp: 20614
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.9 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

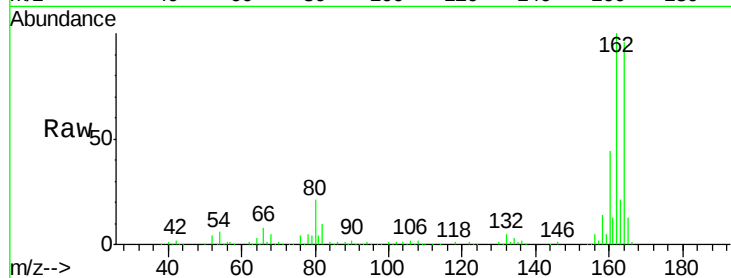




#56
2,4-Dinitrotoluene
Concen: 6.539 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.19 min
Lab File: BF104410.D
Acq: 10 Apr 2018 15:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	165	Resp:	20614
Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#

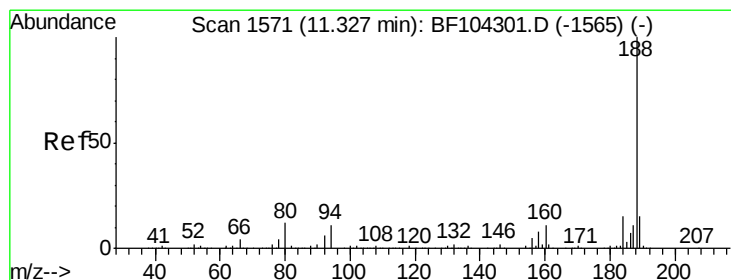
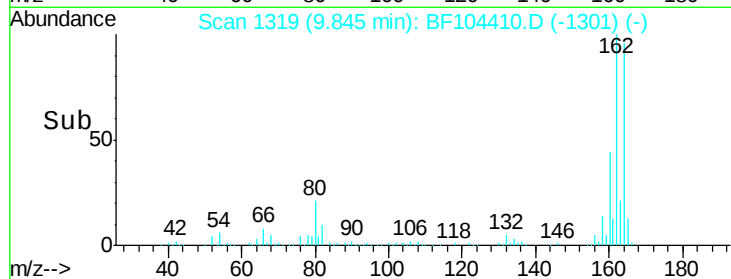
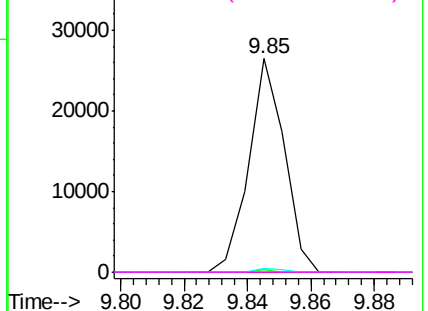


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

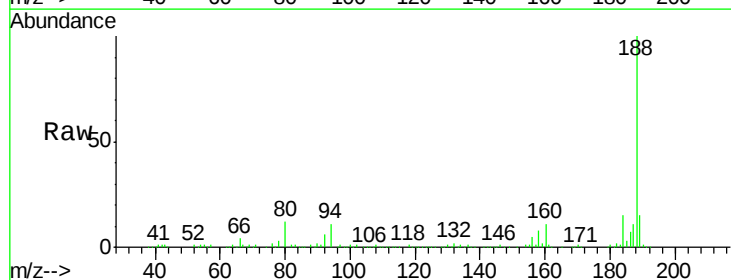
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF104410.D
Acq: 10 Apr 2018 15:54

