

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050118\
 Data File : BF105018.D
 Acq On : 2 May 2018 8:13
 Operator : JU/SJ
 Sample : PB108770BL
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB108770BL

Quant Time: May 02 09:01:47 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 01 16:13:08 2018
 Response via : Initial Calibration

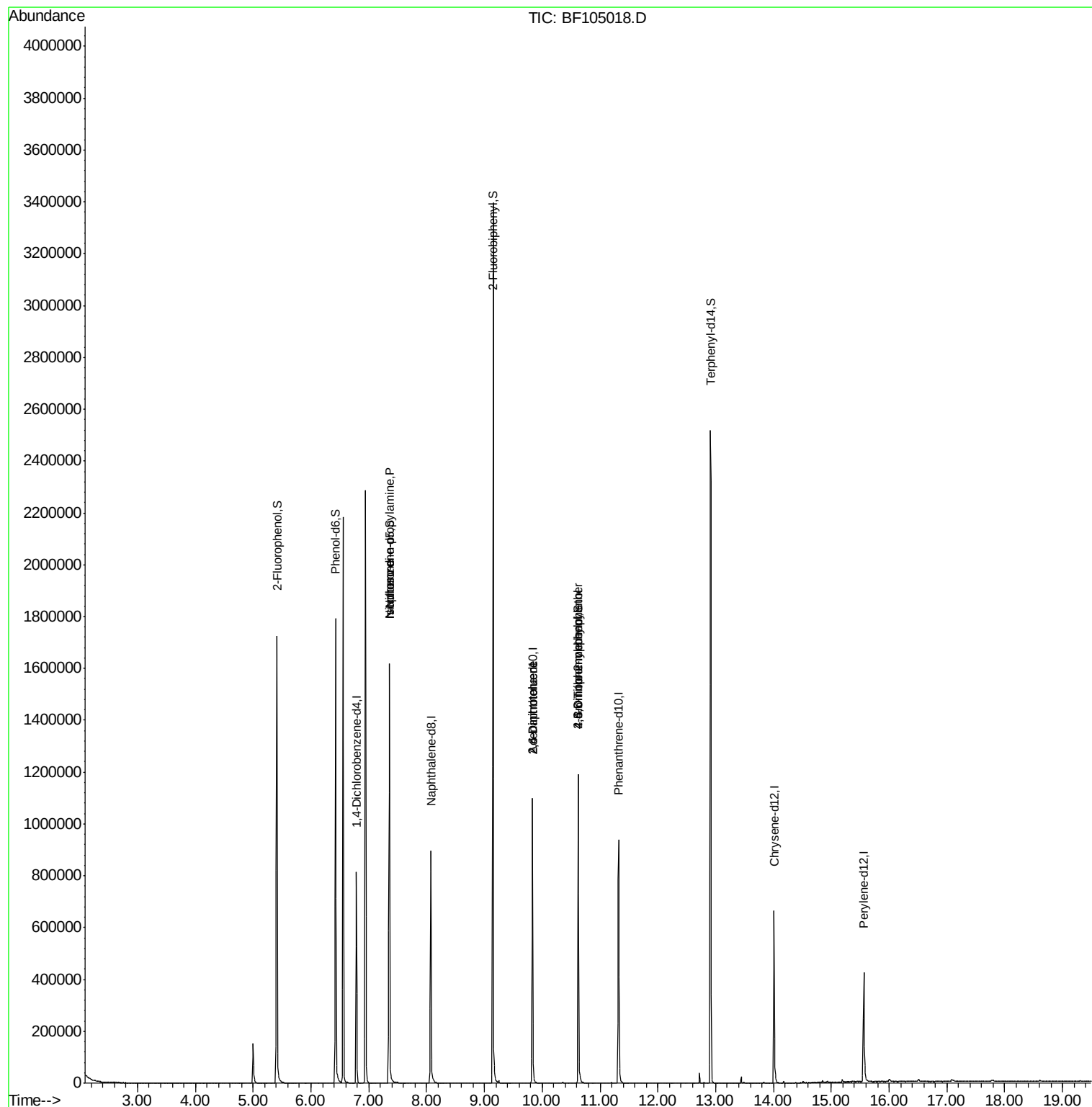
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	114076	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	491958	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	226936	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	388499	20.00	ng	0.00
75) Chrysene-d12	14.01	240	258587	20.00	ng	0.04
86) Perylene-d12	15.56	264	226442	20.00	ng	0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	580915	77.86	ng	0.00
7) Phenol-d6	6.43	99	693214	75.62	ng	0.00
23) Nitrobenzene-d5	7.36	82	612031	81.24	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	166060	70.54	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1126142	78.39	ng	0.00
78) Terphenyl-d14	12.91	244	960105	84.65	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	78423	13.092	ng	# 72
25) Isophorone	7.36	82	612027	38.416	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	28707	8.669	ng	# 25
56) 2,4-Dinitrotoluene	9.83	165	28707	6.609	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.62	198	123	7.402	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	9976	2.414	ng	# 1
76) Benzidine	12.91	184	12129	Below Cal		# 91

