

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104726.D
 Acq On : 24 Apr 2018 00:16
 Operator : JU/SJ
 Sample : J2492-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 05:23:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	107936	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	430102	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	179717	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	300220	20.00	ng	0.00
75) Chrysene-d12	13.99	240	212893	20.00	ng	0.00
86) Perylene-d12	15.47	264	154586	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	338702	47.98	ng	0.01
7) Phenol-d6	6.45	99	262716	30.29	ng	0.00
23) Nitrobenzene-d5	7.37	82	671526	101.95	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	174585	93.65	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1227217	107.88	ng	0.00
78) Terphenyl-d14	12.93	244	1127846	120.78	ng	0.01

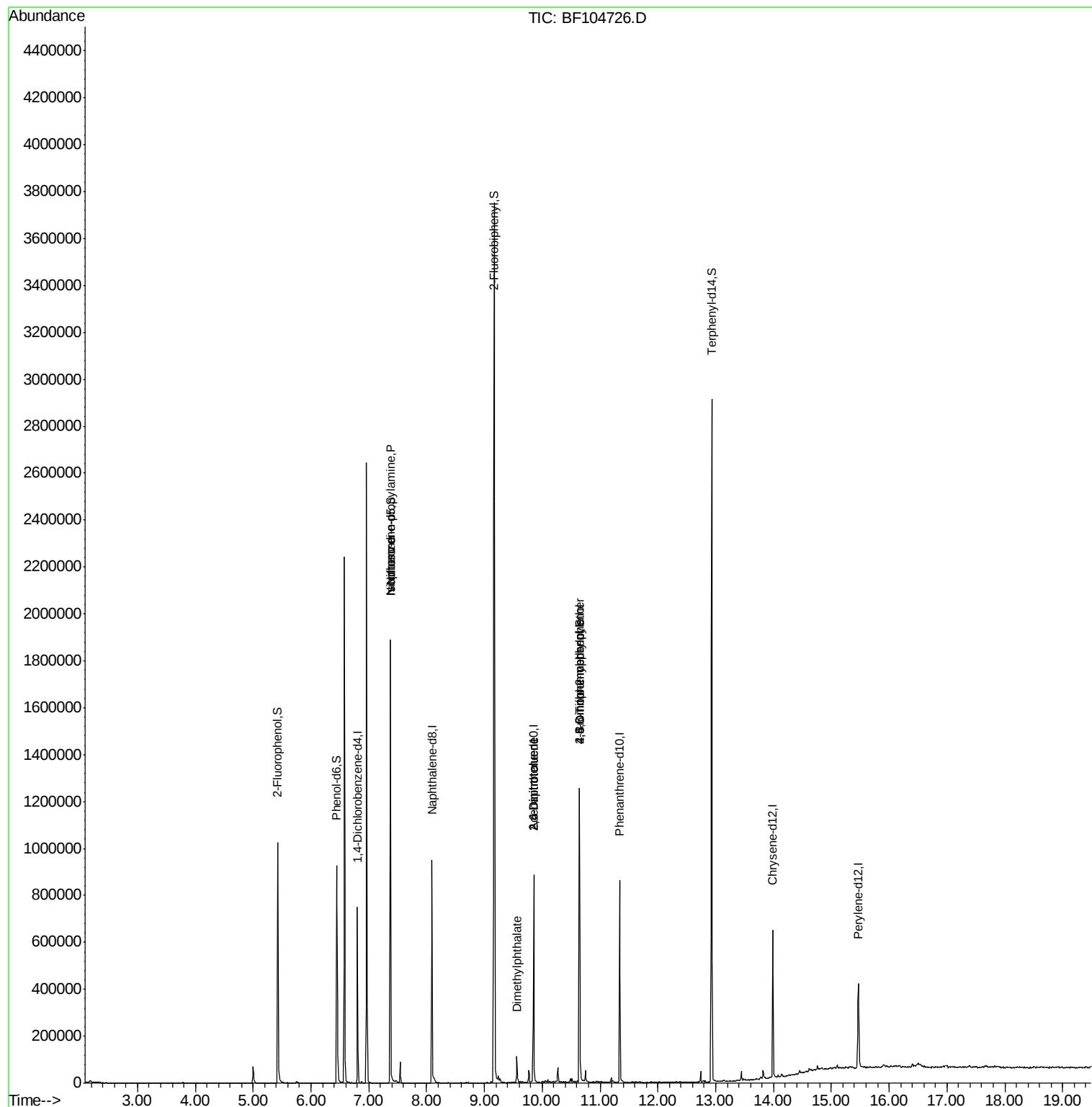
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	88107	15.546	ng	# 72
25) Isophorone	7.37	82	671516	48.211	ng	# 64
49) Dimethylphthalate	9.56	163	51161	3.610	ng	# 99
50) 2,6-Dinitrotoluene	9.85	165	22662	8.642	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	22662	6.588	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	298	7.520	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	10552	3.304	ng	# 1
76) Benzidine	12.69	184	987	Below Cal		# 66

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

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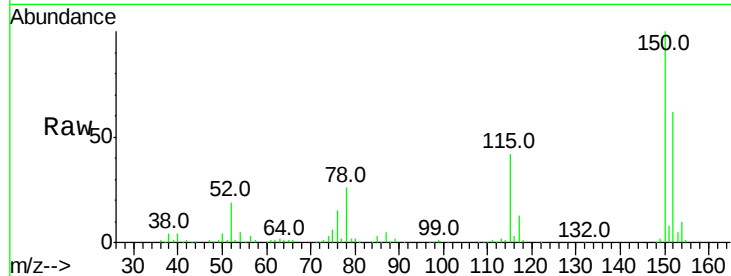


#1

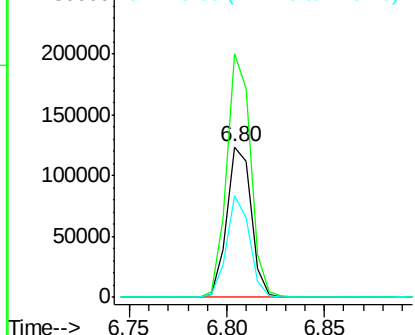
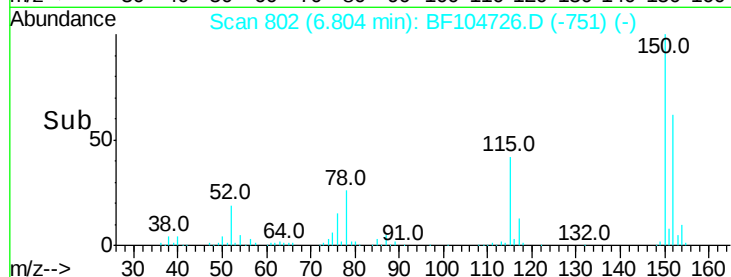
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104726.D
Acq: 24 Apr 2018 00:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 107936
Ion Ratio Lower Upper
152 100
150 161.6 124.6 186.8
115 67.2 50.1 75.1



