

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
 Data File : BF104605.D
 Acq On : 18 Apr 2018 16:51
 Operator : JU/SJ
 Sample : J2428-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 17:27:33 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 11:52:19 2018
 Response via : Initial Calibration

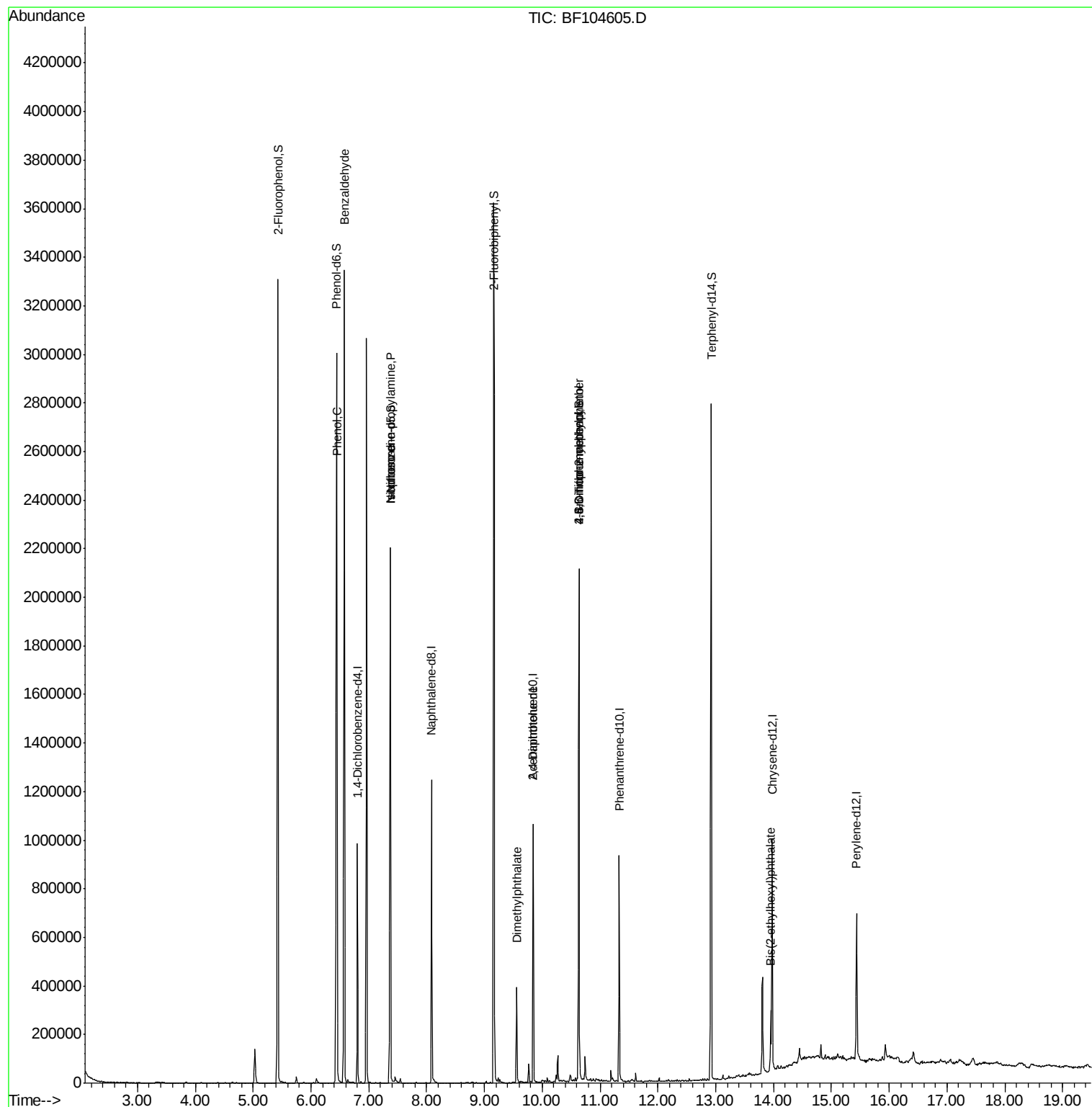
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	134807	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	526898	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	221455	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	339339	20.00	ng	0.00
75) Chrysene-d12	13.97	240	291625	20.00	ng	0.00
86) Perylene-d12	15.44	264	259349	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1084840	123.05	ng	0.01
7) Phenol-d6	6.45	99	1357471	125.32	ng	0.00
23) Nitrobenzene-d5	7.37	82	850066	105.35	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	275346	119.86	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1223114	87.25	ng	0.00
78) Terphenyl-d14	12.92	244	955913	74.73	ng	0.00
Target Compounds						
9) Benzaldehyde	6.58	77	23452	2.014	ng	81
10) Phenol	6.46	94	27780	2.417	ng	100
19) n-Nitroso-di-n-propylamine	7.37	70	112927	15.953	ng	# 72
25) Isophorone	7.37	82	850060	49.818	ng	# 64
49) Dimethylphthalate	9.56	163	152540	8.735	ng	99
56) 2,4-Dinitrotoluene	9.84	165	27524	6.494	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.63	198	568	7.638	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	16047	4.446	ng	# 1
76) Benzidine	12.92	184	12530	Below Cal		96
83) Bis(2-ethylhexyl)phthalate	13.95	149	70224	5.361	ng	99

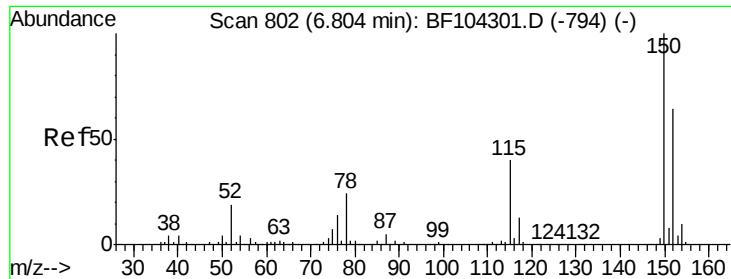
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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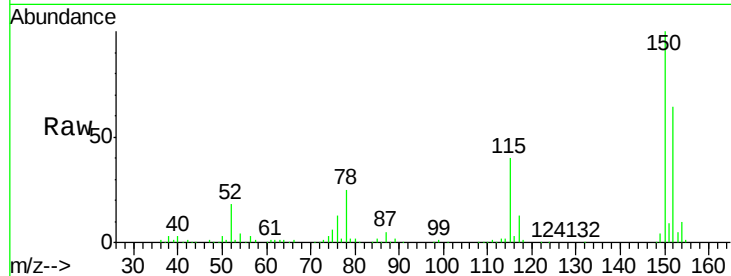