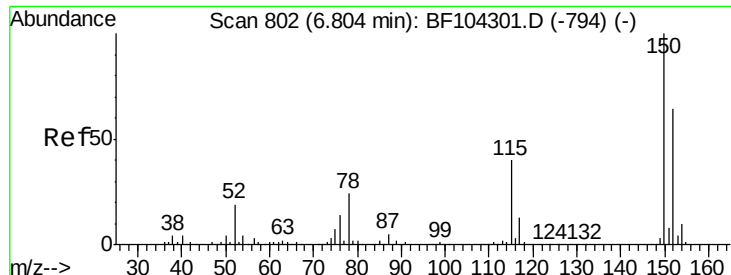
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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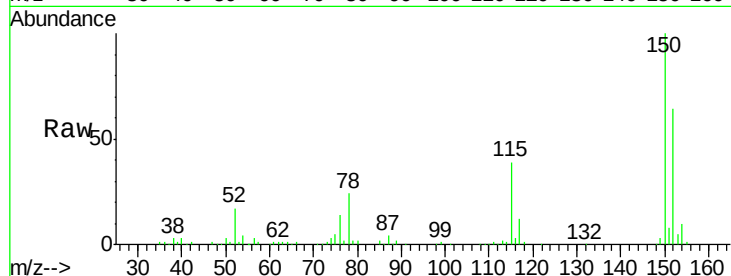




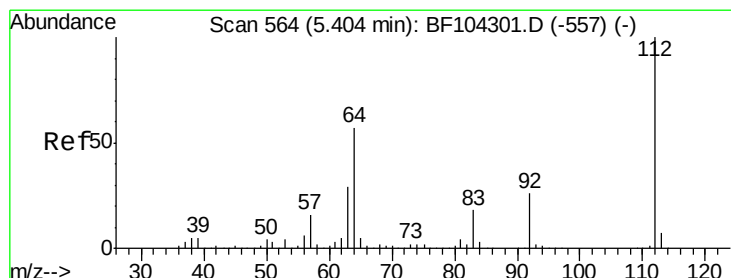
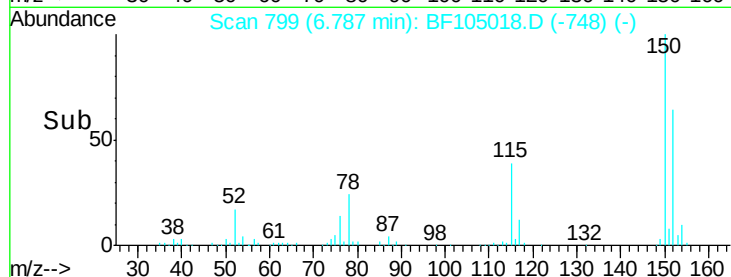
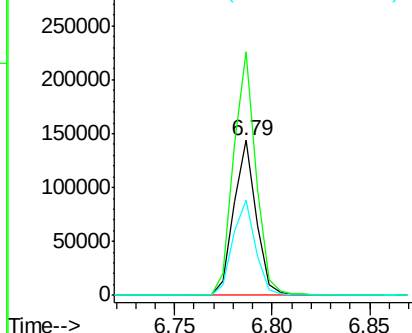
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF105018.D
 Acq: 2 May 2018 8:13