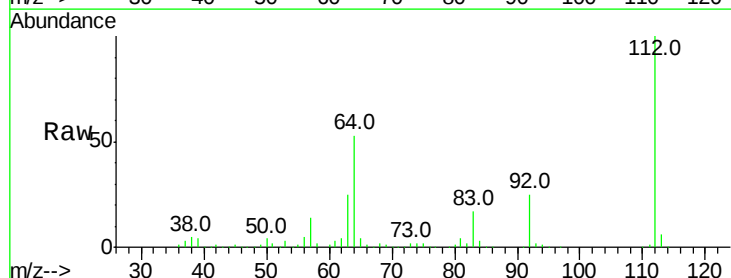
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



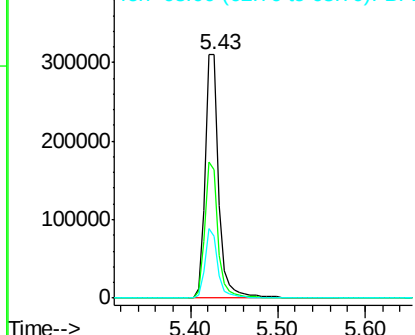
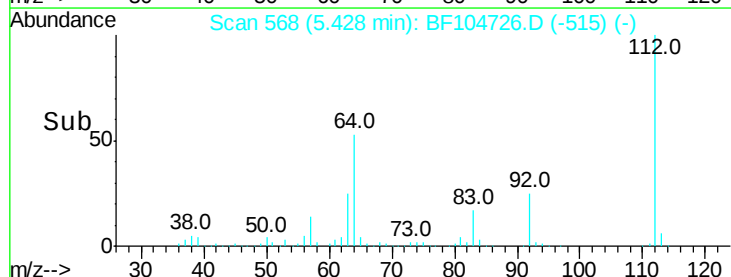
#5

2-Fluorophenol
Concen: 47.982 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104726.D
Acq: 24 Apr 2018 00:16

Tgt Ion:112 Resp: 338702
Ion Ratio Lower Upper
112 100
64 53.0 47.9 71.9
63 25.4 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: 30.291 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104726.D

Acq: 24 Apr 2018 00:16

Instrument :

BNA_F

ClientSampleId :

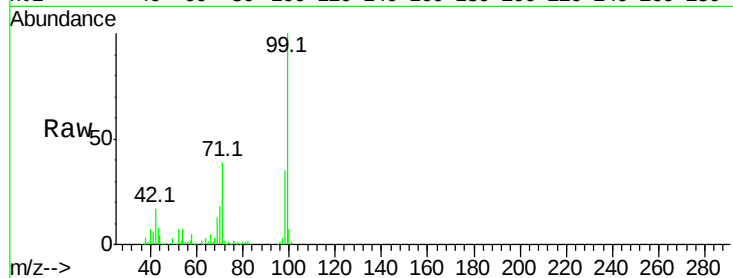
Tot Ion: 99 Resp: 262716

Ion Ratio Lower Upper

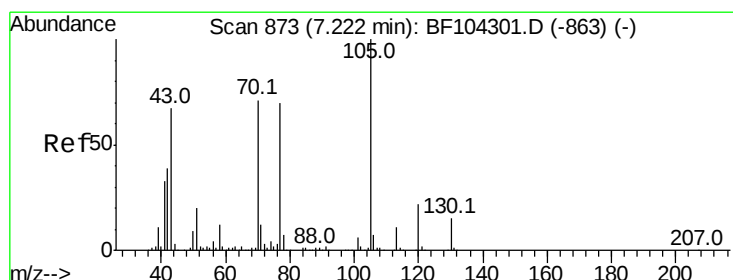
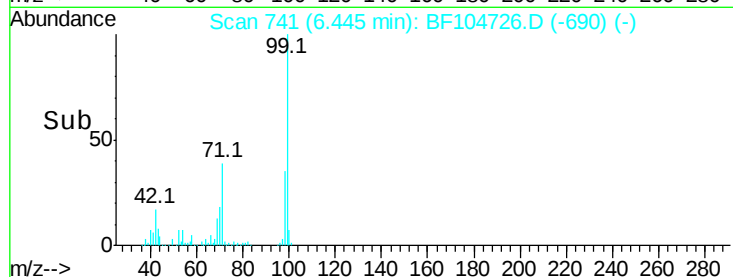
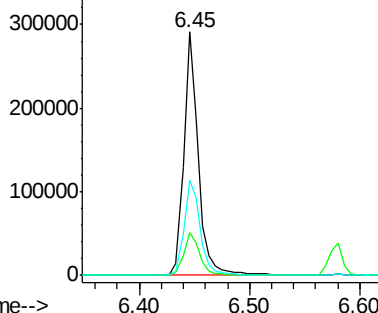
99 100

42 17.5 14.5 21.7

71 39.2 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: 15.546 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104726.D