#1

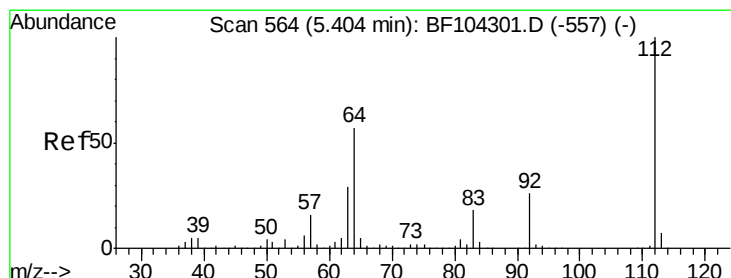
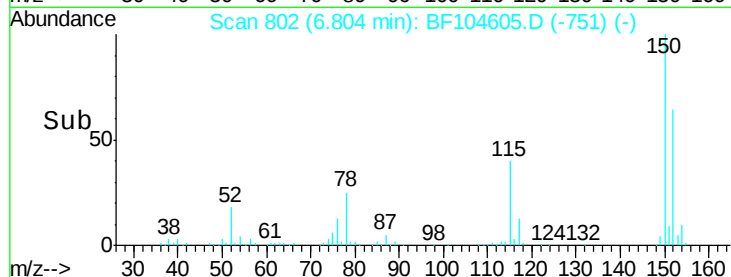
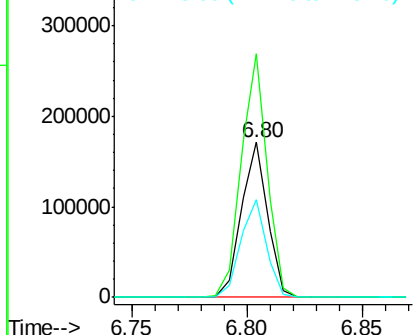
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104605.D
Acq: 18 Apr 2018 16:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134807
Ion Ratio Lower Upper
152 100
150 157.1 124.6 186.8
115 63.0 50.1 75.1



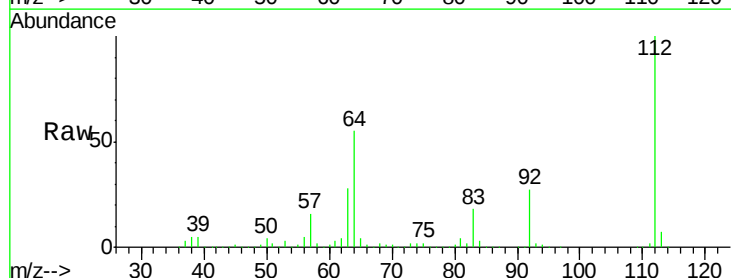
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



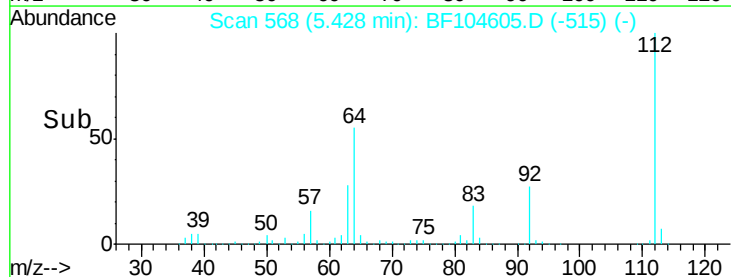
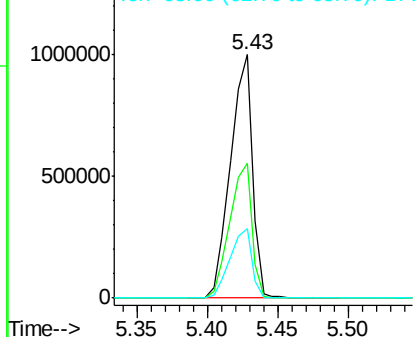
#5

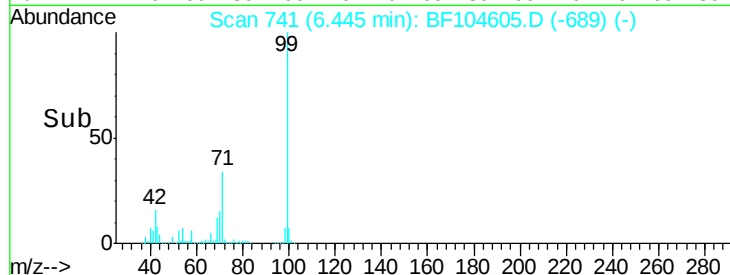
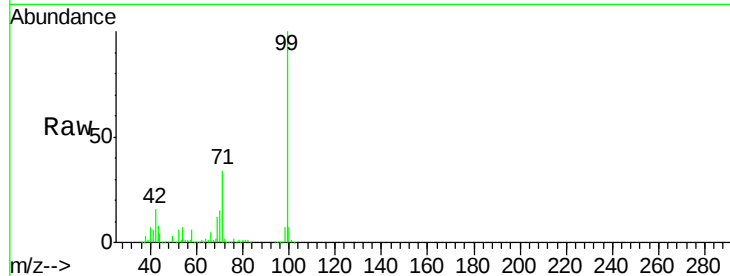
2-Fluorophenol
Concen: 123.049 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104605.D
Acq: 18 Apr 2018 16:51

Tgt Ion:112 Resp: 1084840
Ion Ratio Lower Upper
112 100
64 55.3 47.9 71.9
63 28.3 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: 125.315 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF104605.D

Acq: 18 Apr 2018 16:51

Instrument :

BNA_F

ClientSampled :

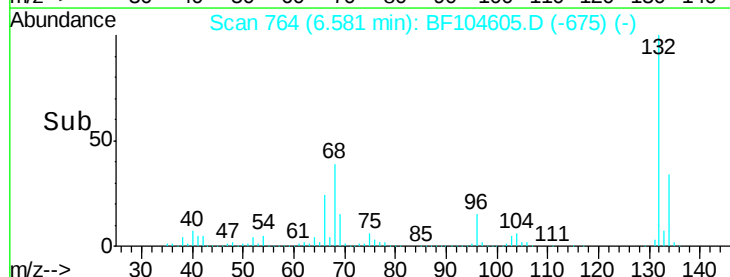
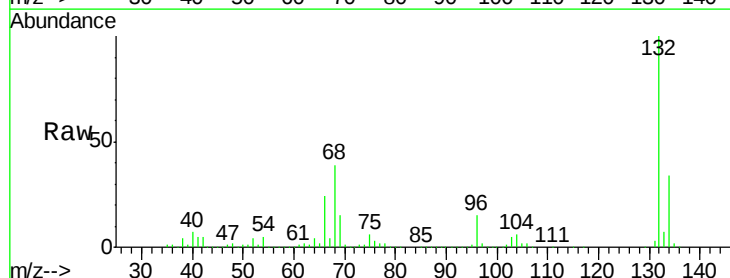
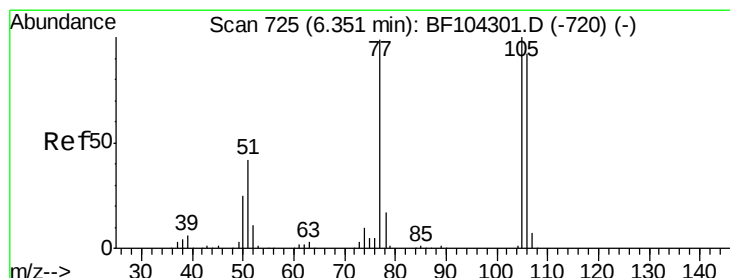
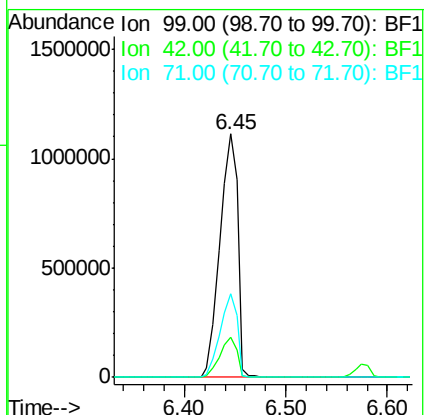
Tot Ion: 99 Resp: 1357471