Instrument :
 BNA_F
 ClientSampleId :
 PB108770BL

Tgt Ion:152 Resp: 114076
 Ion Ratio Lower Upper
 152 100
 150 157.3 124.6 186.8
 115 61.8 50.1 75.1

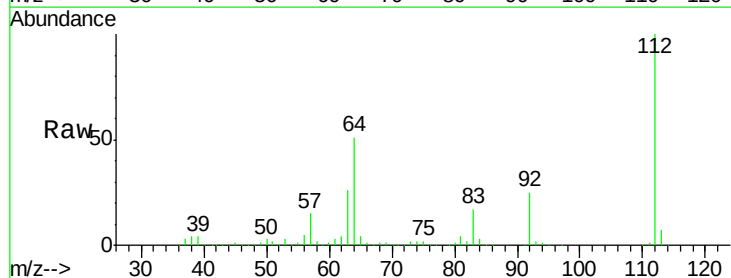


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

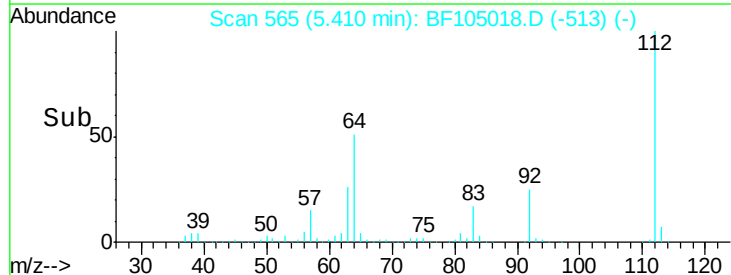
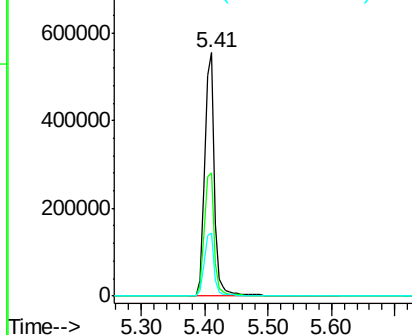


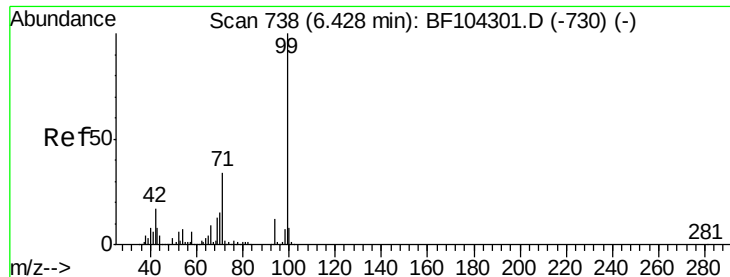
#5
 2-Fluorophenol
 Concen: 77.865 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: BF105018.D
 Acq: 2 May 2018 8:13

Tgt Ion:112 Resp: 580915
 Ion Ratio Lower Upper
 112 100
 64 50.7 47.9 71.9
 63 25.7 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: 75.624 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF105018.D

Acq: 2 May 2018 8:13

Instrument :

BNA_F

ClientSampleId :

