

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104519.D
 Acq On : 14 Apr 2018 11:33
 Operator : JU/SJ
 Sample : J2368-13
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 16 00:42:51 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

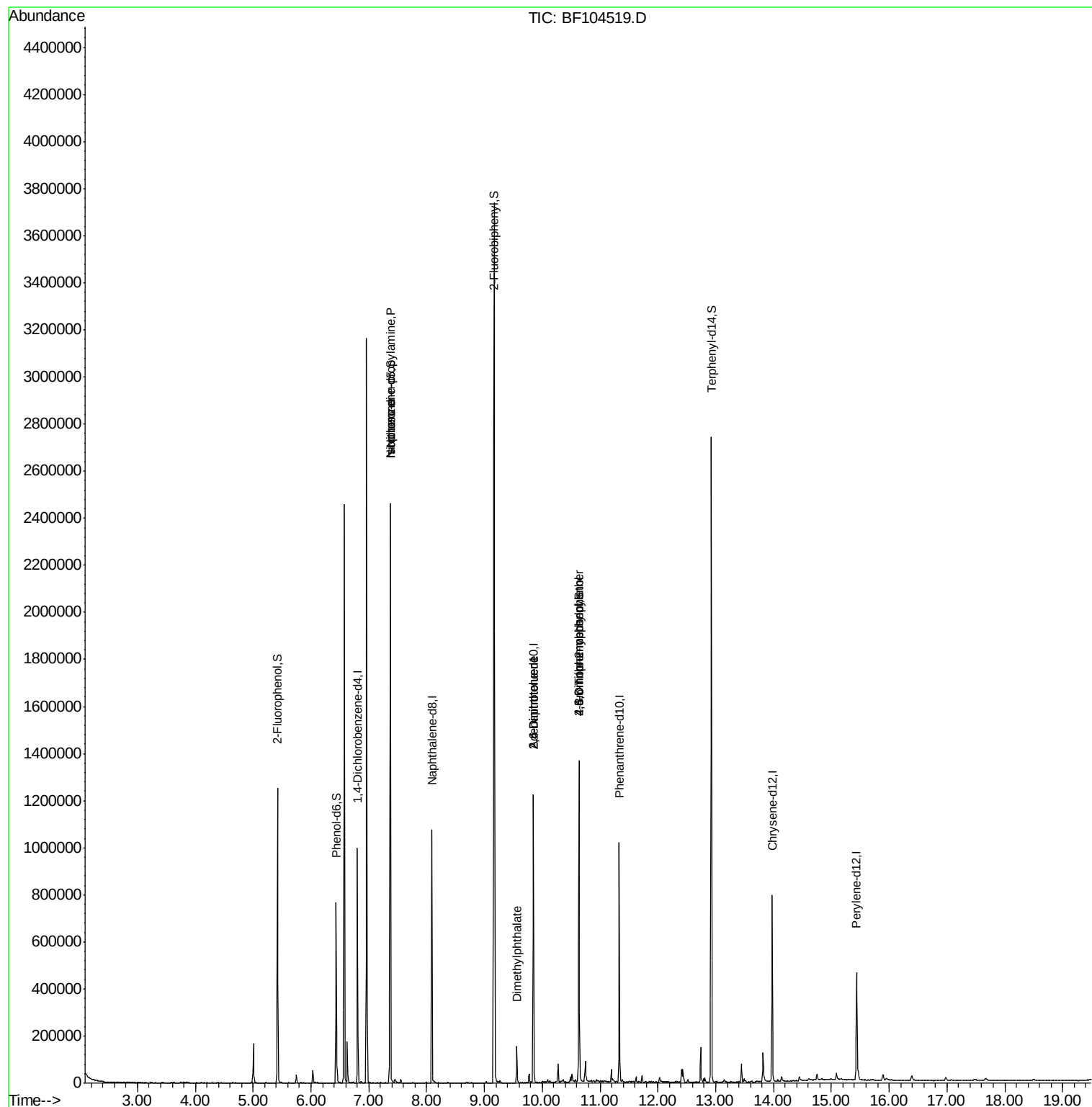
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	146243	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	504922	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	227157	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	327697	20.00	ng	-0.01
75) Chrysene-d12	13.97	240	265767	20.00	ng	-0.02
86) Perylene-d12	15.44	264	205502	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	350582	36.66	ng	0.00
7) Phenol-d6	6.43	99	261857	22.28	ng	-0.01
23) Nitrobenzene-d5	7.37	82	856163	110.72	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	170875	72.52	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1197058	83.25	ng	0.00
78) Terphenyl-d14	12.93	244	973142	83.48	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	110779	14.426	ng	# 74
25) Isophorone	7.37	82	856157	52.359	ng	# 64
49) Dimethylphthalate	9.56	163	64693	3.611	ng	# 99
50) 2,6-Dinitrotoluene	9.85	165	28425	8.576	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	28425	6.538	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	274	7.492	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	10648	3.055	ng	# 1
76) Benzidine	12.92	184	12426	Below Cal		98

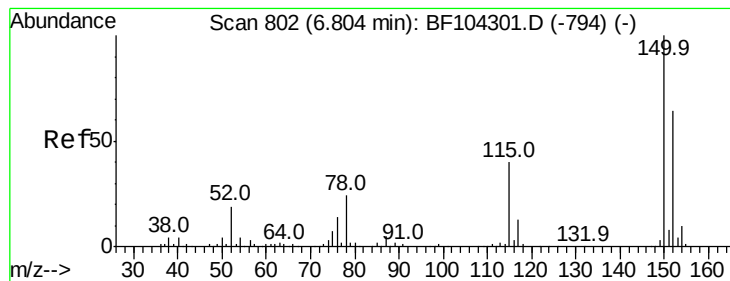
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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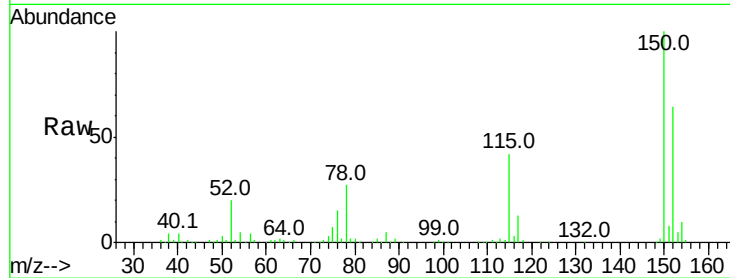