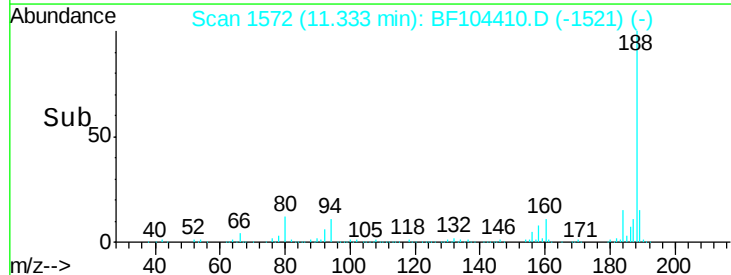
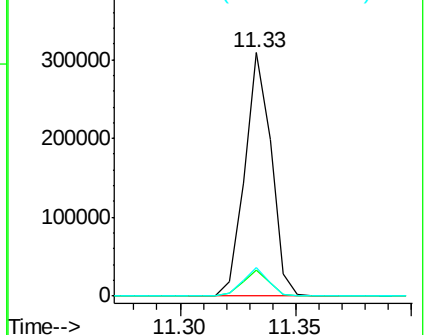
Tgt Ion:	188	Resp:	247464
Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	11.7	9.2	13.8

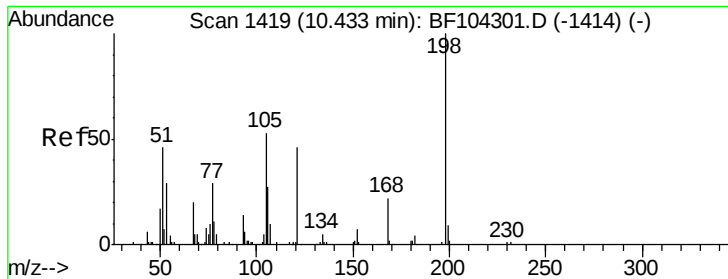


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

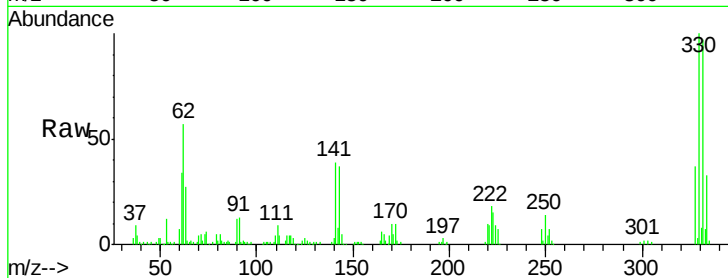




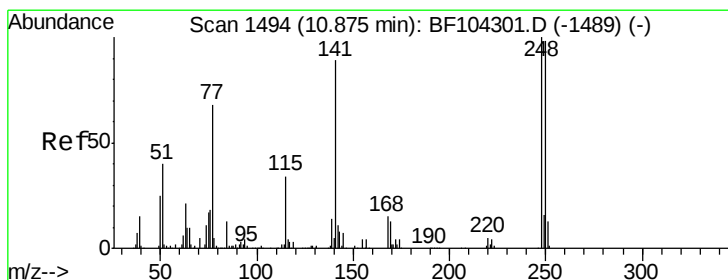
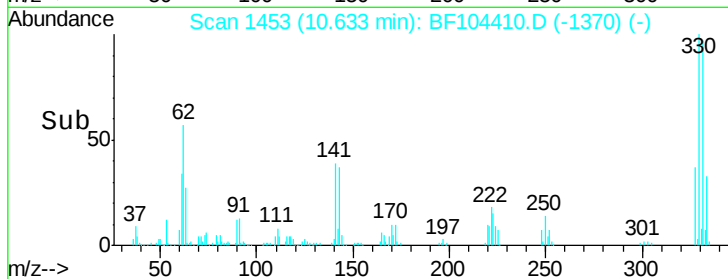
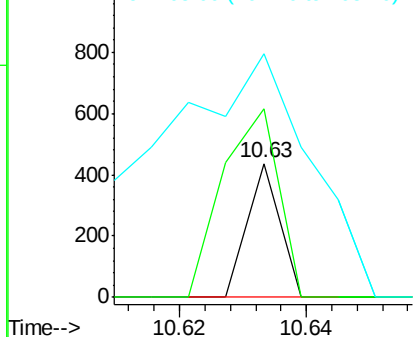
#64
4,6-Dinitro-2-methylphenol
Concen: 7.456 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.19 min
Lab File: BF104410.D
Acq: 10 Apr 2018 15:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 155
Ion Ratio Lower Upper
198 100
51 140.2 37.7 77.7#
105 181.5 36.3 76.3#