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

71 34.4 25.4 38.0



#9

Benzaldehyde

Concen: 2.014 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.22 min

Lab File: BF104605.D

Acq: 18 Apr 2018 16:51

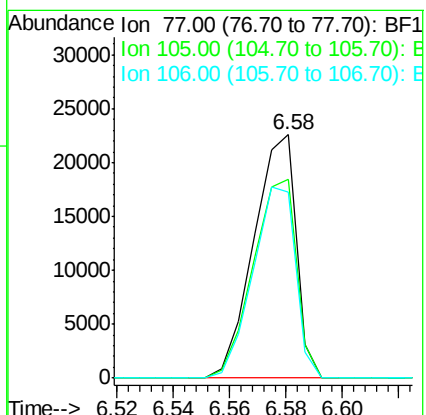
Tgt Ion: 77 Resp: 23452

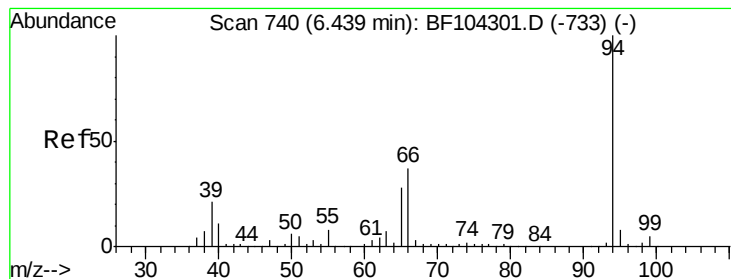
Ion Ratio Lower Upper

77 100

105 81.7 81.1 121.1

106 76.5 74.5 114.5





#10

Phenol

Concen: 2.417 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF104605.D

Acq: 18 Apr 2018 16:51

Instrument :

BNA_F

ClientSampleId :

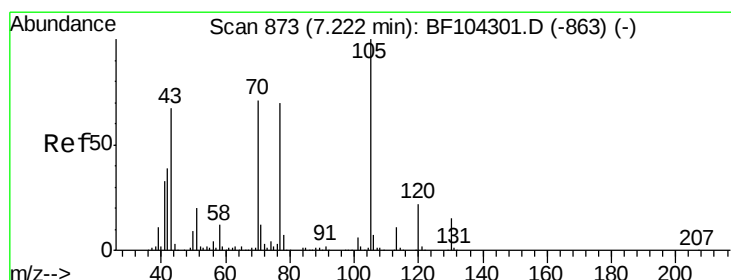
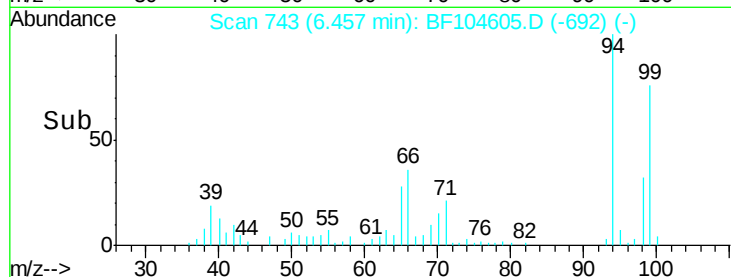
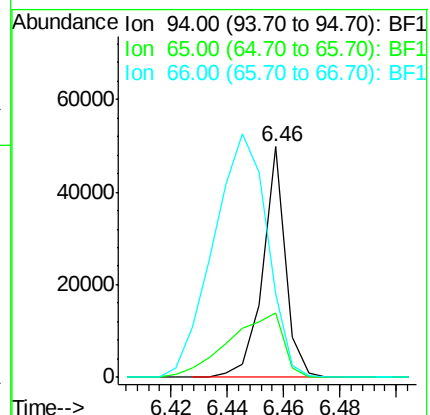
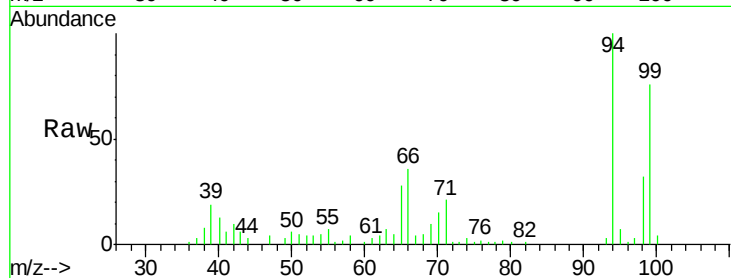
Tot Ion: 94 Resp: 27780

Ion Ratio Lower Upper

94 100

65 27.9 7.9 47.9

66 36.4 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.953 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104605.D

Acq: 18 Apr 2018 16:51

Tgt Ion: 70 Resp: 112927

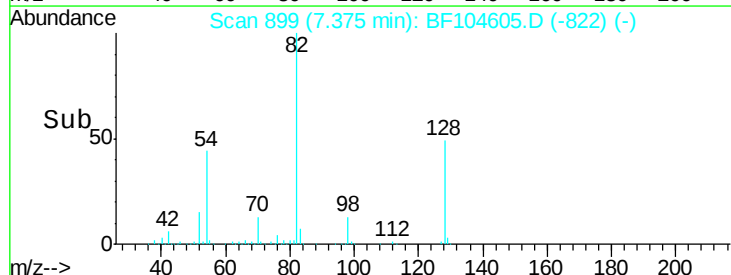
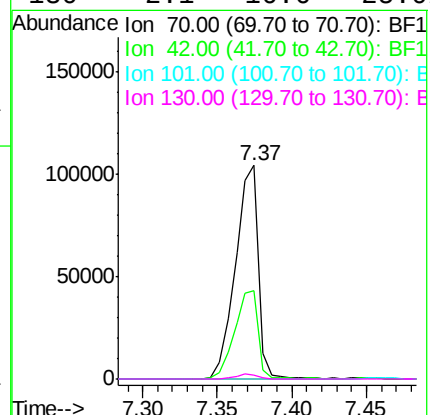
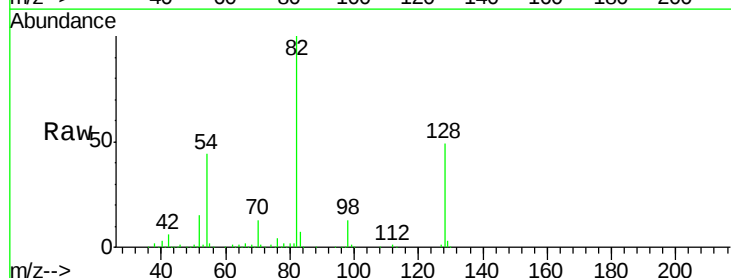
Ion Ratio Lower Upper