#1

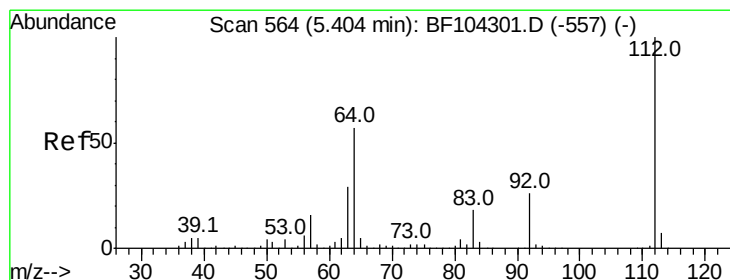
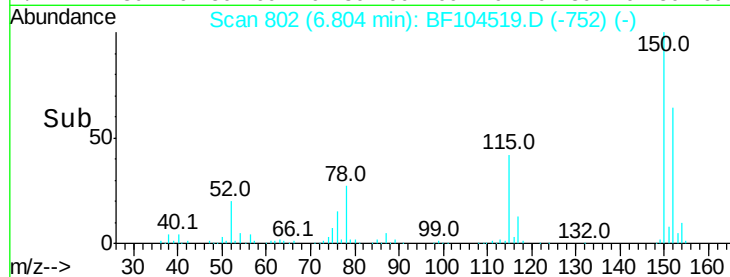
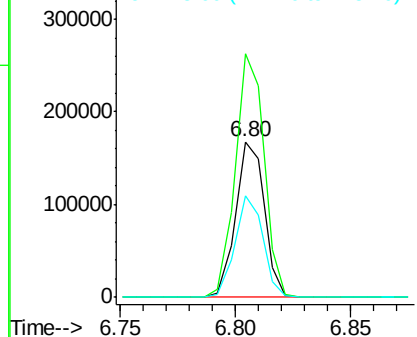
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF104519.D
Acq: 14 Apr 2018 11:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 146243
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 65.1 50.1 75.1



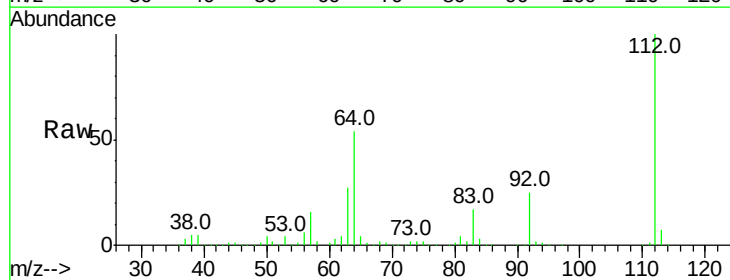
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



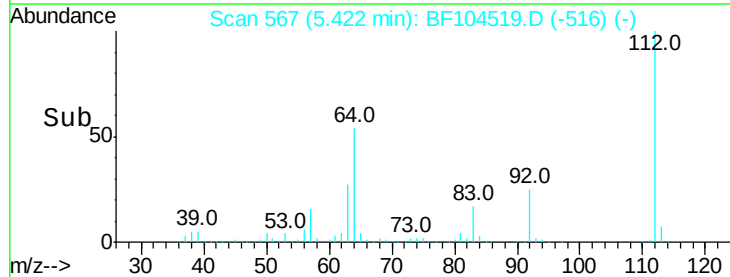
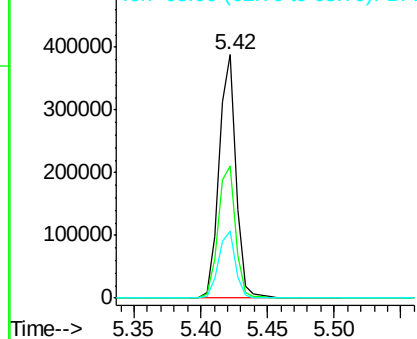
#5

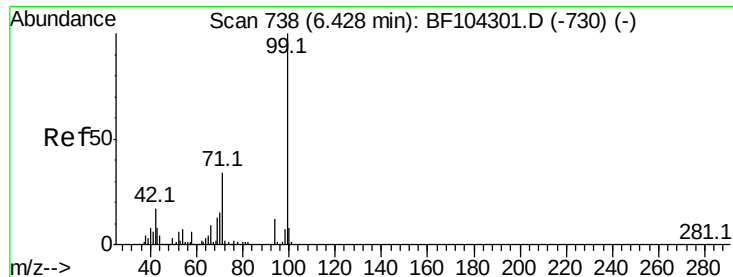
2-Fluorophenol
Concen: 36.655 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.00 min
Lab File: BF104519.D
Acq: 14 Apr 2018 11:33

Tgt Ion:112 Resp: 350582
Ion Ratio Lower Upper
112 100
64 54.2 47.9 71.9
63 27.3 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: 22.283 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104519.D

Acq: 14 Apr 2018 11:33

Instrument :

BNA_F

ClientSampleId :

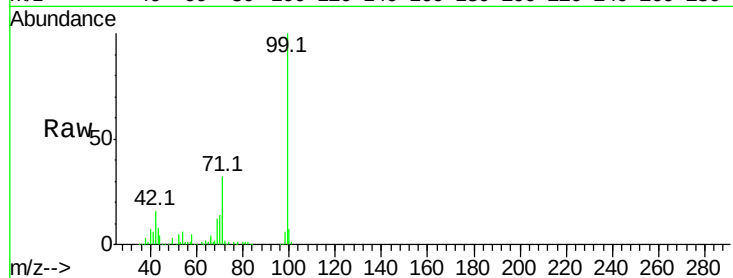
Tot Ion: 99 Resp: 261857

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

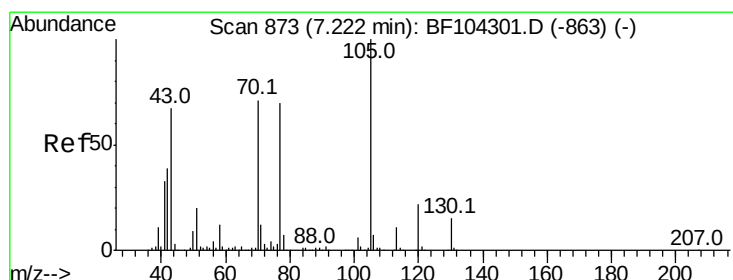
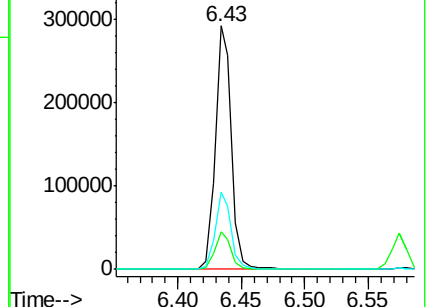
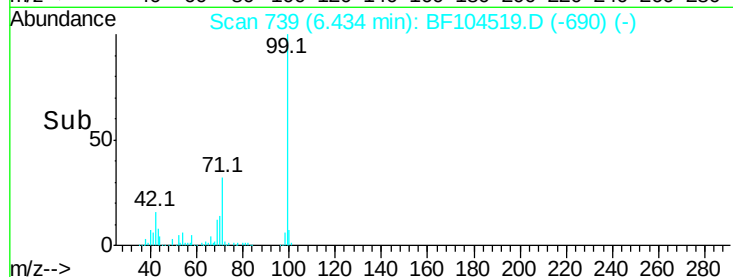
71 31.6 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.426 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104519.D