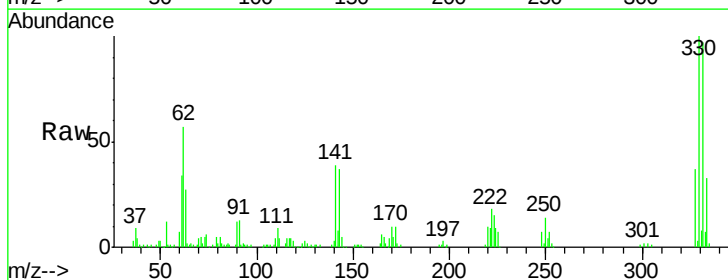


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

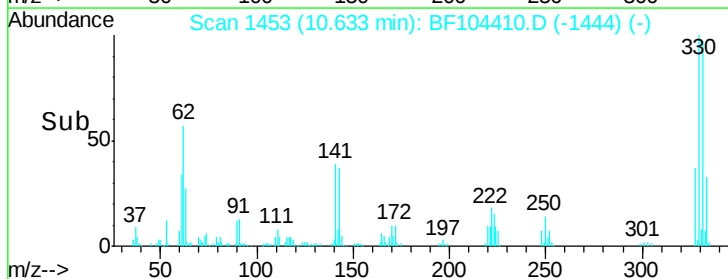
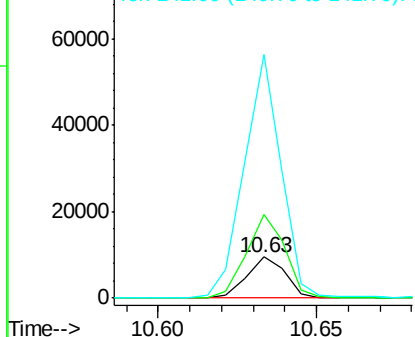


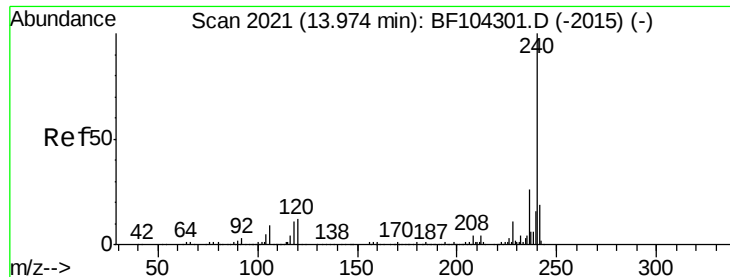
#66
4-Bromophenyl-phenylether
Concen: 3.029 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF104410.D
Acq: 10 Apr 2018 15:54

Tgt Ion:248 Resp: 7974
Ion Ratio Lower Upper
248 100
250 206.4 76.9 115.3#
141 596.5 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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104410.D

Acq: 10 Apr 2018 15:54

Instrument :

BNA_F

ClientSampleId :