PB108770BL

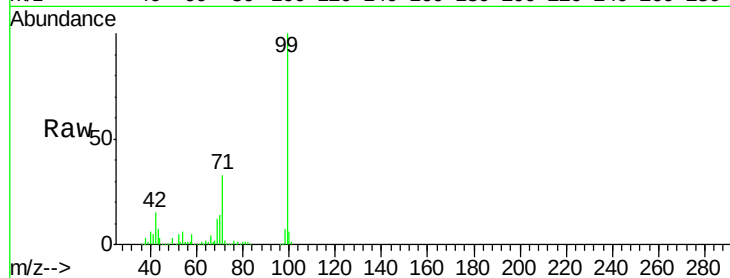
Tgt Ion: 99 Resp: 693214

Ion Ratio Lower Upper

99 100

42 15.3 14.5 21.7

71 33.0 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

800000

600000

400000

200000

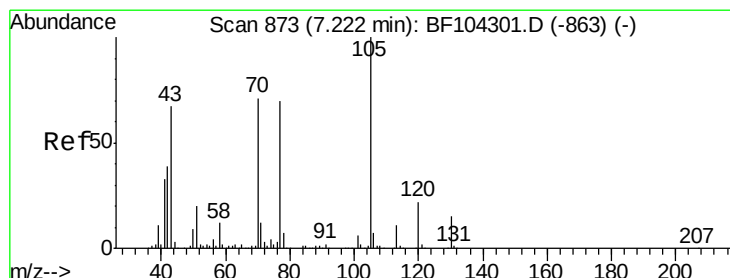
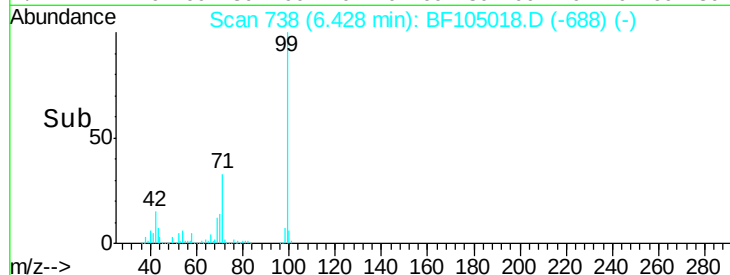
0

6.43

6.40

6.50

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 13.092 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF105018.D