Acq: 14 Apr 2018 11:33

Tgt Ion: 70 Resp: 110779

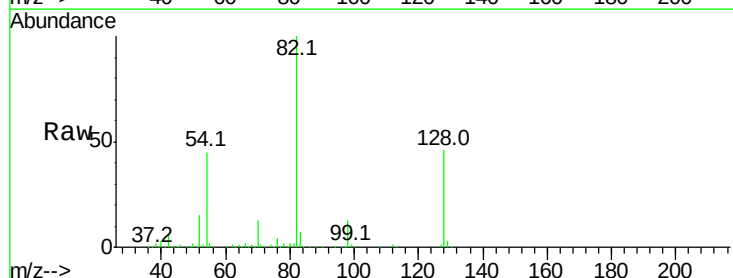
Ion Ratio Lower Upper

70 100

42 43.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

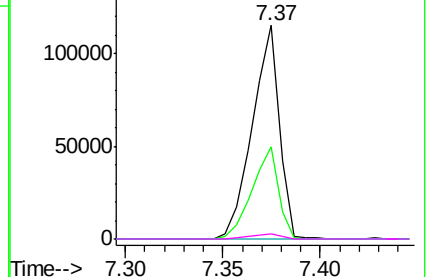
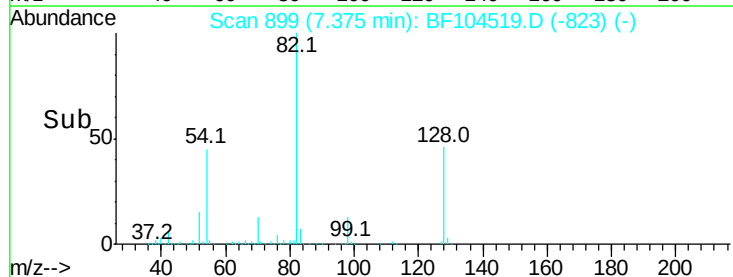


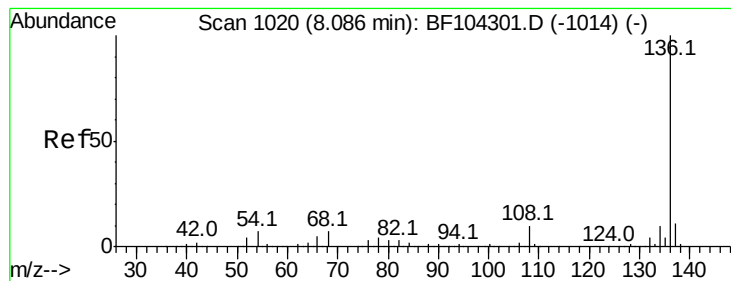
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF104519.D

Acq: 14 Apr 2018 11:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 504922

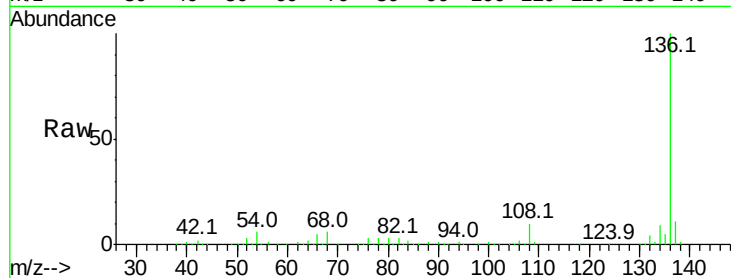
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 6.2 6.6 9.8#

68 5.6 5.0 7.4

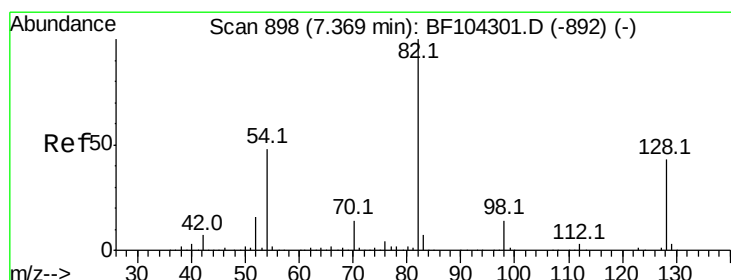
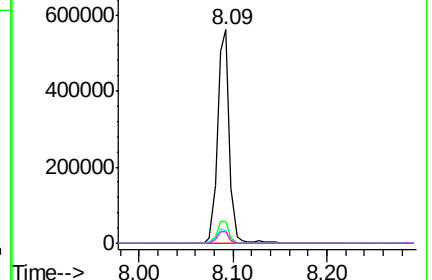
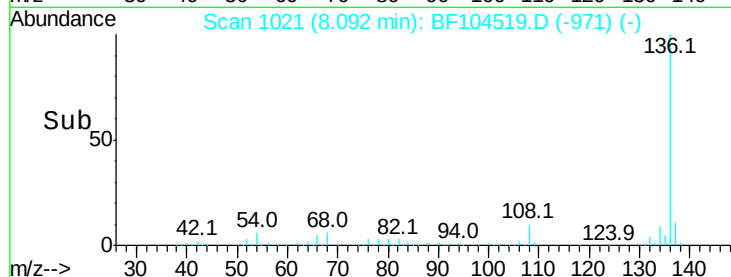


Abundance Ion 136.00 (135.70 to 136.70): E

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: 110.722 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF104519.D

Acq: 14 Apr 2018 11:33

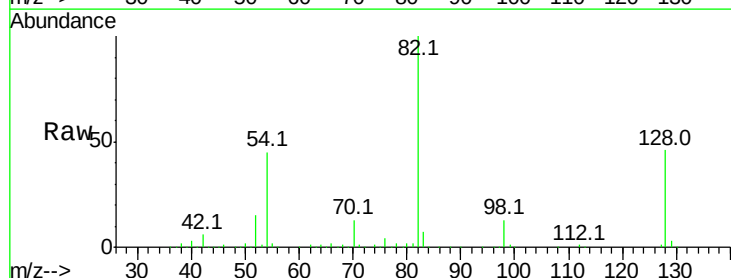
Tgt Ion: 82 Resp: 856163

Ion Ratio Lower Upper

82 100

128 46.0 36.1 54.1

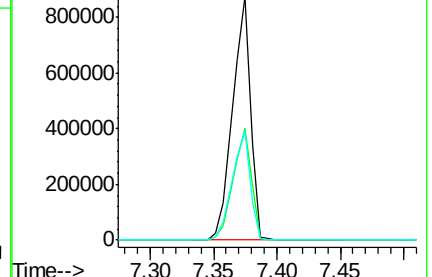
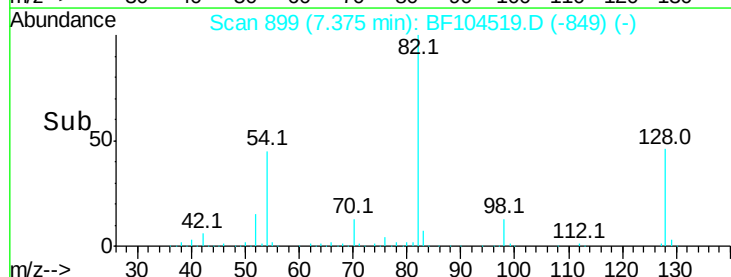
54 44.9 41.4 62.2