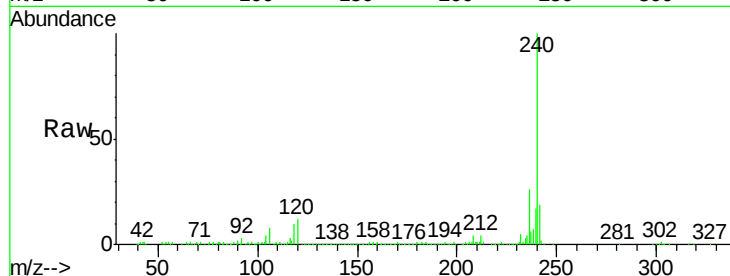
Tot Ion:240 Resp: 260639

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

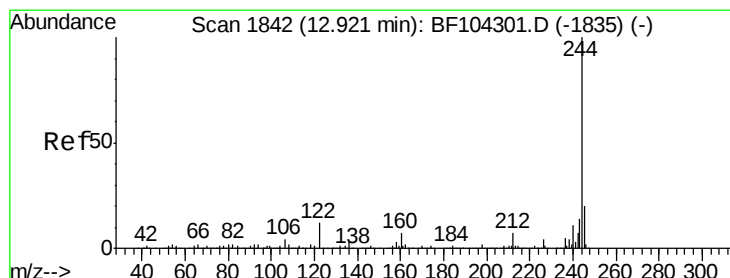
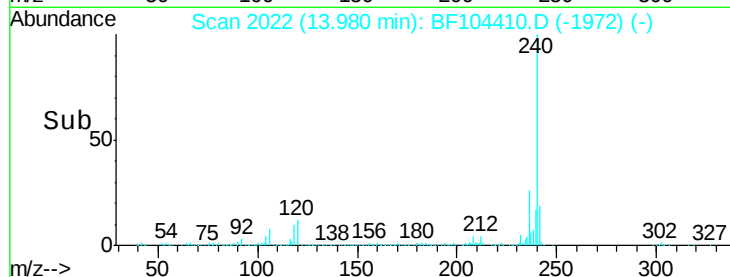
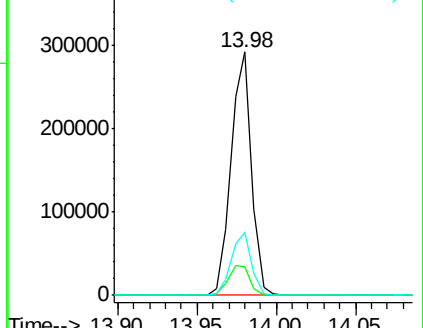
236 25.9 20.7 31.1



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: 54.365 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.00 min

Lab File: BF104410.D

Acq: 10 Apr 2018 15:54

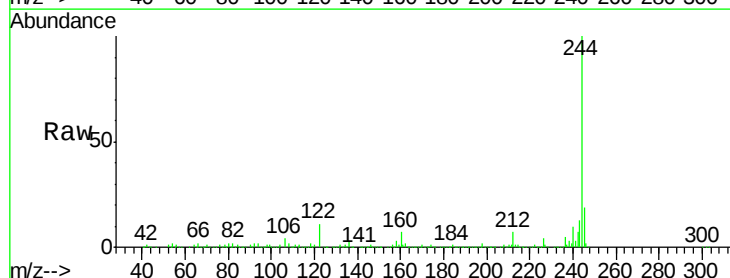
Tgt Ion:244 Resp: 621525

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

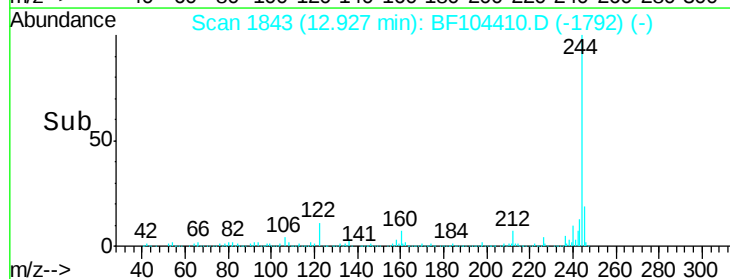
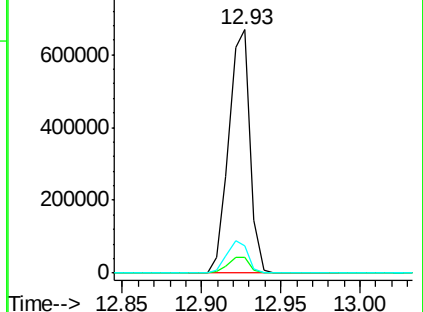
122 11.1 11.0 16.4

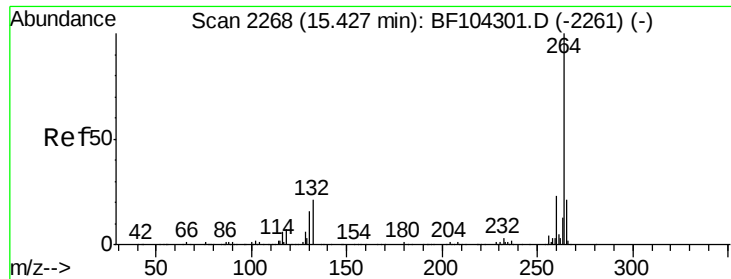


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF104410.D
Acq: 10 Apr 2018 15:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	20.7	17.5	26.3