Acq: 2 May 2018 8:13

Tgt Ion: 70 Resp: 78423

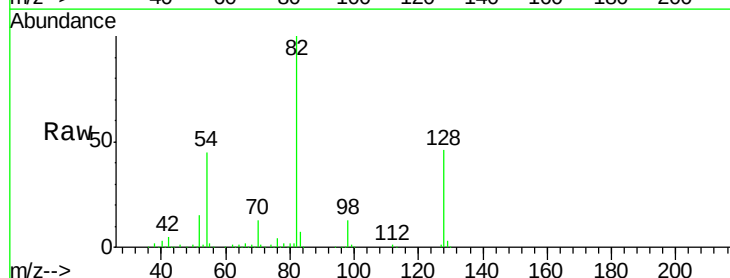
Ion Ratio Lower Upper

70 100

42 41.1 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

120000

100000

80000

60000

40000

20000

0

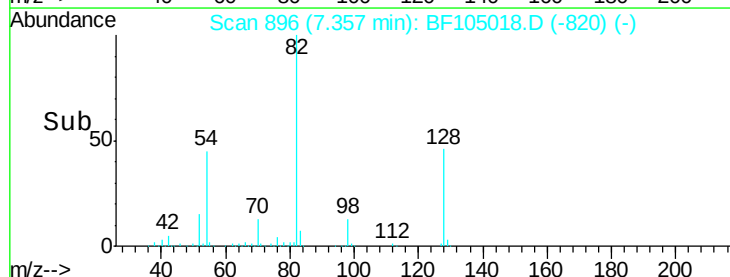
7.36

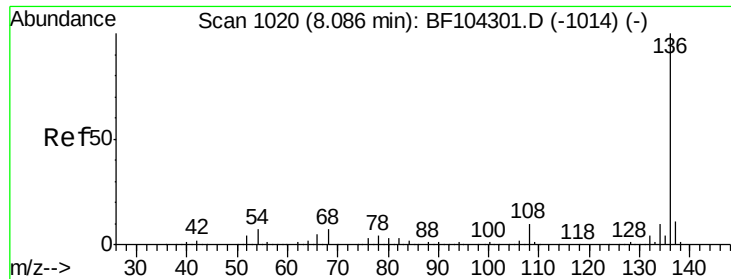
7.30

7.40

7.45

Time-->

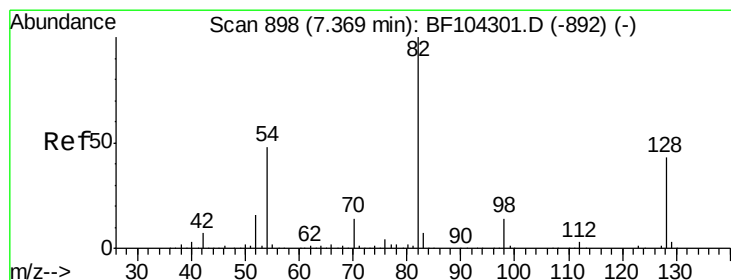
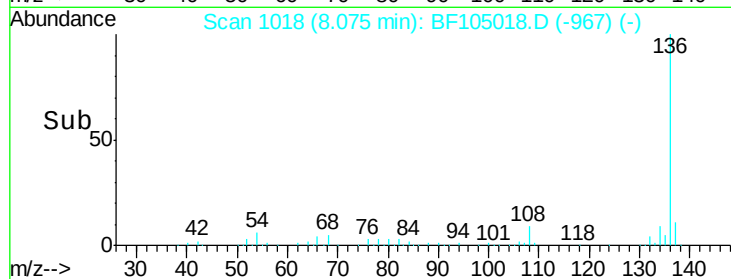
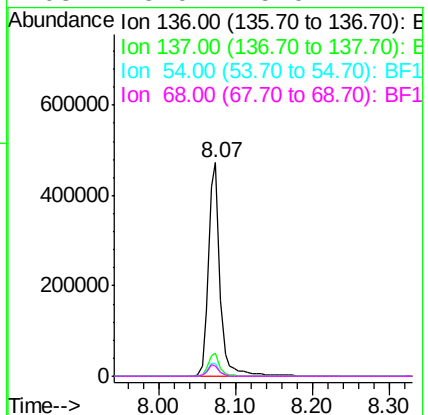
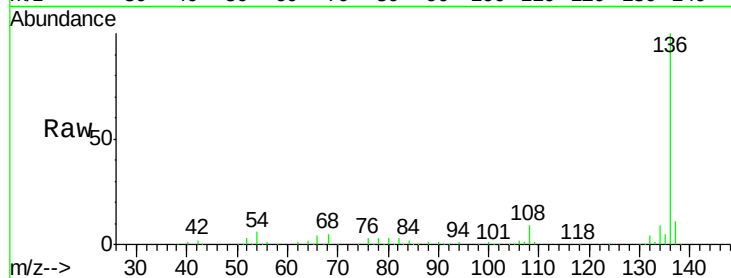




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF105018.D
Acq: 2 May 2018 8:13

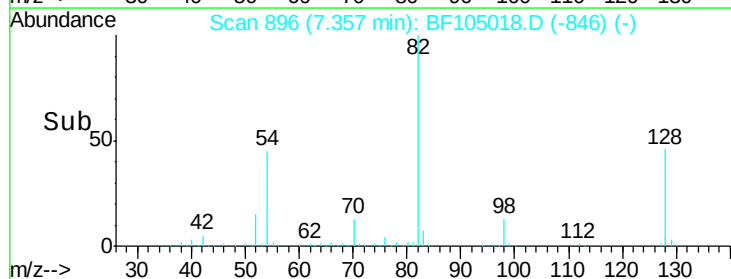
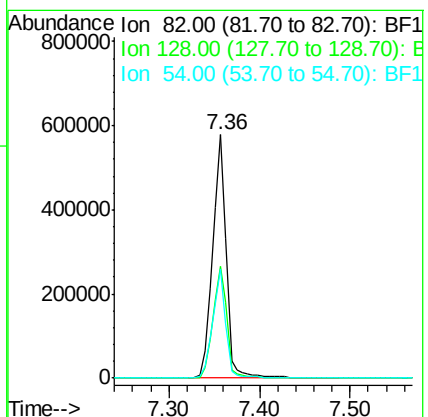
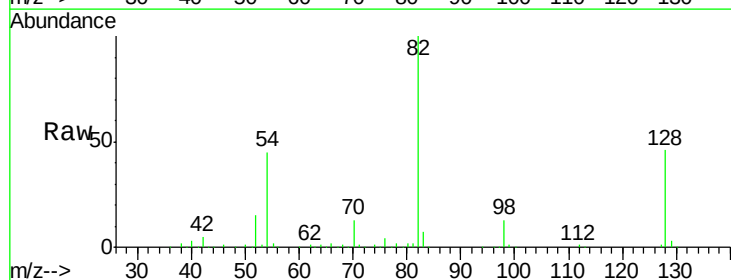
Instrument :
BNA_F
ClientSampleId :
PB108770BL