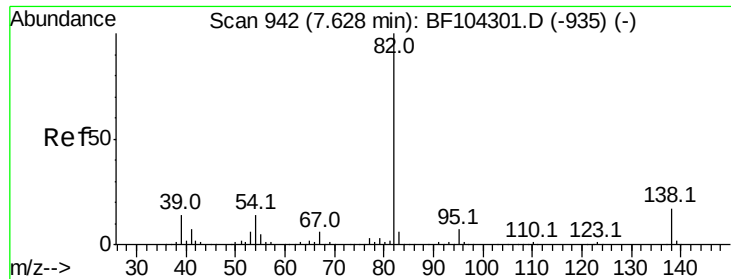


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

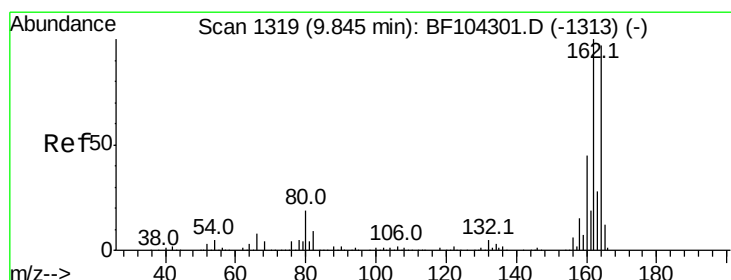
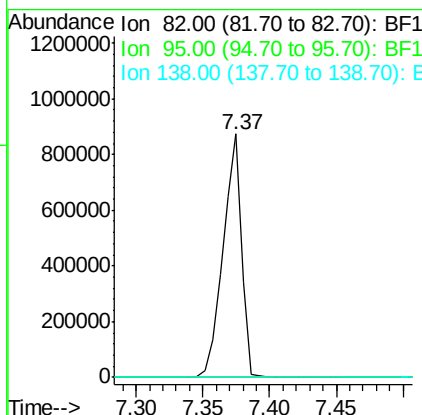
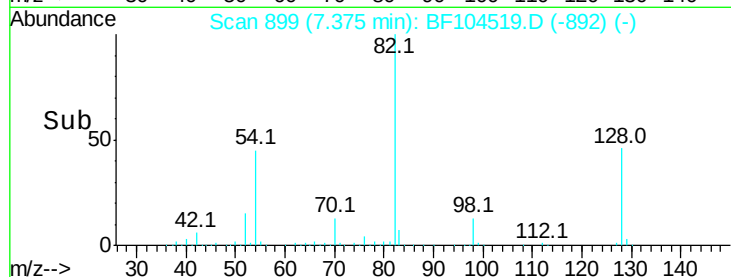
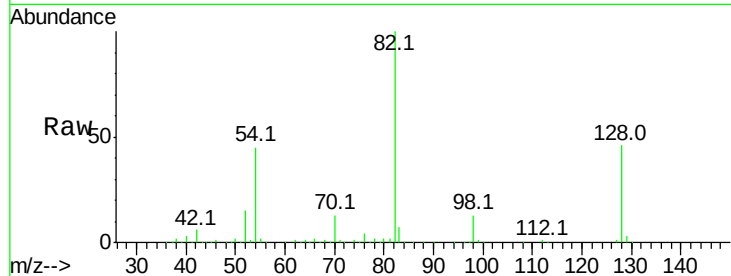




#25
Isophorone
Concen: 52.359 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF104519.D
Acq: 14 Apr 2018 11:33

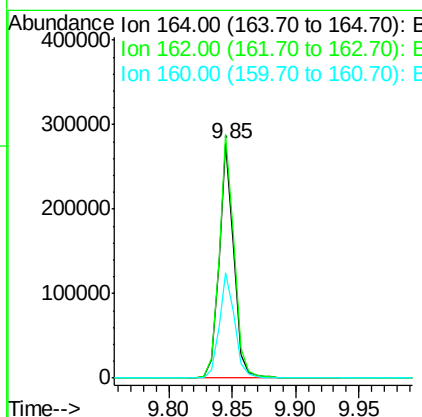
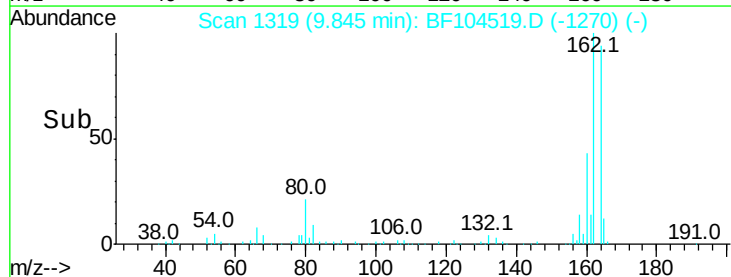
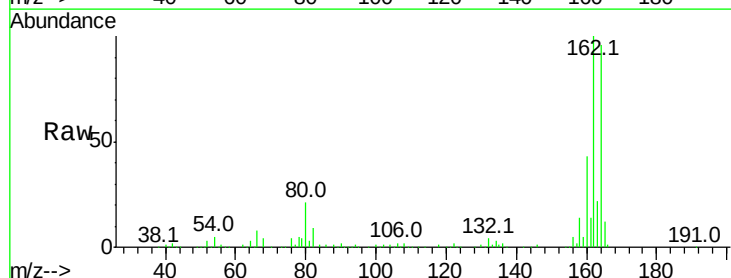
Instrument :
BNA_F
ClientSampled :

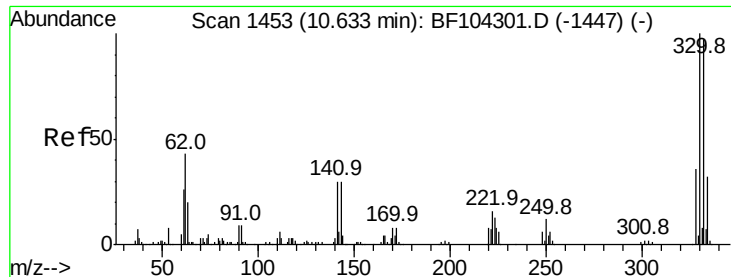
Tot Ion: 82 Resp: 856157
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF104519.D
Acq: 14 Apr 2018 11:33

Tgt Ion:164 Resp: 227157
Ion Ratio Lower Upper
164 100
162 103.9 86.1 129.1
160 45.2 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 72.516 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF104519.D

Acq: 14 Apr 2018 11:33

Instrument :

BNA_F

ClientSampled :