Acq: 24 Apr 2018 00:16

Tgt Ion: 70 Resp: 88107

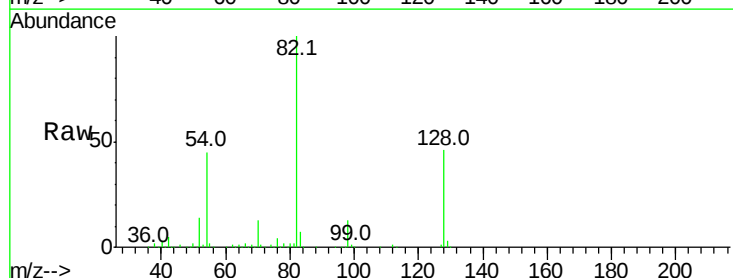
Ion Ratio Lower Upper

70 100

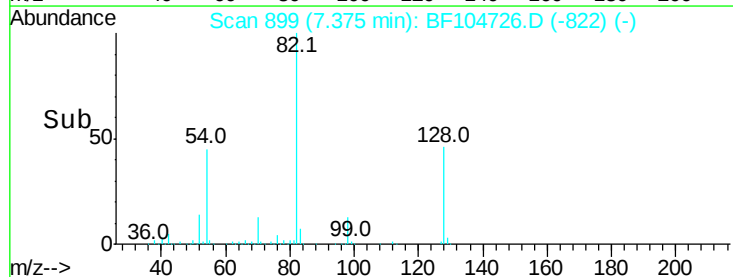
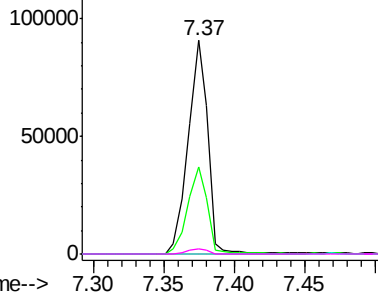
42 40.8 47.5 71.3#

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. -0.00 min

Lab File: BF104726.D

Acq: 24 Apr 2018 00:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 430102

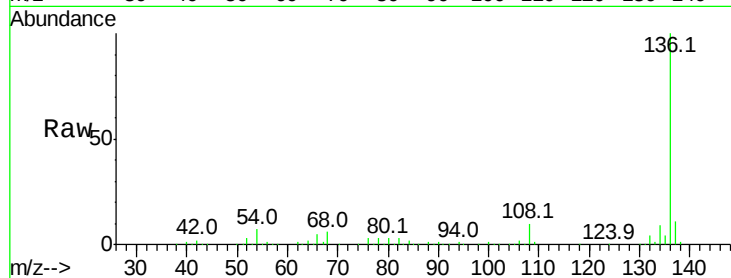
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 6.8 6.6 9.8

68 6.0 5.0 7.4

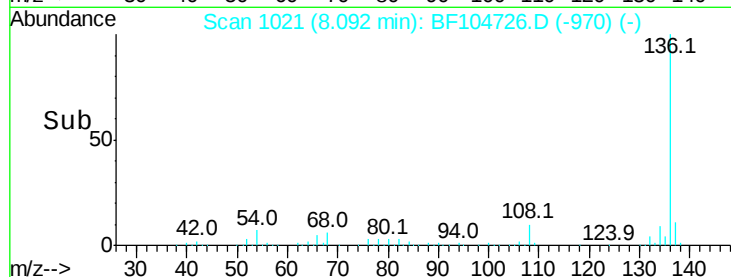
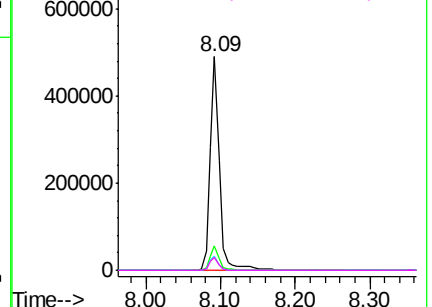


Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.951 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF104726.D

Acq: 24 Apr 2018 00:16

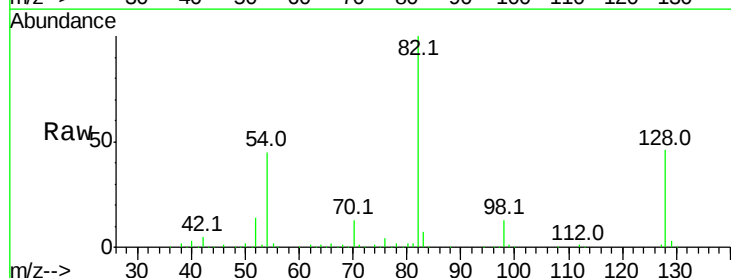
Tgt Ion: 82 Resp: 671526

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

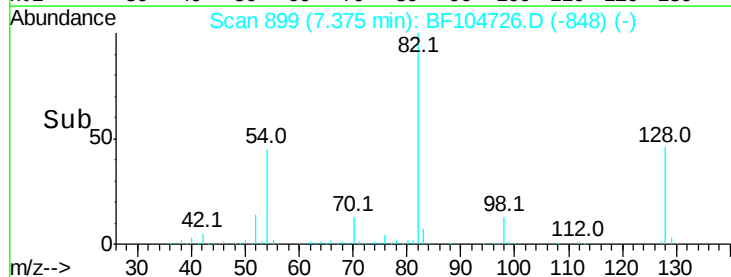
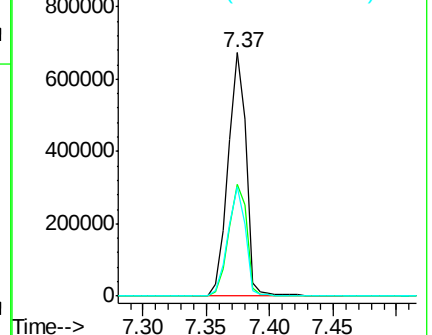
54 44.8 41.4 62.2