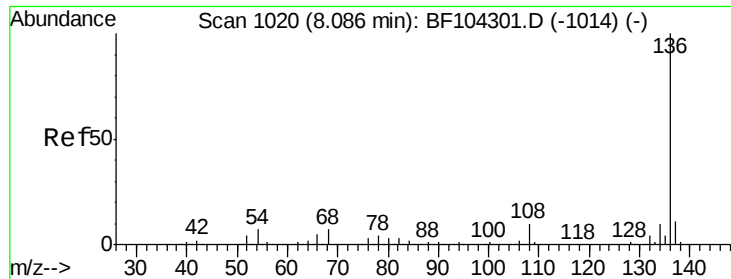
70 100

42 41.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

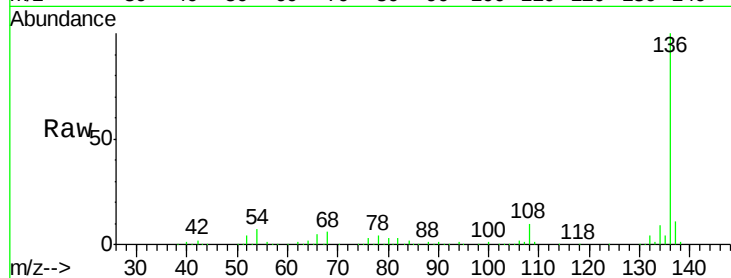




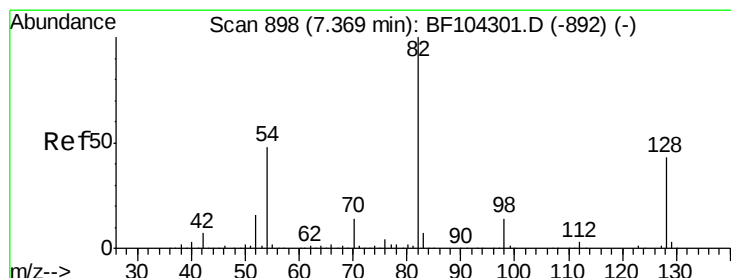
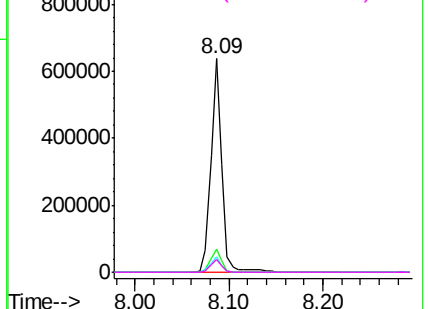
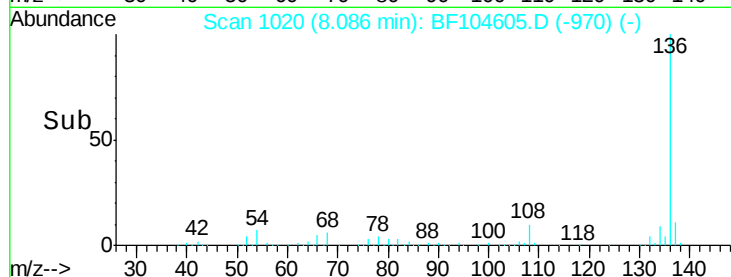
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104605.D
Acq: 18 Apr 2018 16:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	526898
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	7.1	6.6 9.8
68	6.0	5.0 7.4

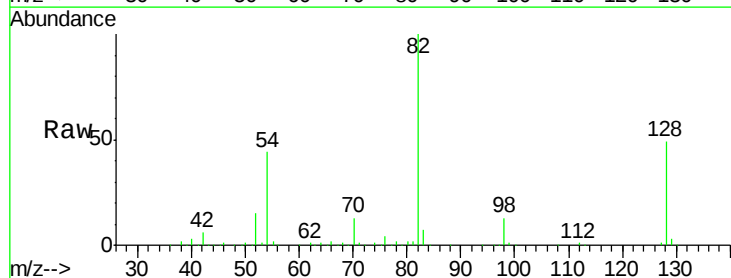


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

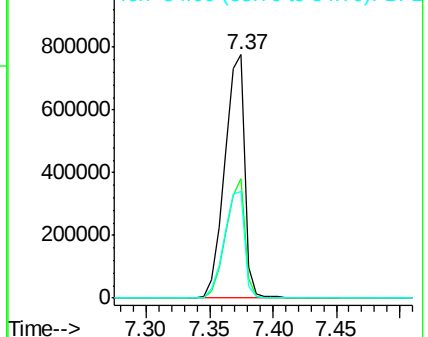
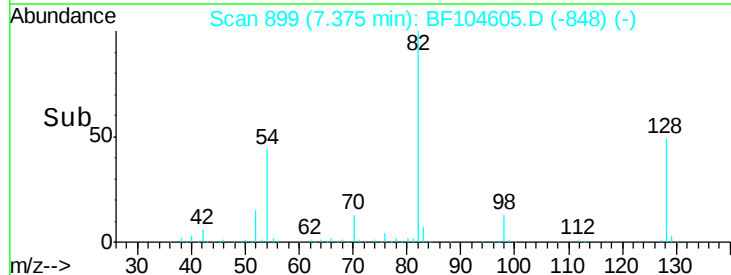


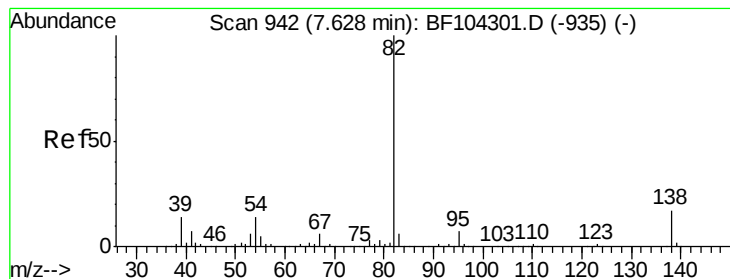
#23
Nitrobenzene-d5
Concen: 105.348 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104605.D
Acq: 18 Apr 2018 16:51

Tgt Ion: 82	Resp:	850066
Ion Ratio	Lower	Upper
82	100	
128	48.9	36.1 54.1
54	43.9	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: 49.818 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104605.D

Acq: 18 Apr 2018 16:51

Instrument :

BNA_F

ClientSampleId :

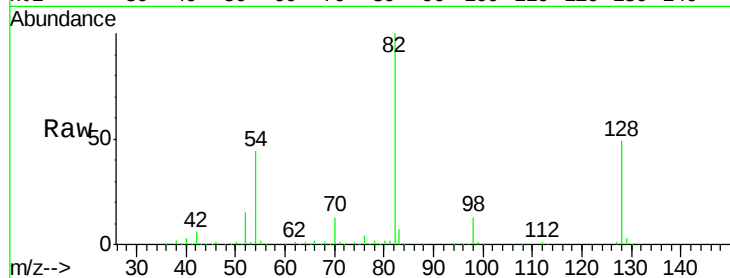
Tot Ion: 82 Resp: 850060

Ion Ratio Lower Upper

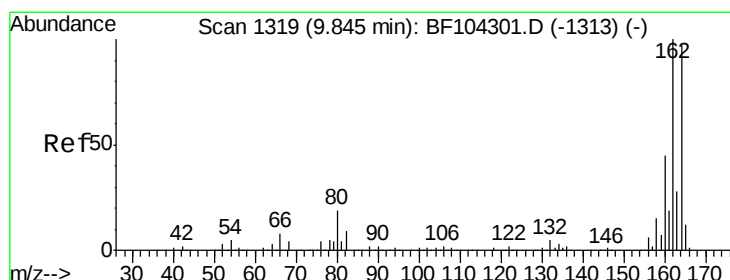
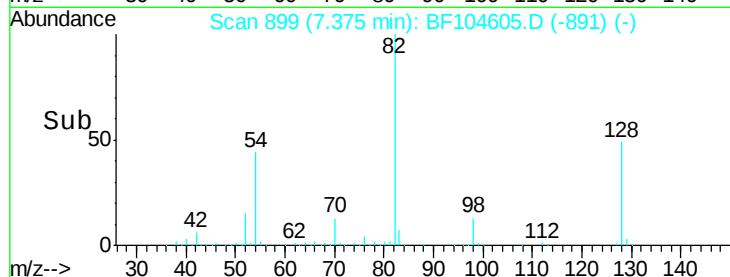
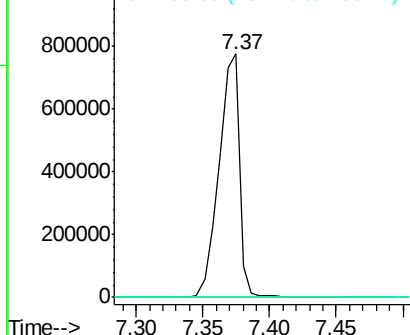
82 100