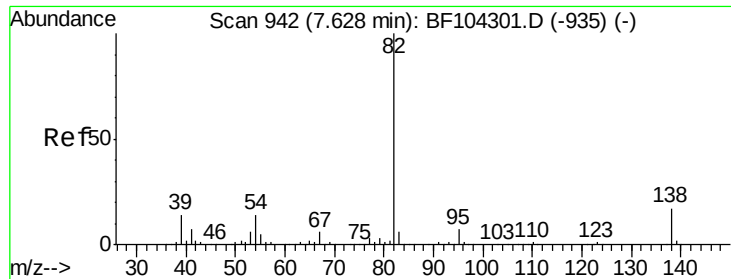
Tgt Ion:	136	Resp:	491958
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.1	6.6	9.8#
68	5.0	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 81.235 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105018.D
Acq: 2 May 2018 8:13

Tgt Ion:	82	Resp:	612031
Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	44.7	41.4	62.2





#25

Isophorone

Concen: 38.416 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF105018.D

Acq: 2 May 2018 8:13

Instrument :

BNA_F

ClientSampleId :

PB108770BL

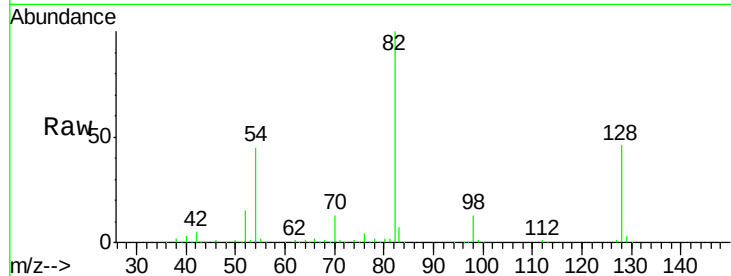
Tgt Ion: 82 Resp: 612027

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

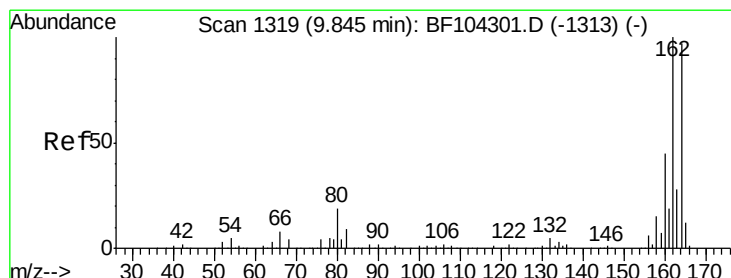
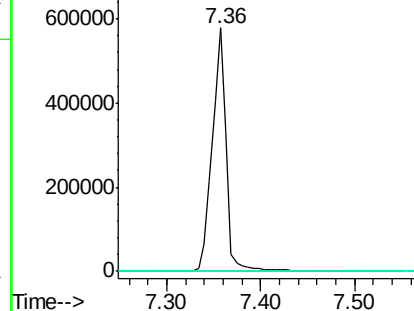
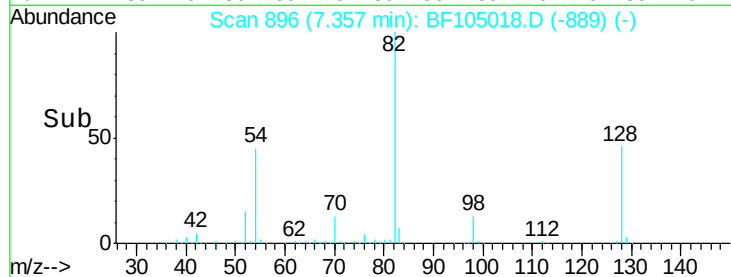
138 0.0 14.9 22.3#



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: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF105018.D