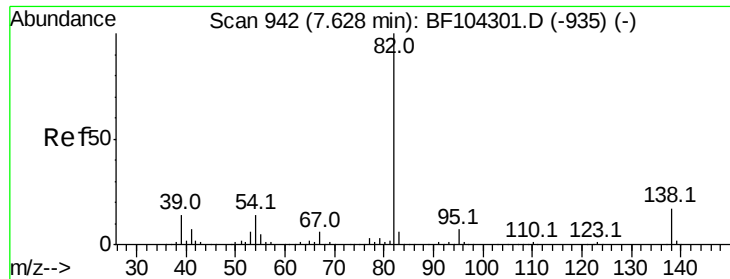


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

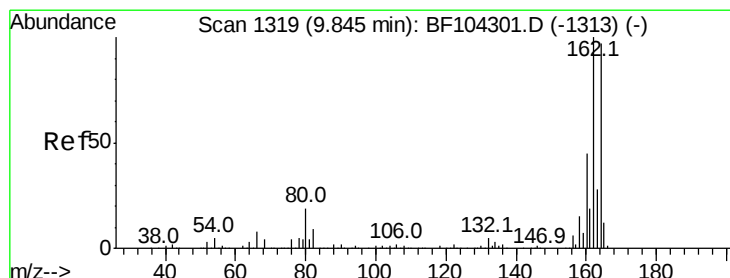
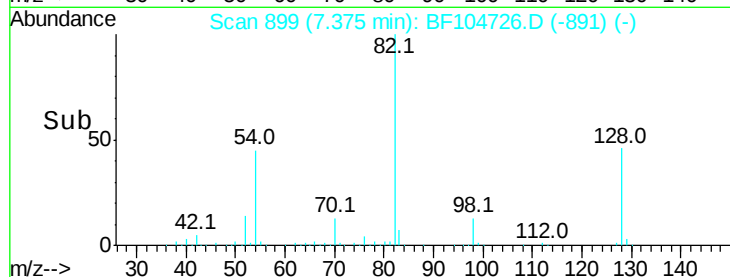
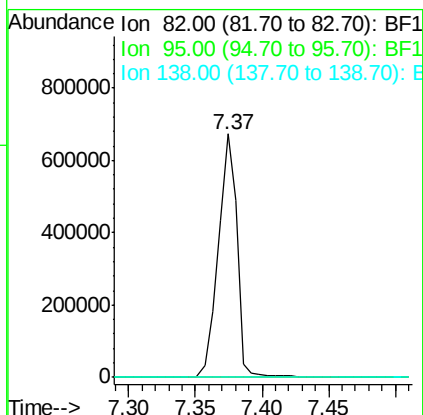
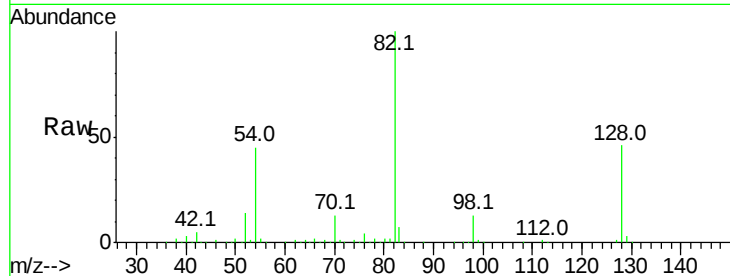




#25
Isophorone
Concen: 48.211 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.25 min
Lab File: BF104726.D
Acq: 24 Apr 2018 00:16

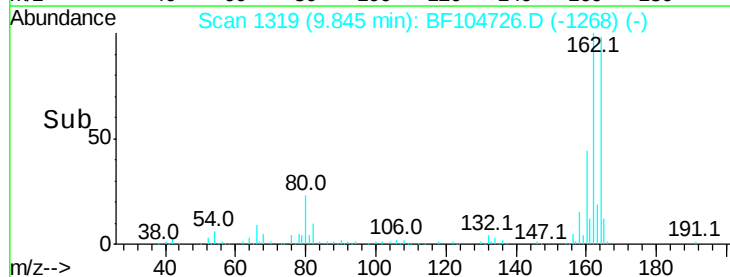
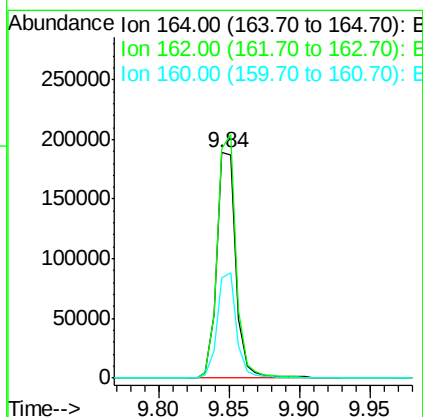
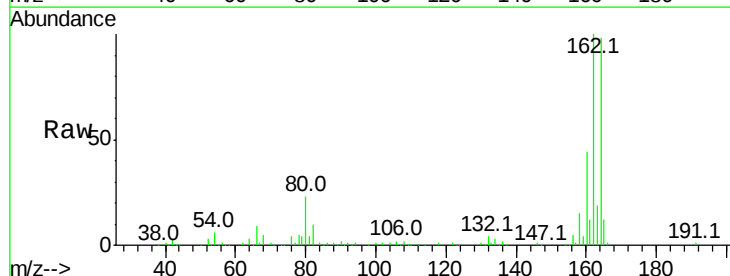
Instrument :
BNA_F
ClientSampleId :

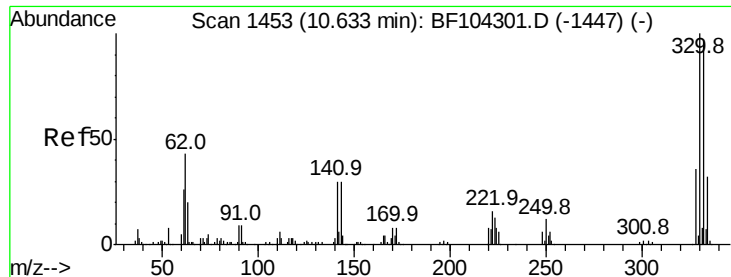
Tot Ion: 82 Resp: 671516
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF104726.D
Acq: 24 Apr 2018 00:16

Tgt Ion:164 Resp: 179717
Ion Ratio Lower Upper
164 100
162 101.8 86.1 129.1
160 44.6 38.3 57.5