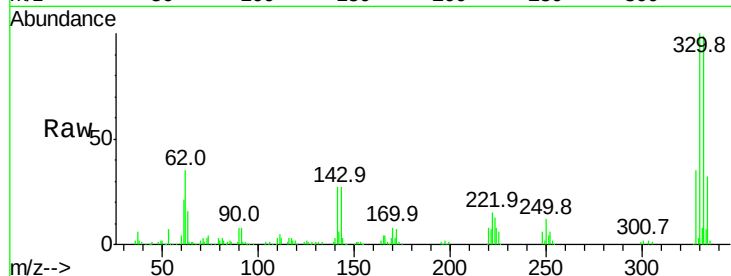
Tot Ion:330 Resp: 170875

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

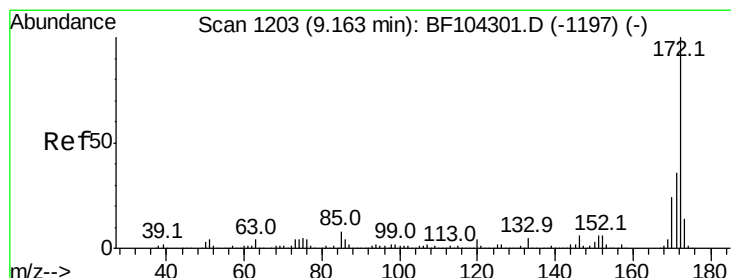
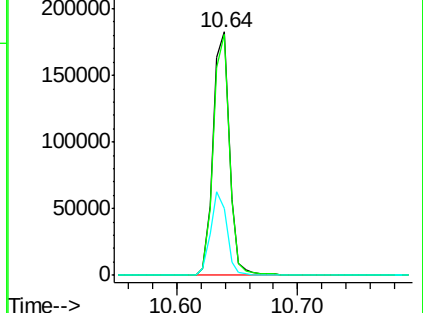
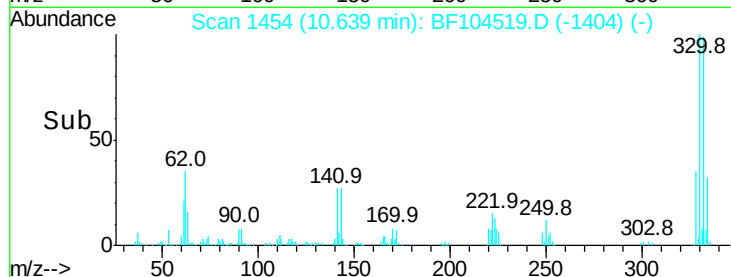
141 33.9 29.9 44.9



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: 83.249 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF104519.D

Acq: 14 Apr 2018 11:33

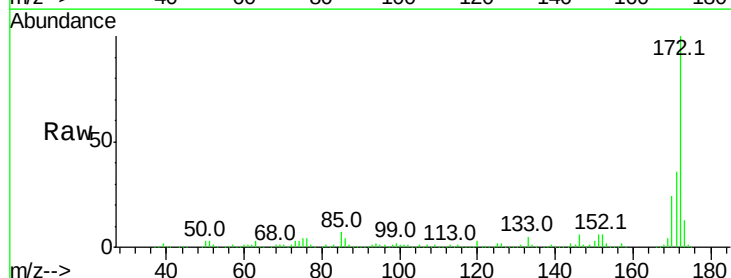
Tgt Ion:172 Resp: 1197058

Ion Ratio Lower Upper

172 100

171 36.2 29.7 44.5

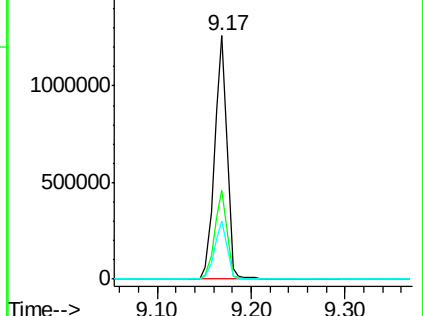
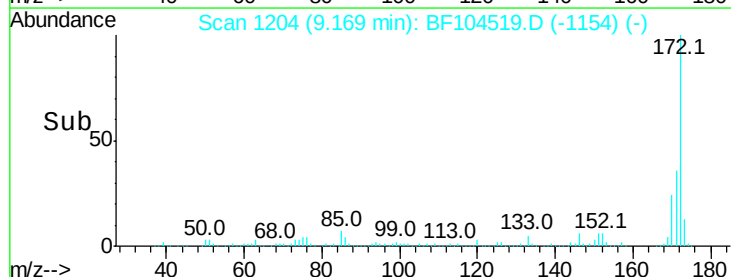
170 23.8 19.6 29.4

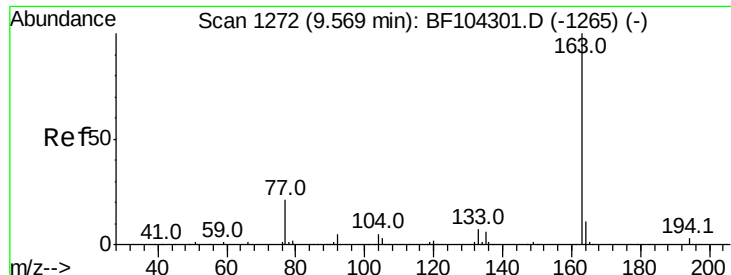


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

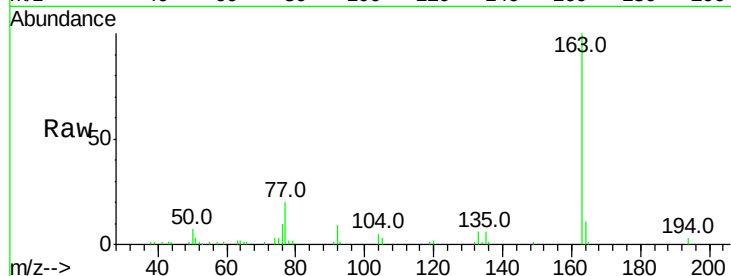




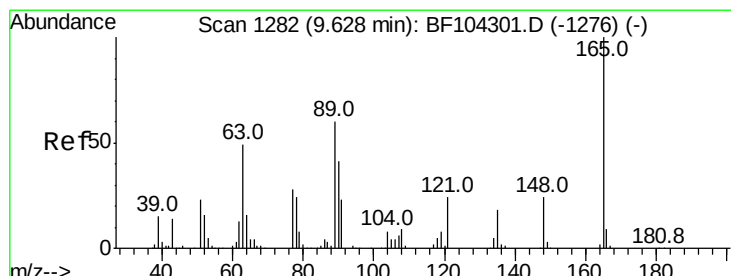
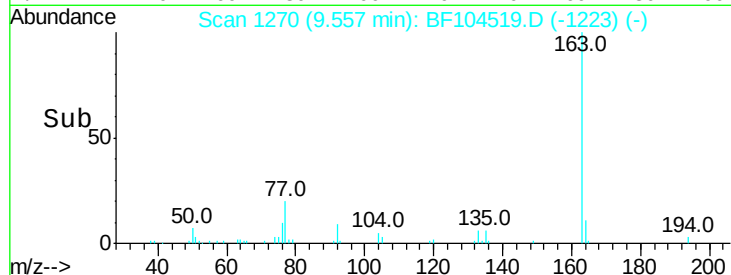
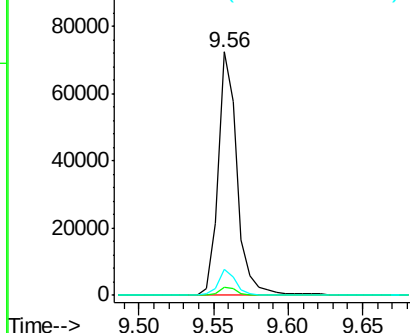
#49
 Dimethylphthalate
 Concen: 3.611 ng
 RT: 9.56 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: BF104519.D
 Acq: 14 Apr 2018 11:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:163 Resp: 64693
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.7 4.1
 164 10.7 8.2 12.2