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: BF104605.D

Acq: 18 Apr 2018 16:51

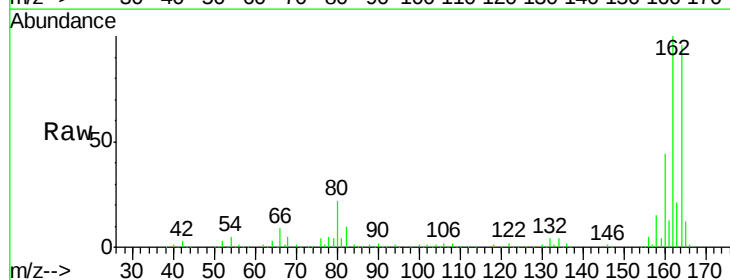
Tgt Ion: 164 Resp: 221455

Ion Ratio Lower Upper

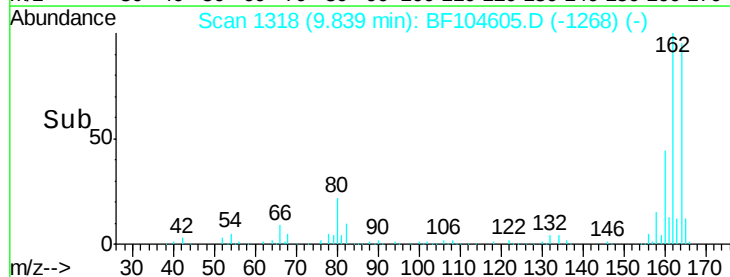
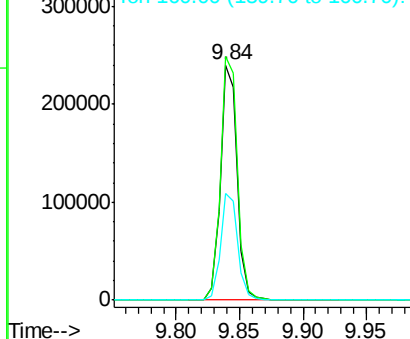
164 100

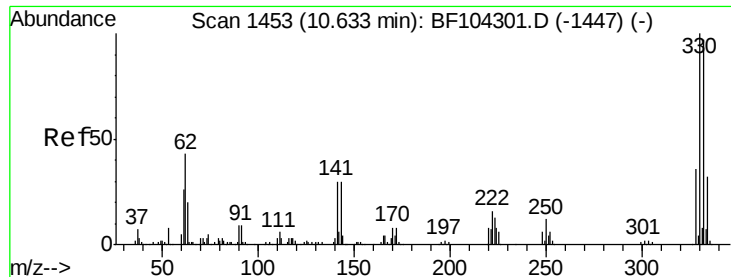
162 103.7 86.1 129.1

160 45.7 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

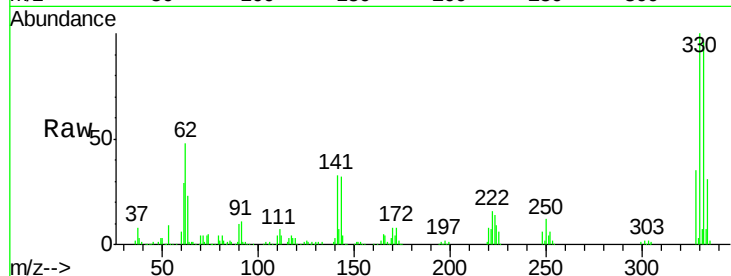




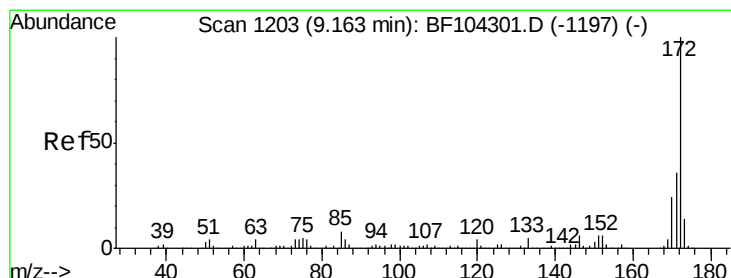
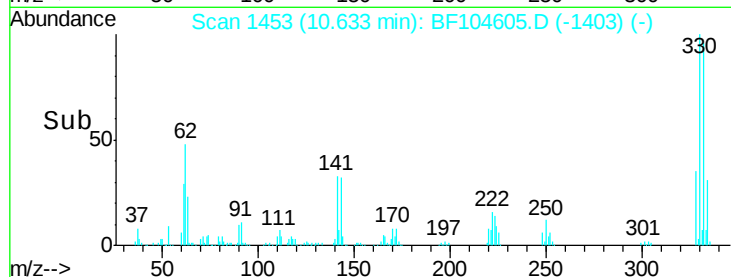
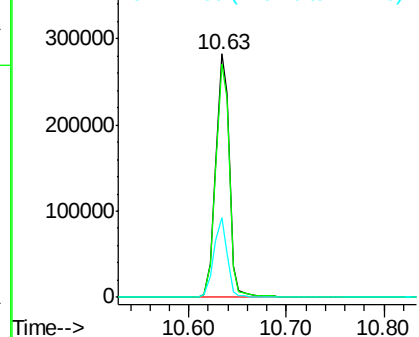
#41
 2,4,6-Tribromophenol
 Concen: 119.861 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104605.D
 Acq: 18 Apr 2018 16:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	32.3	29.9	44.9

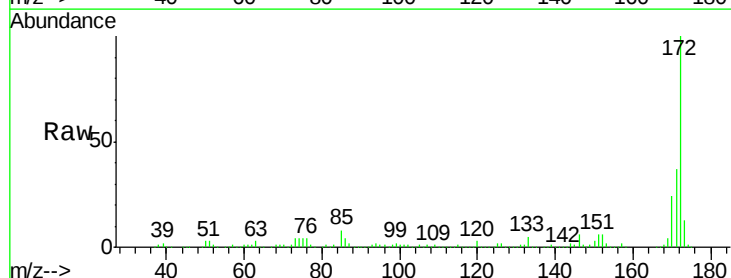


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

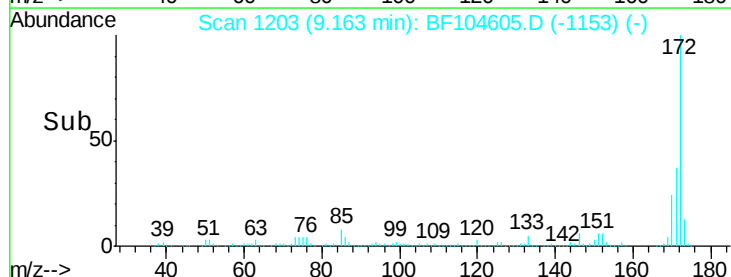
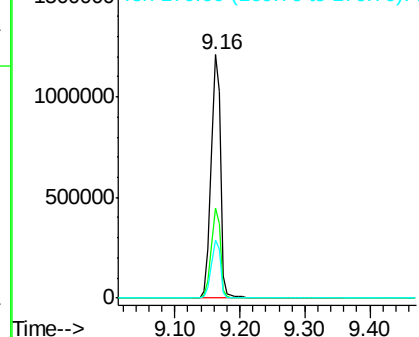