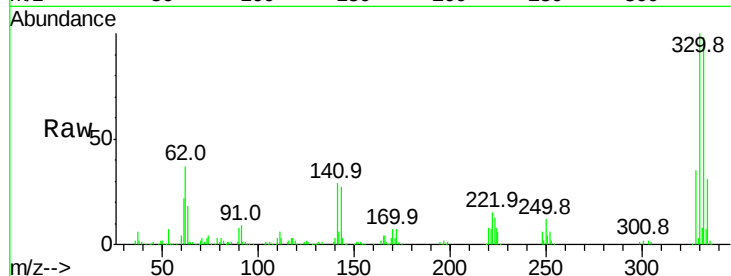




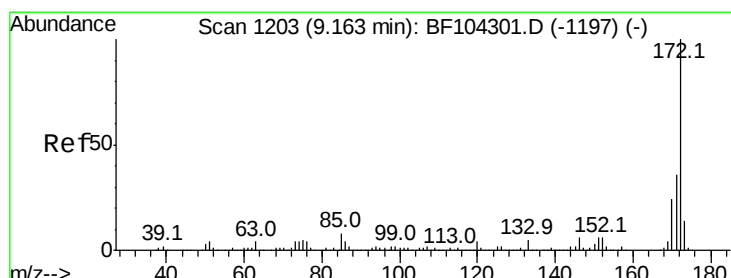
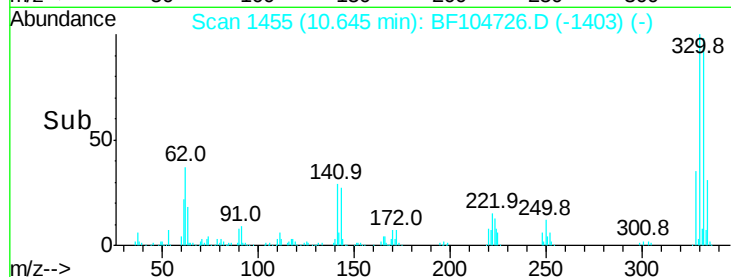
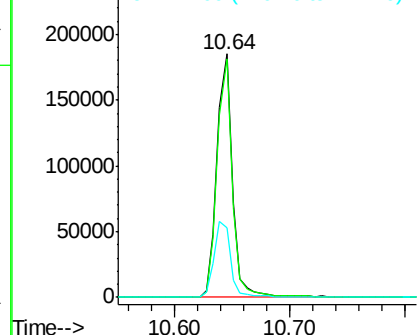
#41
 2,4,6-Tribromophenol
 Concen: 93.649 ng
 RT: 10.64 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104726.D
 Acq: 24 Apr 2018 00:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	33.0	29.9	44.9

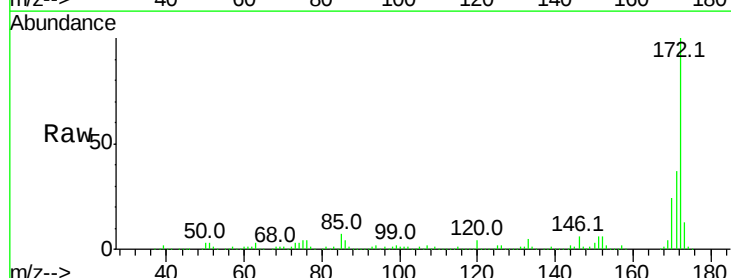


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

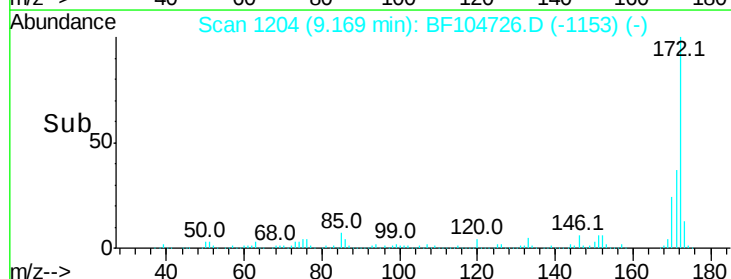
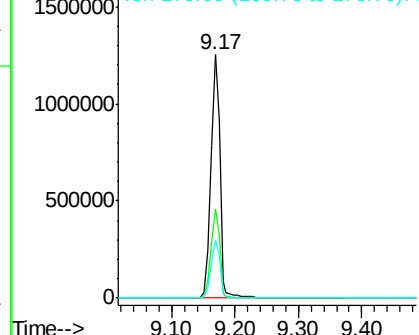


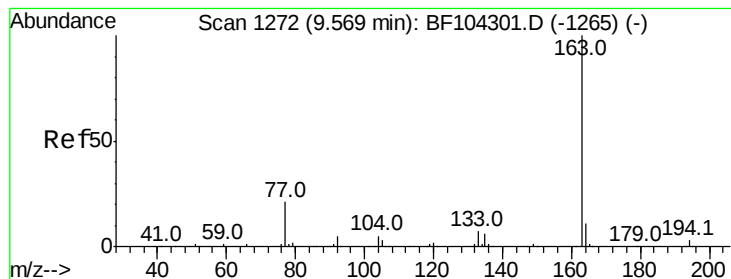
#44
 2-Fluorobiphenyl
 Concen: 107.875 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104726.D
 Acq: 24 Apr 2018 00:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.0	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: 3.610 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF104726.D

Acq: 24 Apr 2018 00:16

Instrument :

BNA_F

ClientSampleId :

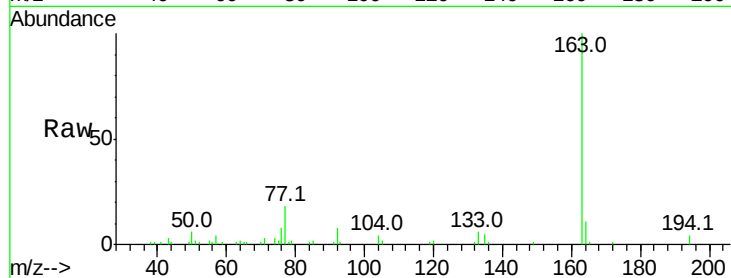
Tot Ion:163 Resp: 51161

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

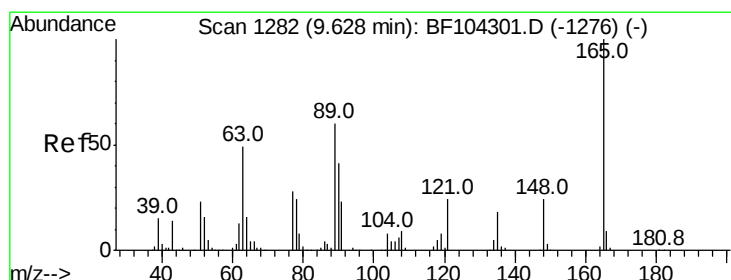
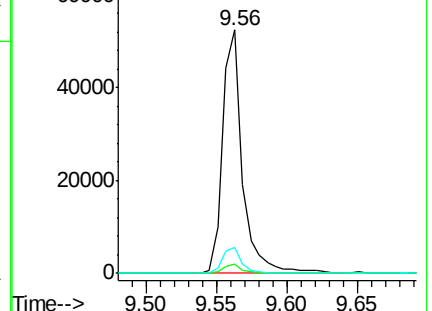
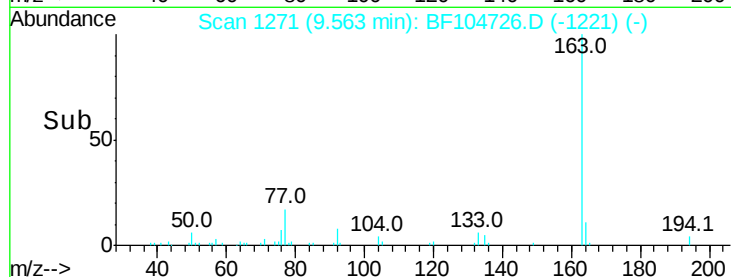
164 10.5 8.2 12.2