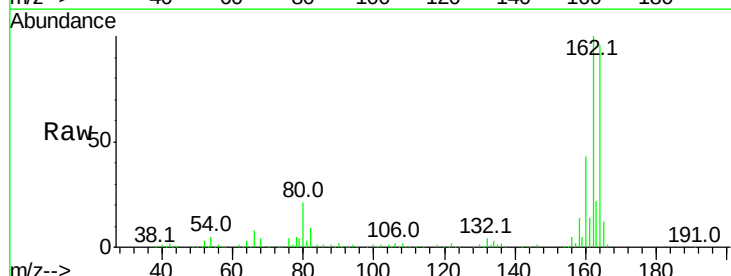


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

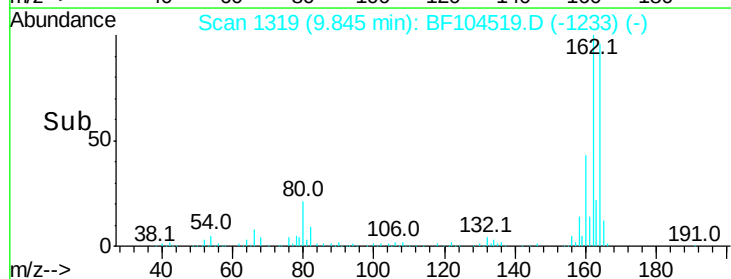
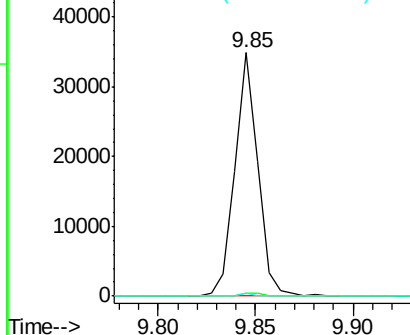


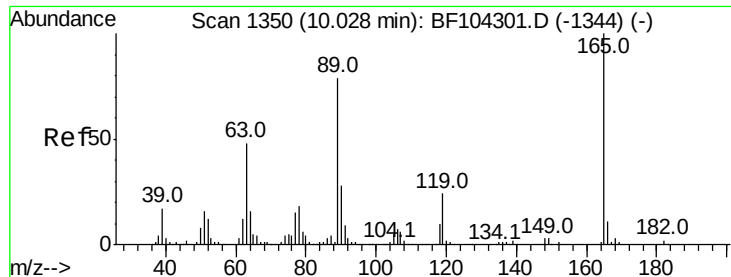
#50
 2,6-Dinitrotoluene
 Concen: 8.576 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF104519.D
 Acq: 14 Apr 2018 11:33

Tgt Ion:165 Resp: 28425
 Ion Ratio Lower Upper
 165 100
 63 1.4 44.7 67.1#
 89 1.3 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

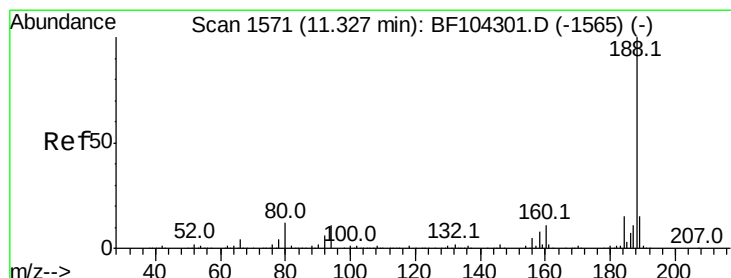
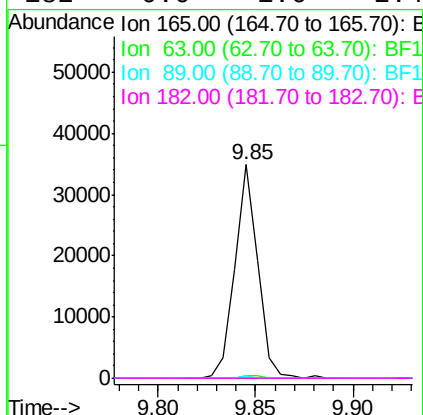
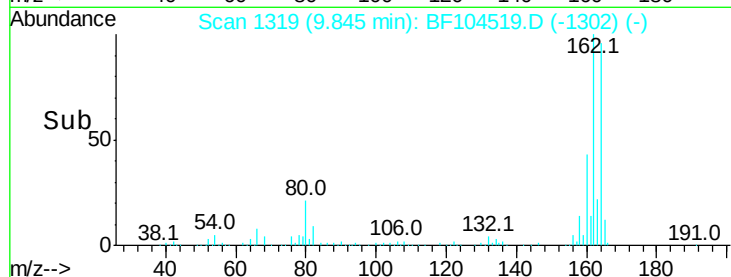
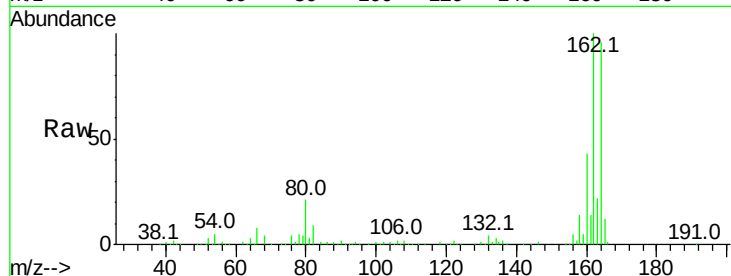




#56
 2,4-Dinitrotoluene
 Concen: 6.538 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF104519.D
 Acq: 14 Apr 2018 11:33