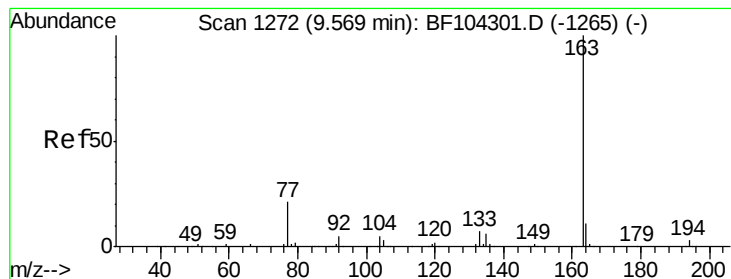
#44
 2-Fluorobiphenyl
 Concen: 87.251 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104605.D
 Acq: 18 Apr 2018 16:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	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





#49

Dimethylphthalate

Concen: 8.735 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104605.D

Acq: 18 Apr 2018 16:51

Instrument :

BNA_F

ClientSampleId :

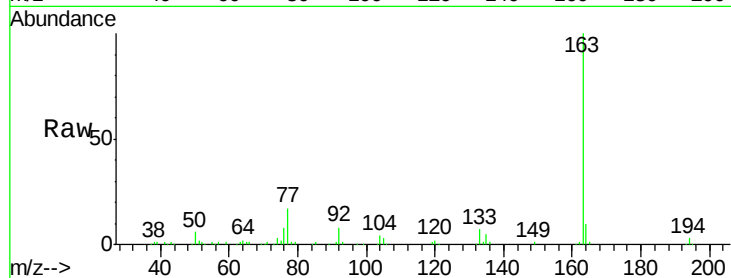
Tot Ion:163 Resp: 152540

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

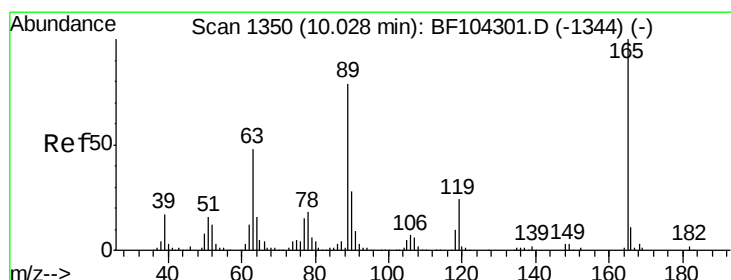
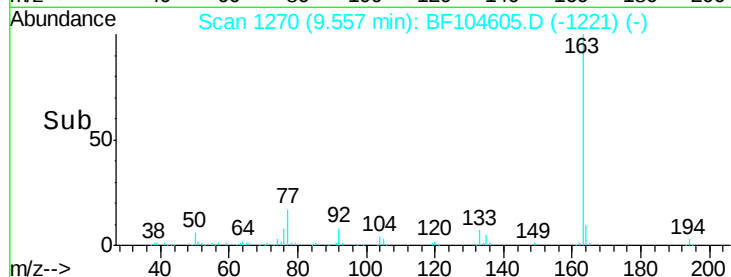
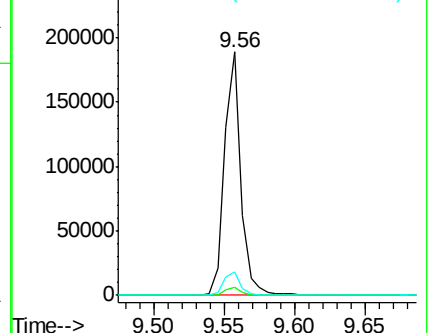
164 9.6 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.494 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.20 min

Lab File: BF104605.D

Acq: 18 Apr 2018 16:51

Tgt Ion:165 Resp: 27524

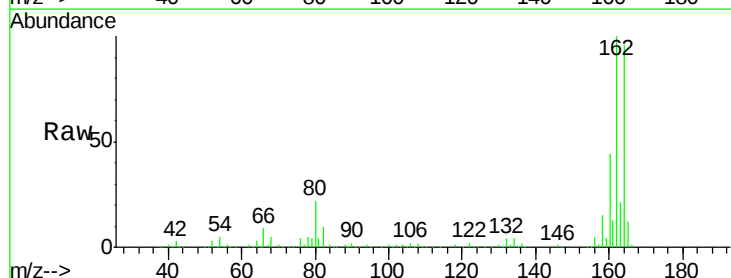
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

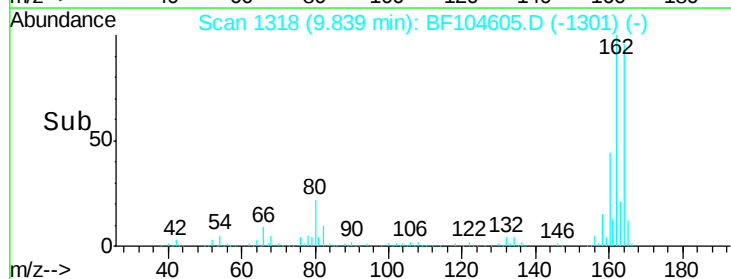
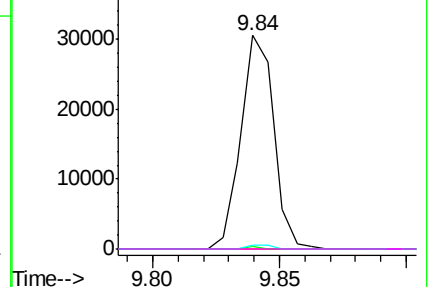


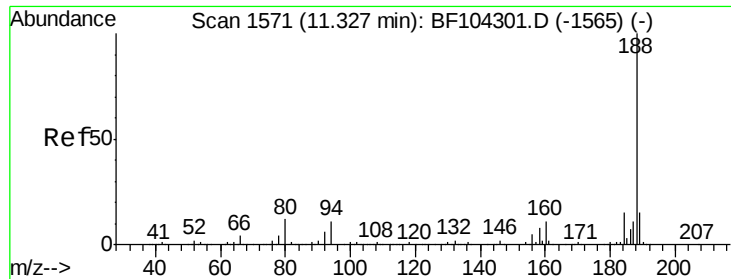
Abundance Ion 165.00 (164.70 to 165.70): E