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: 8.642 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF104726.D

Acq: 24 Apr 2018 00:16

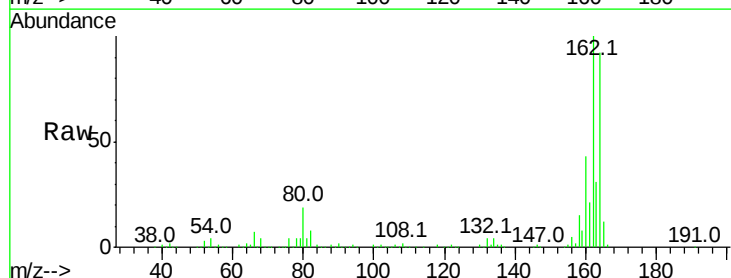
Tgt Ion:165 Resp: 22662

Ion Ratio Lower Upper

165 100

63 1.8 44.7 67.1#

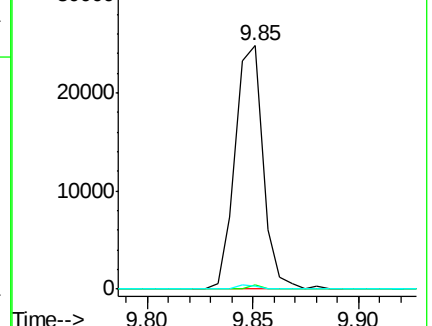
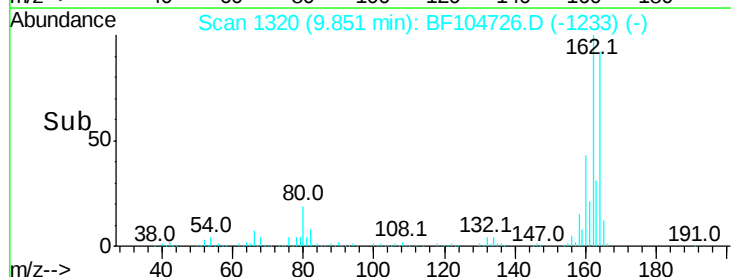
89 1.3 44.0 66.0#

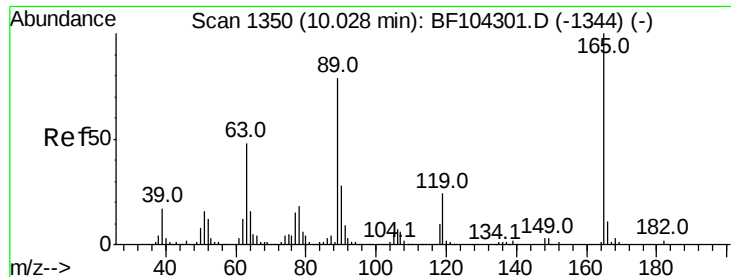


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

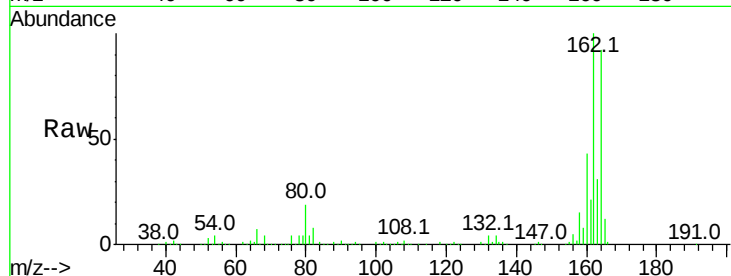




#56
 2,4-Dinitrotoluene
 Concen: 6.588 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF104726.D
 Acq: 24 Apr 2018 00:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	22662
Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

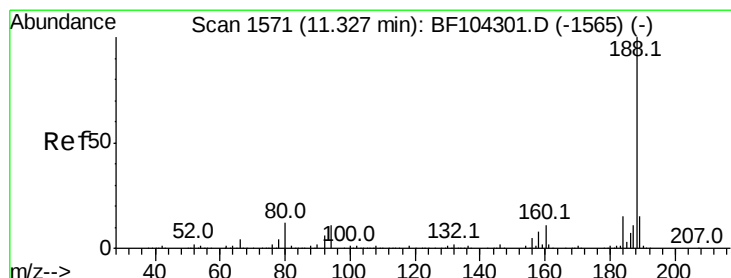
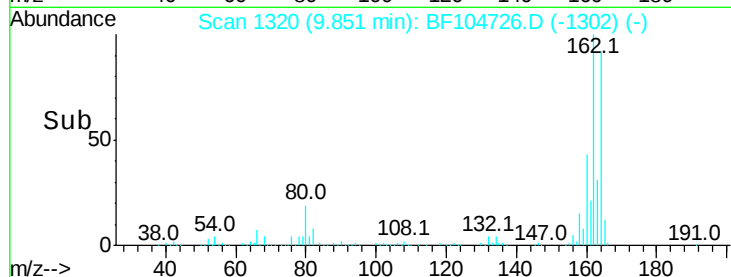
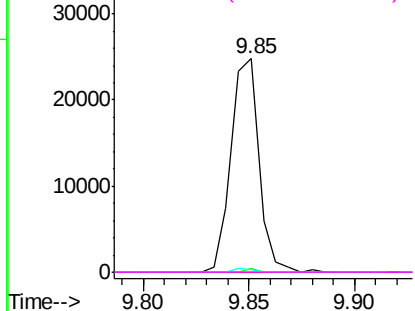


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

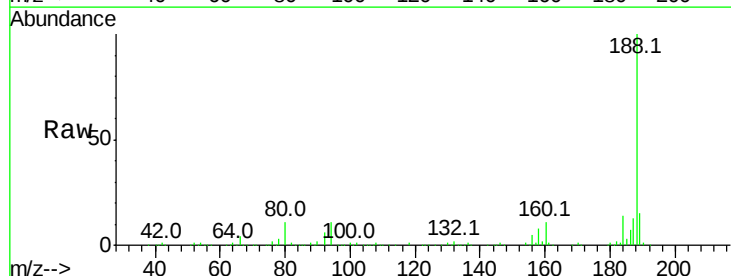
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF104726.D
 Acq: 24 Apr 2018 00:16