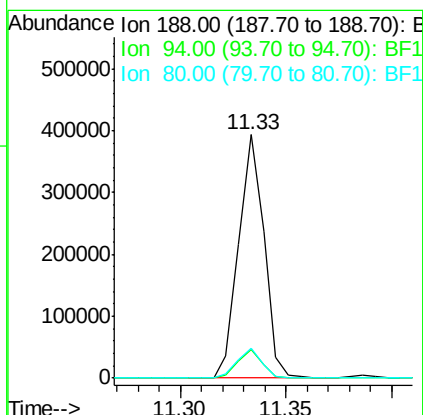
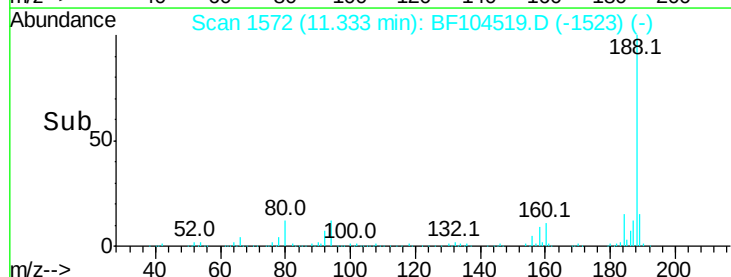
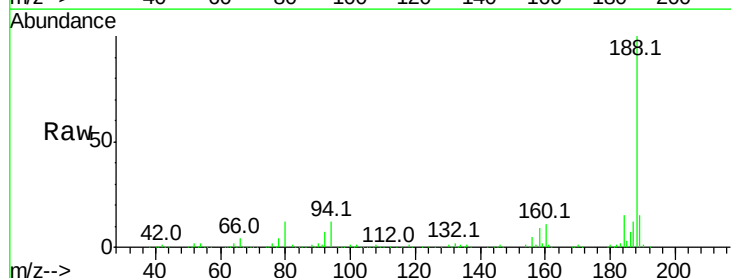
Instrument :
 BNA_F
 ClientSampled :

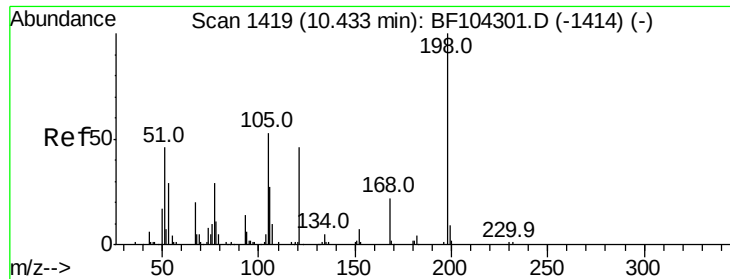
Tot Ion:	165	Resp:	28425
Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF104519.D
 Acq: 14 Apr 2018 11:33

Tgt Ion:	188	Resp:	327697
Ion	Ratio	Lower	Upper
188	100		
94	11.8	8.5	12.7
80	12.3	9.2	13.8

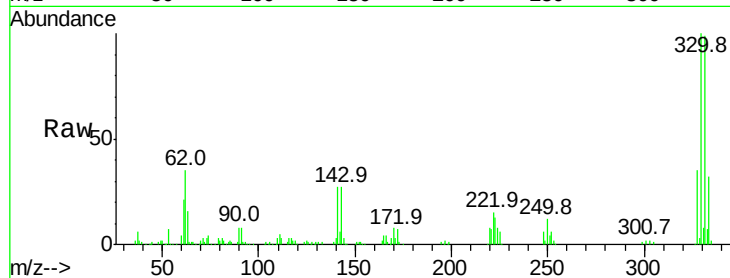




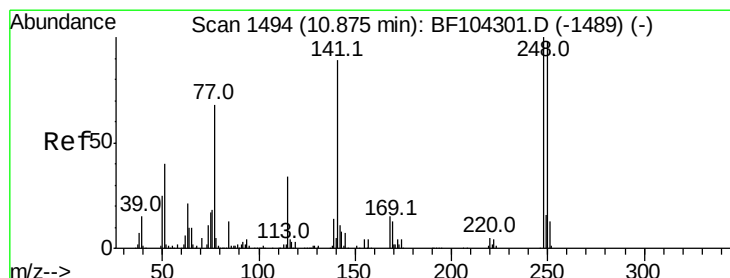
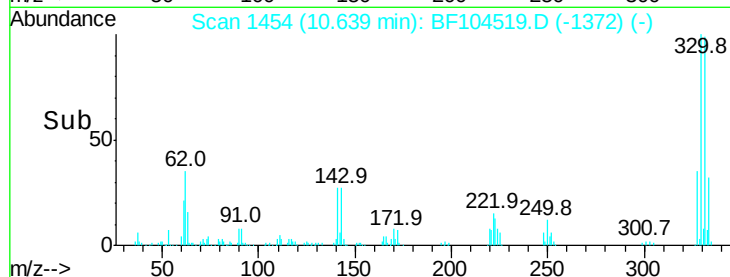
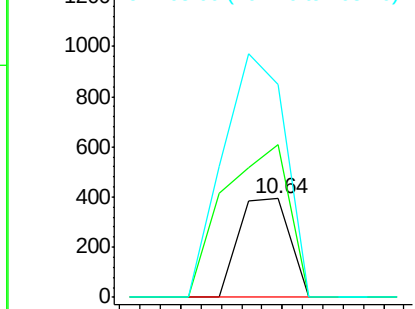
#64
4,6-Dinitro-2-methylphenol
Concen: 7.492 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF104519.D
Acq: 14 Apr 2018 11:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 274
Ion Ratio Lower Upper
198 100
51 155.0 37.7 77.7#
105 216.0 36.3 76.3#

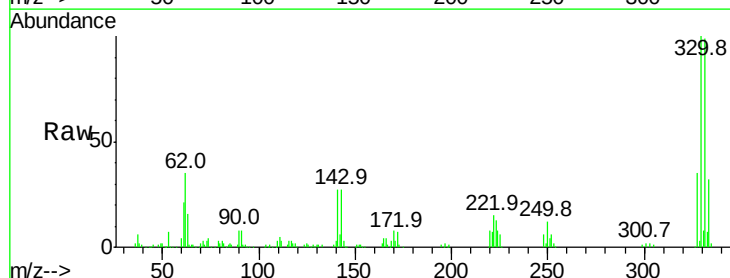


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

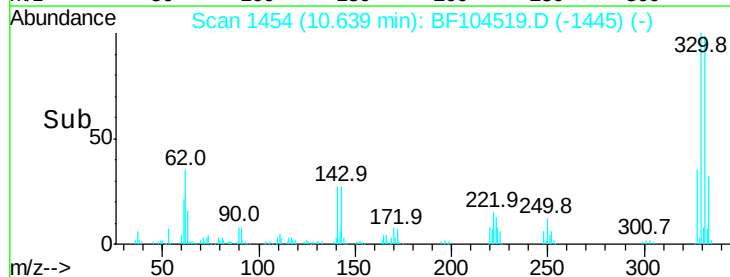
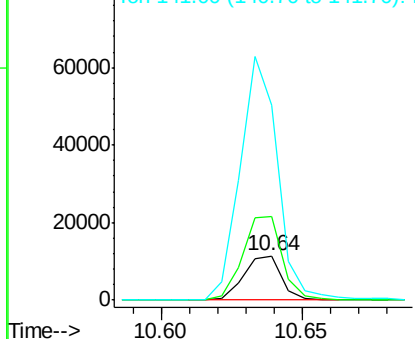