Acq: 2 May 2018 8:13

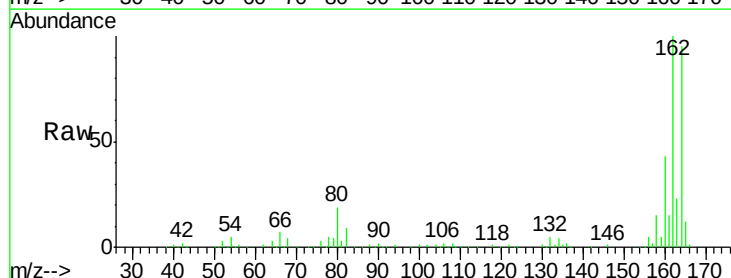
Tgt Ion: 164 Resp: 226936

Ion Ratio Lower Upper

164 100

162 105.4 86.1 129.1

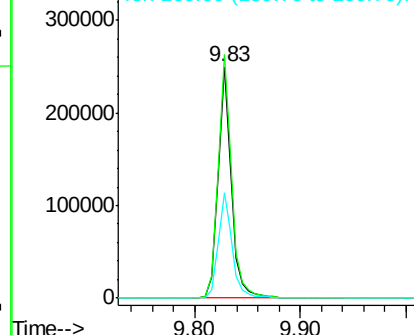
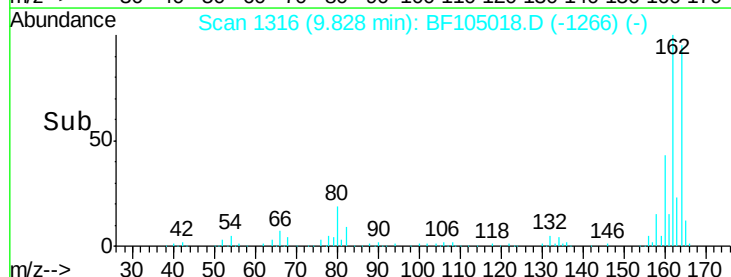
160 45.4 38.3 57.5

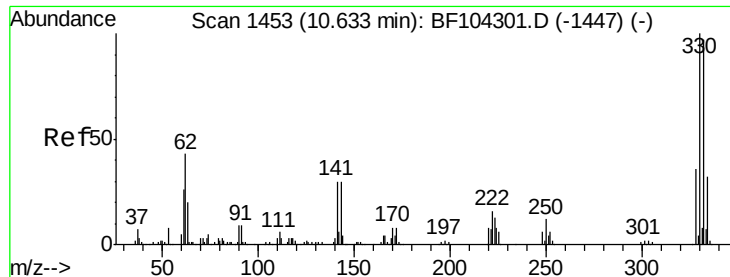


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

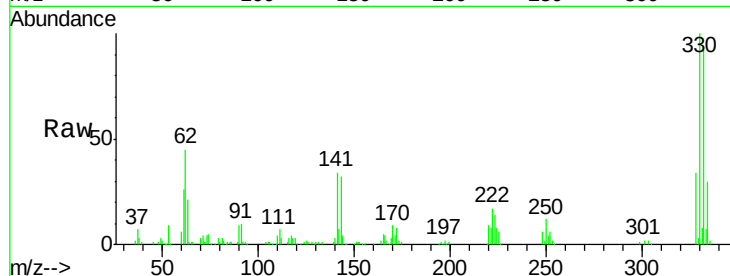




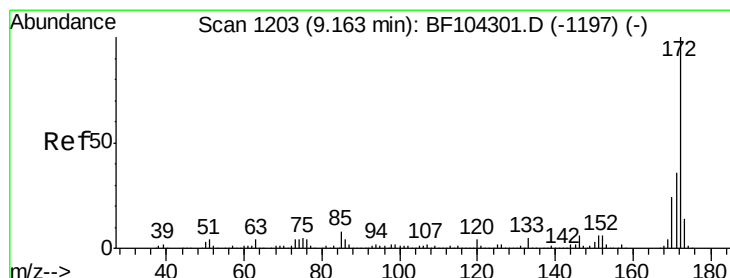
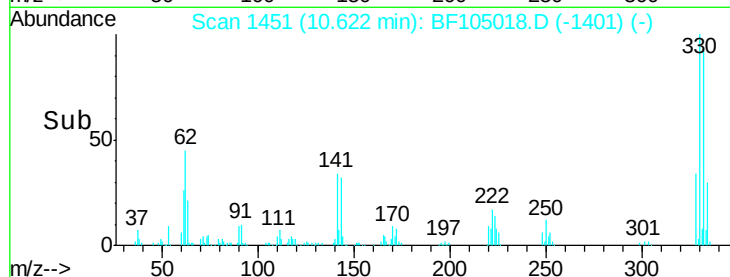
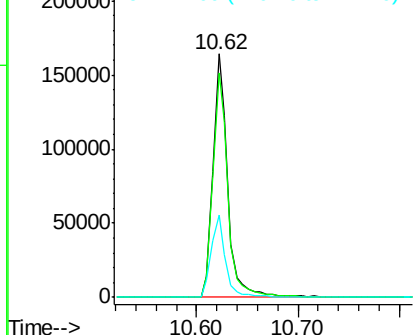
#41
 2,4,6-Tribromophenol
 Concen: 70.542 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF105018.D
 Acq: 2 May 2018 8:13