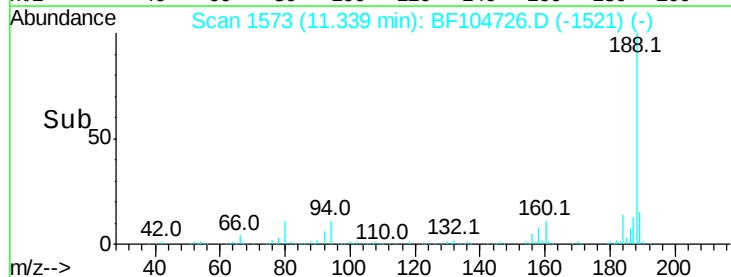
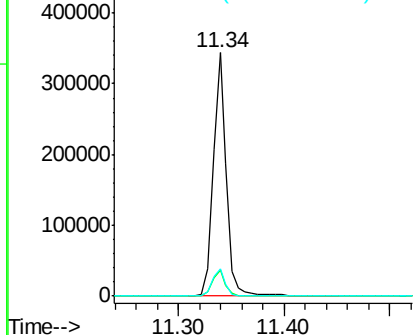
Tgt Ion:	188	Resp:	300220
Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.5	12.7
80	11.3	9.2	13.8

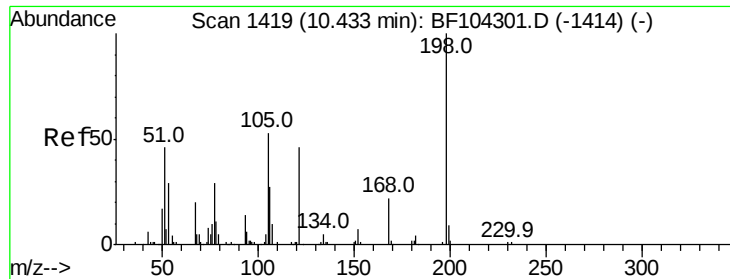


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.520 ng

RT: 10.64 min Scan# 1455

Delta R.T. 0.19 min

Lab File: BF104726.D

Acq: 24 Apr 2018 00:16

Instrument :

BNA_F

ClientSampled :

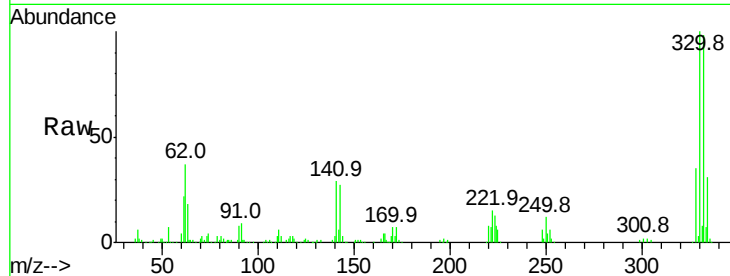
Tot Ion:198 Resp: 298

Ion Ratio Lower Upper

198 100

51 126.9 37.7 77.7#

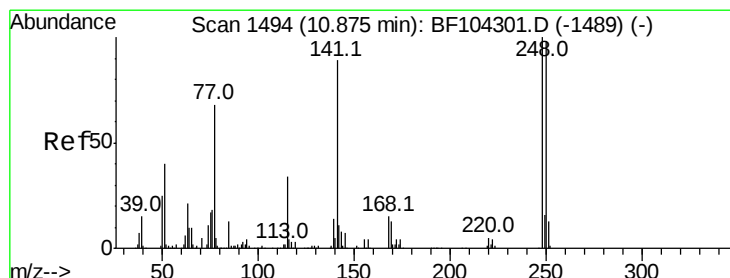
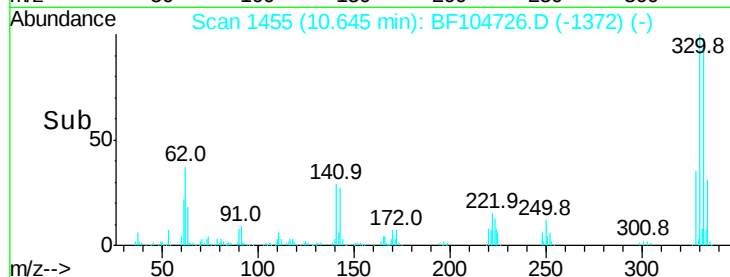
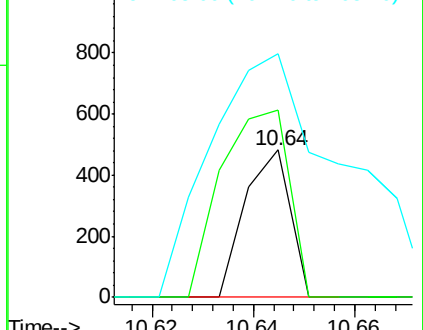
105 165.0 36.3 76.3#



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: 3.304 ng

RT: 10.64 min Scan# 1455

Delta R.T. -0.23 min

Lab File: BF104726.D

Acq: 24 Apr 2018 00:16

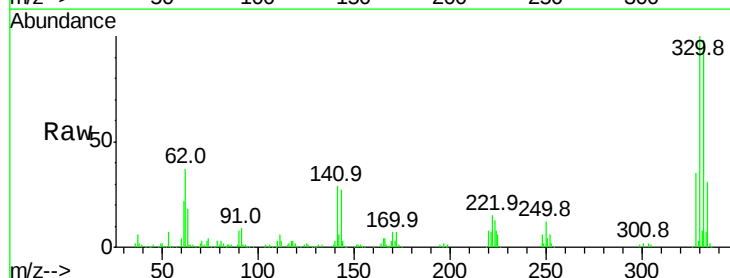
Tgt Ion:248 Resp: 10552

Ion Ratio Lower Upper

248 100

250 208.6 76.9 115.3#

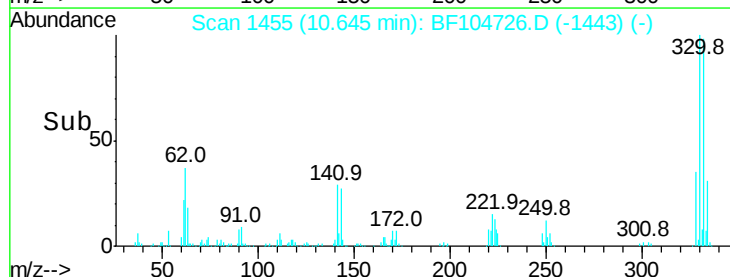
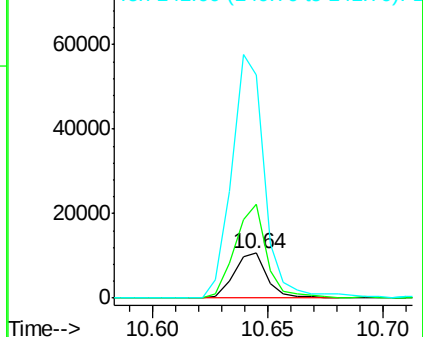
141 494.6 74.4 111.6#