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

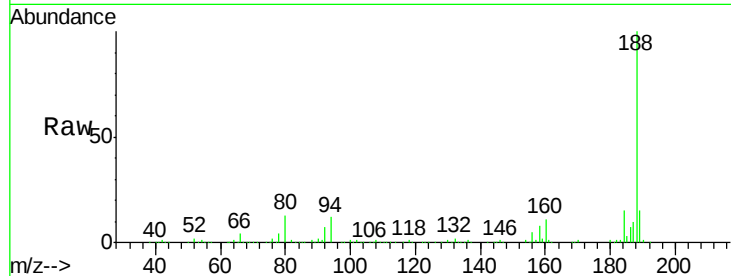




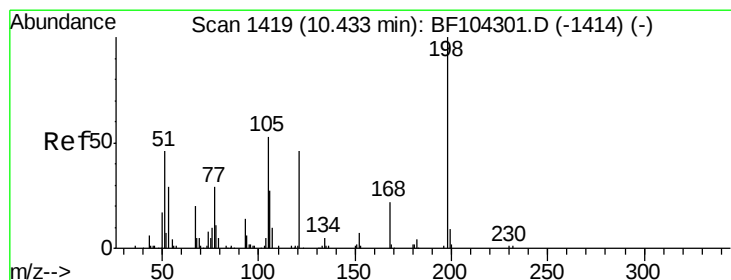
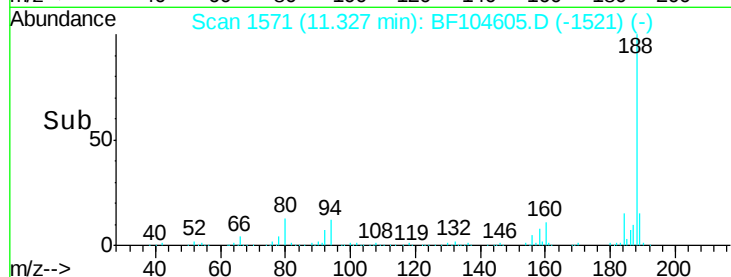
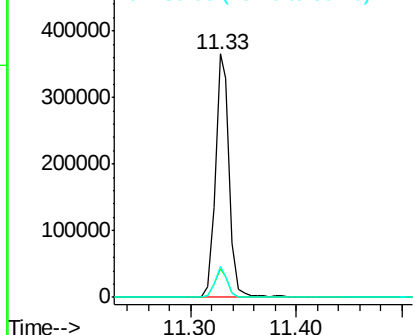
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104605.D
Acq: 18 Apr 2018 16:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 339339
Ion Ratio Lower Upper
188 100
94 11.5 8.5 12.7
80 12.7 9.2 13.8

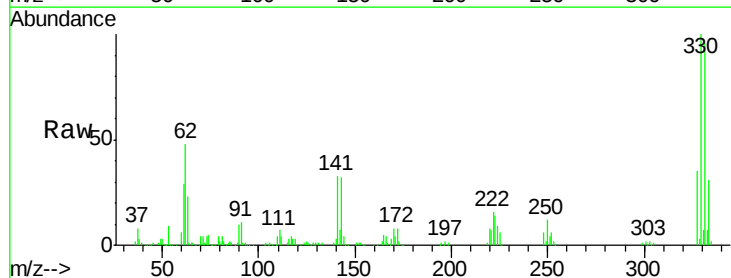


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

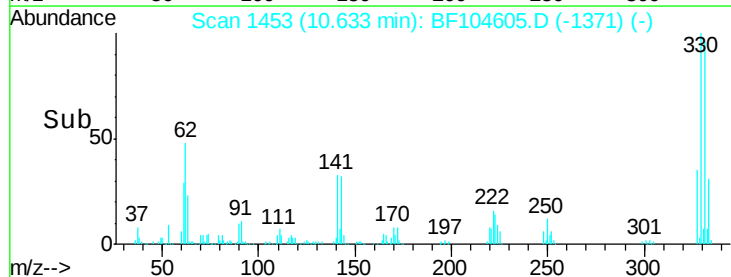
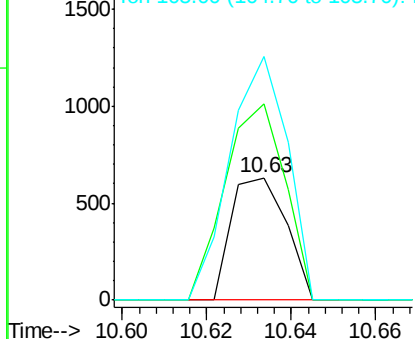


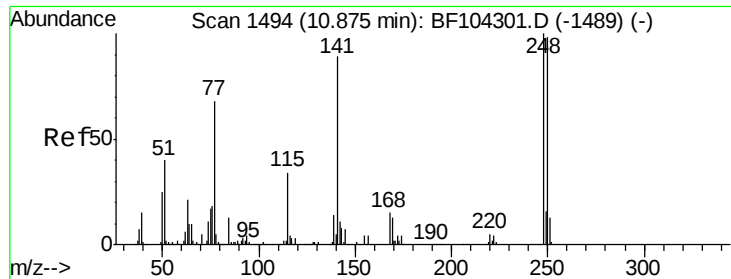
#64
4,6-Dinitro-2-methylphenol
Concen: 7.638 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104605.D
Acq: 18 Apr 2018 16:51

Tgt Ion:198 Resp: 568
Ion Ratio Lower Upper
198 100
51 160.3 37.7 77.7#
105 198.7 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

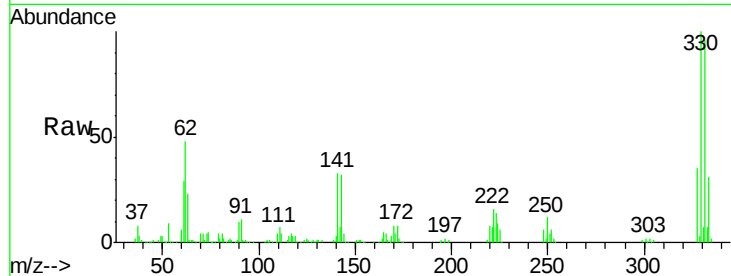




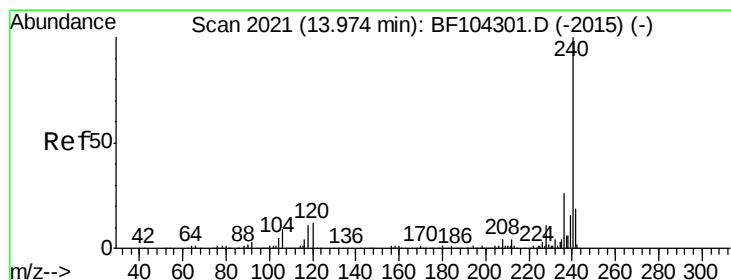
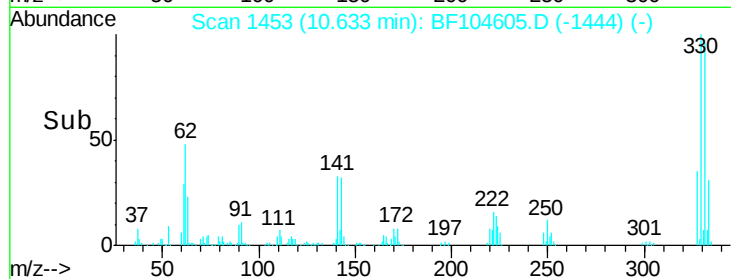
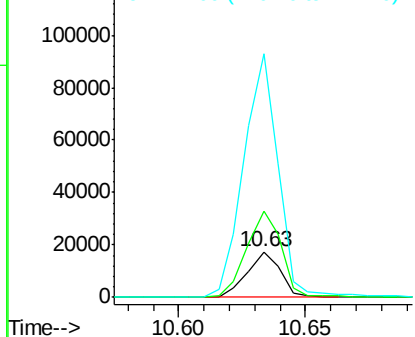
#66
4-Bromophenyl-phenylether
Concen: 4.446 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF104605.D
Acq: 18 Apr 2018 16:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 16047
Ion Ratio Lower Upper
248 100
250 190.6 76.9 115.3#
141 537.2 74.4 111.6#