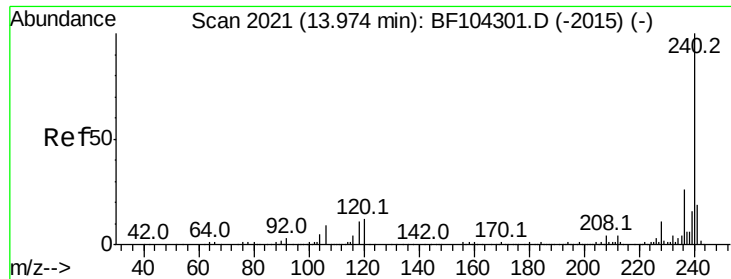
#66
4-Bromophenyl-phenylether
Concen: 3.055 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.25 min
Lab File: BF104519.D
Acq: 14 Apr 2018 11:33

Tgt Ion:248 Resp: 10648
Ion Ratio Lower Upper
248 100
250 190.4 76.9 115.3#
141 439.9 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

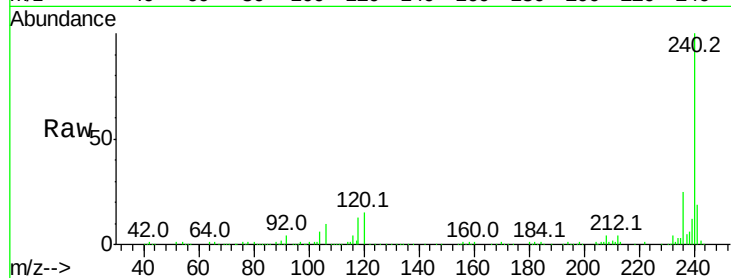




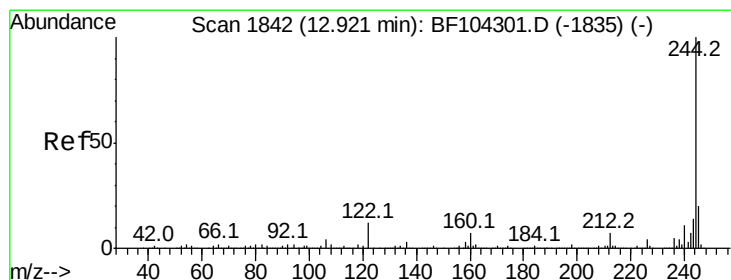
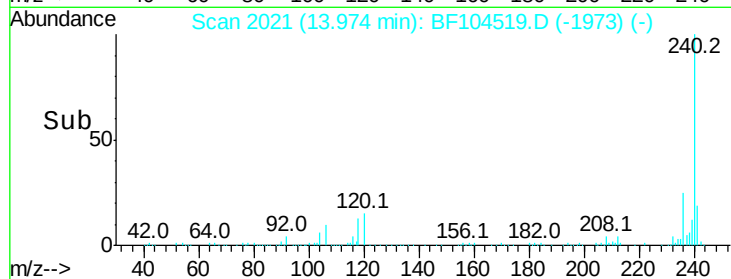
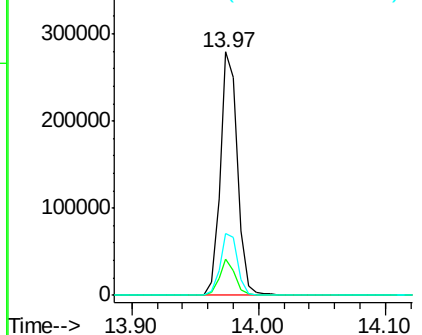
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.02 min
 Lab File: BF104519.D
 Acq: 14 Apr 2018 11:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 265767
 Ion Ratio Lower Upper
 240 100
 120 14.9 9.5 14.3#
 236 25.3 20.7 31.1

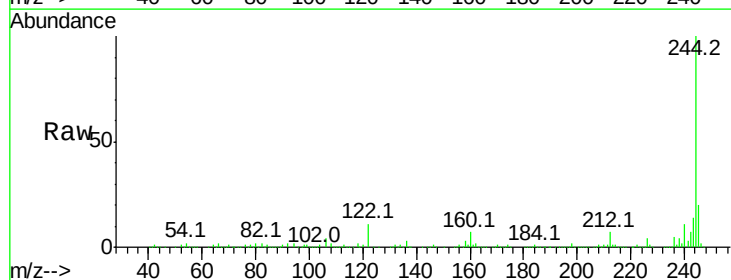


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

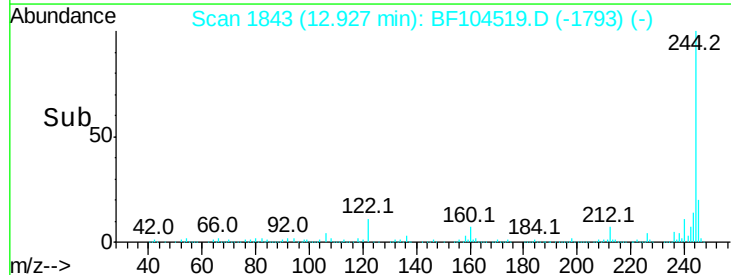
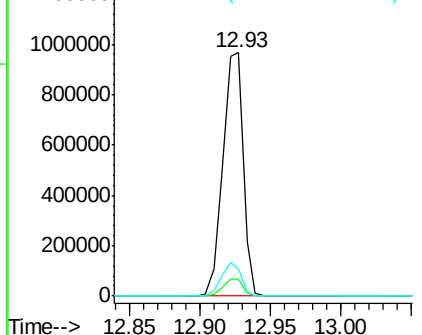


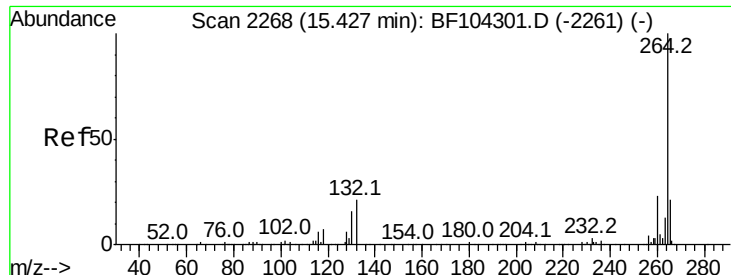
#78
 Terphenyl-d14
 Concen: 83.479 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF104519.D
 Acq: 14 Apr 2018 11:33

Tgt Ion:244 Resp: 973142
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.4 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

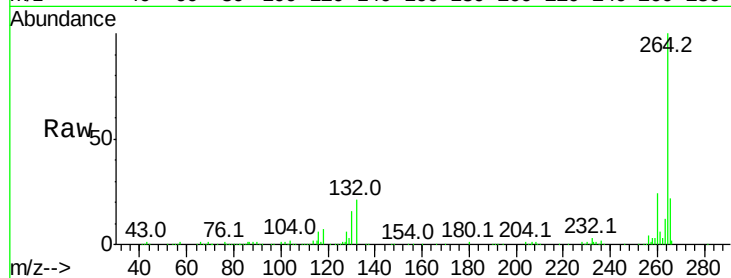




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF104519.D
Acq: 14 Apr 2018 11:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.6	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