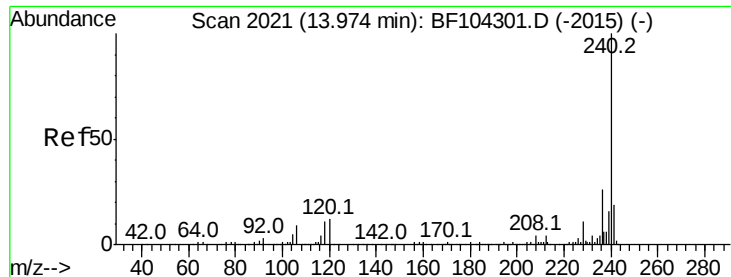


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF104726.D

Acq: 24 Apr 2018 00:16

Instrument :

BNA_F

ClientSampled :

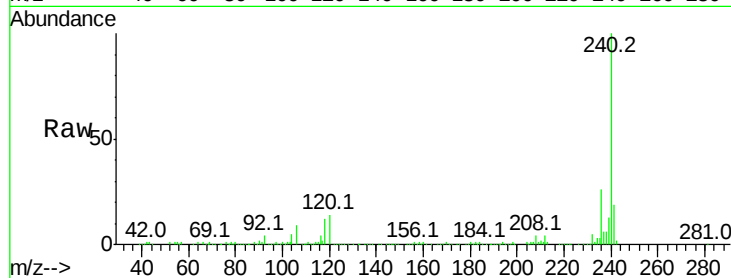
Tot Ion:240 Resp: 212893

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

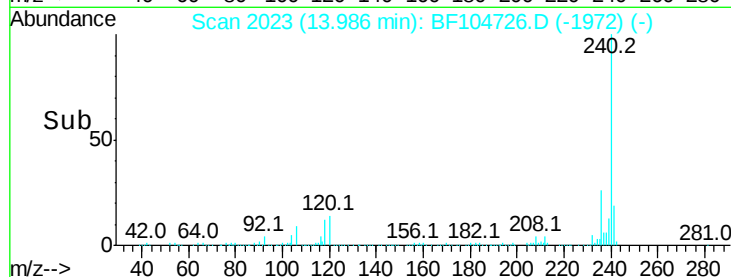
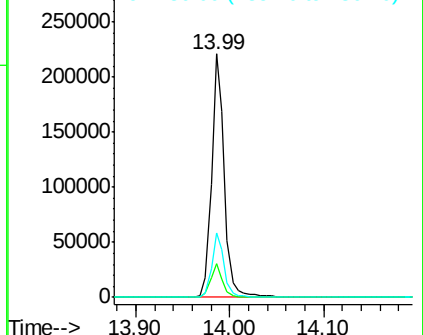
236 26.3 20.7 31.1



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: 120.779 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.01 min

Lab File: BF104726.D

Acq: 24 Apr 2018 00:16

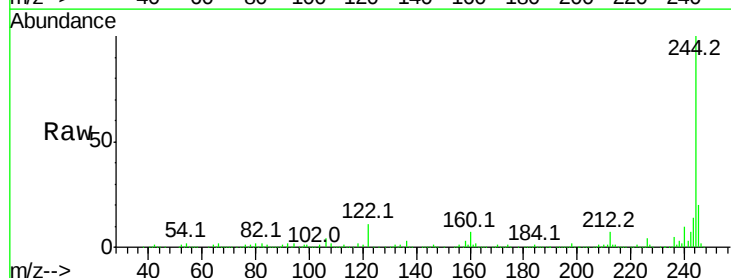
Tgt Ion:244 Resp: 1127846

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

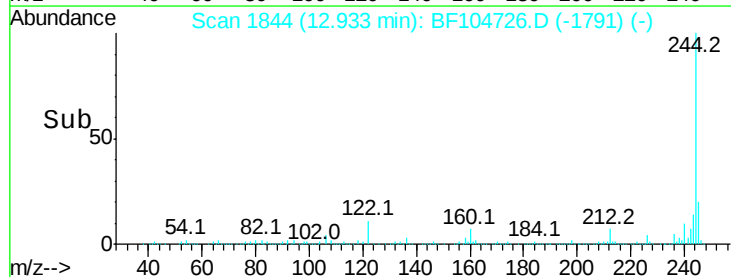
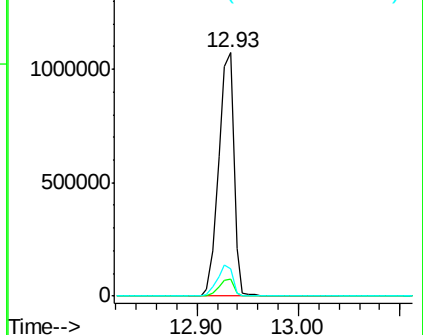
122 11.1 11.0 16.4

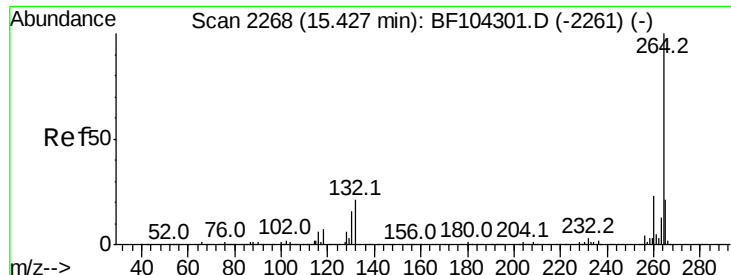


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.47 min Scan# 2275
 Delta R.T. 0.02 min
 Lab File: BF104726.D
 Acq: 24 Apr 2018 00:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	20.6	17.5	26.3