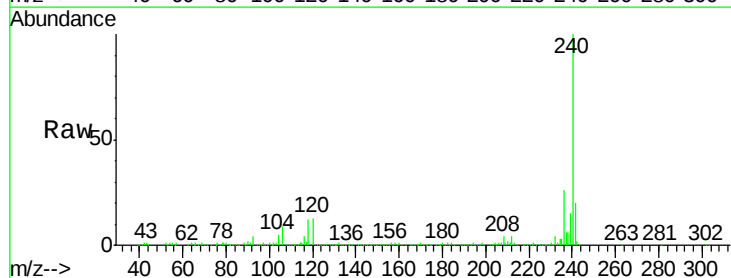


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

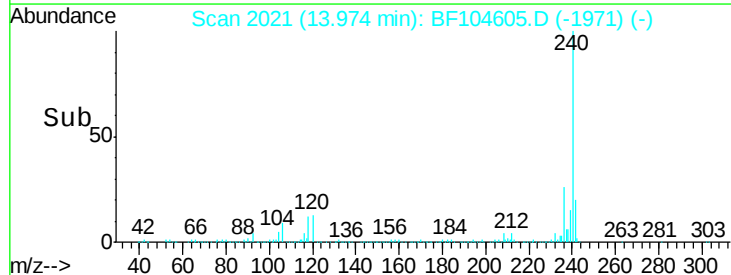
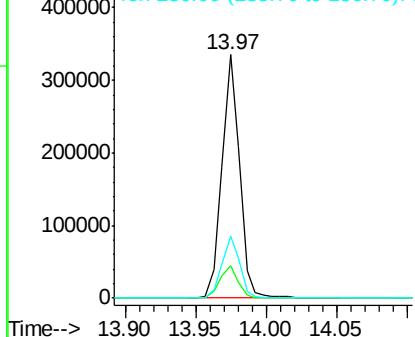


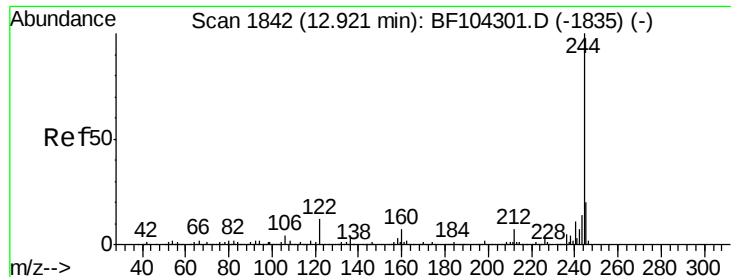
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF104605.D
Acq: 18 Apr 2018 16:51

Tgt Ion:240 Resp: 291625
Ion Ratio Lower Upper
240 100
120 13.1 9.5 14.3
236 25.6 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: 74.730 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104605.D

Acq: 18 Apr 2018 16:51

Instrument :

BNA_F

ClientSampleId :

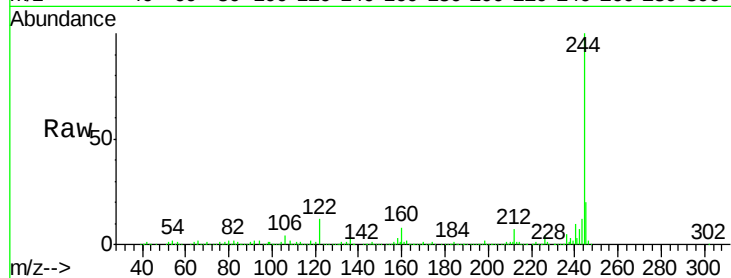
Tot Ion:244 Resp: 955913

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

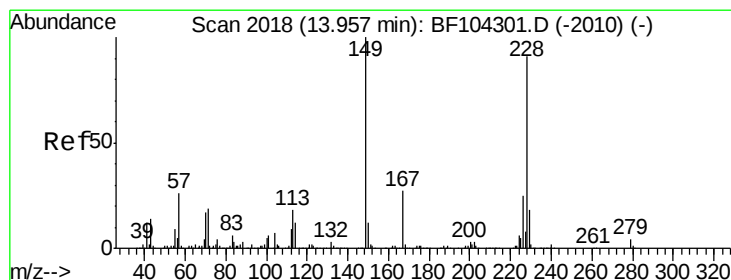
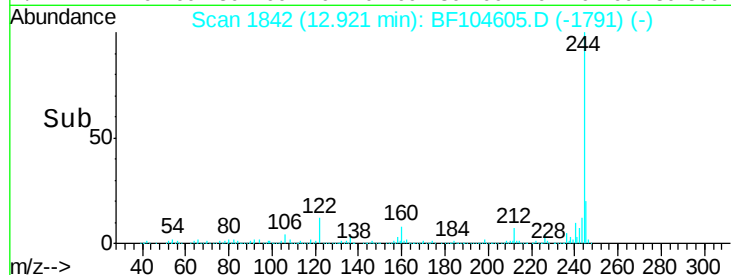
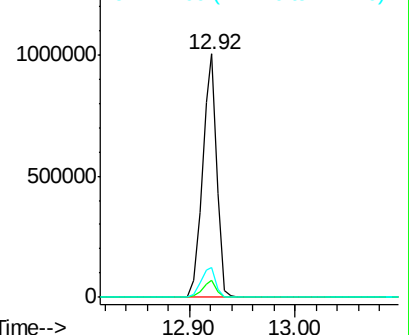
122 12.1 11.0 16.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.361 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BF104605.D

Acq: 18 Apr 2018 16:51

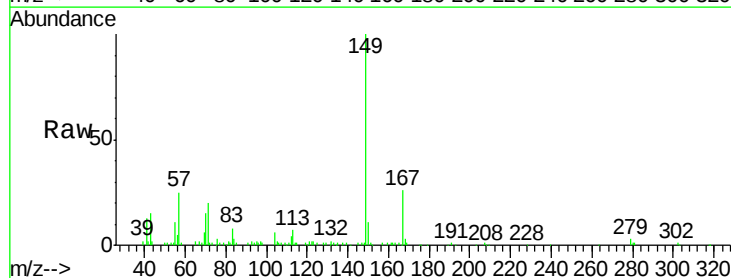
Tgt Ion:149 Resp: 70224

Ion Ratio Lower Upper

149 100

167 26.3 21.3 31.9

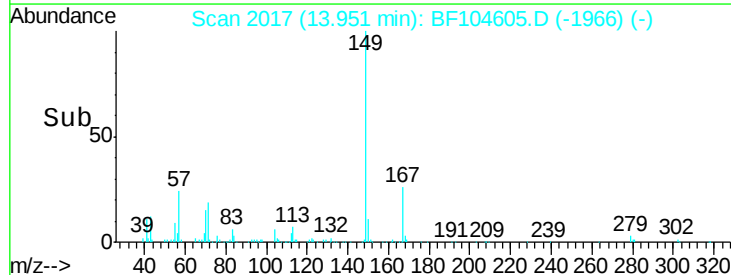
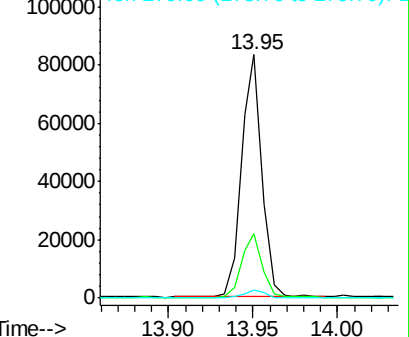
279 3.2 3.0 4.4

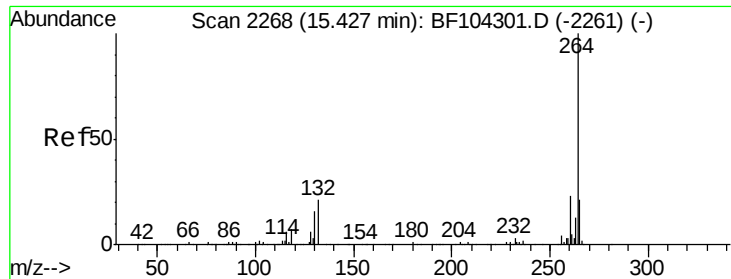


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF104605.D
Acq: 18 Apr 2018 16:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	23.1	17.5	26.3