Instrument :
 BNA_F
 ClientSampleId :
 PB108770BL

Tgt Ion:330 Resp: 166060
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.0 115.6
 141 32.9 29.9 44.9

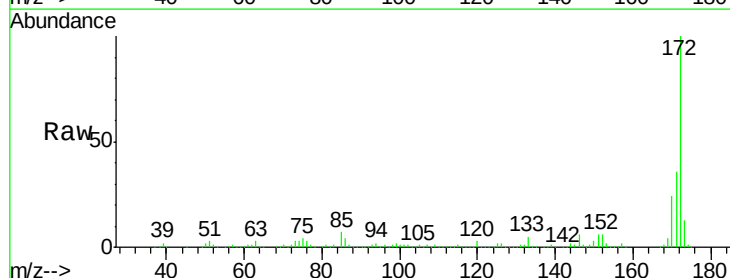


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

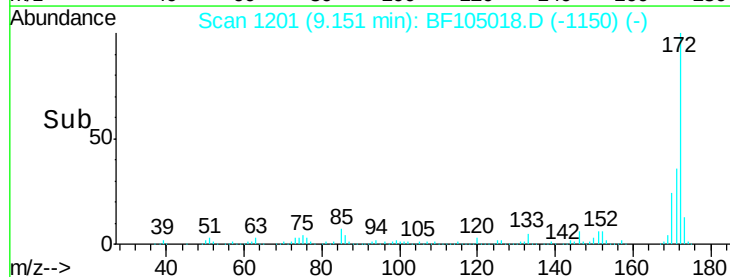
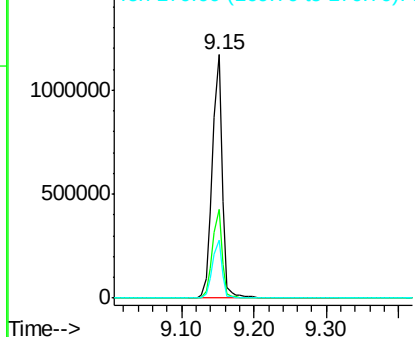


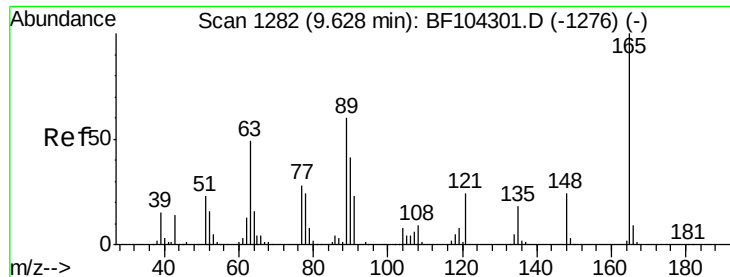
#44
 2-Fluorobiphenyl
 Concen: 78.393 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BF105018.D
 Acq: 2 May 2018 8:13

Tgt Ion:172 Resp: 1126142
 Ion Ratio Lower Upper
 172 100
 171 36.4 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

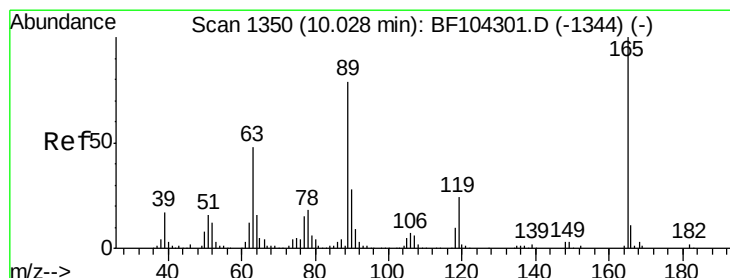
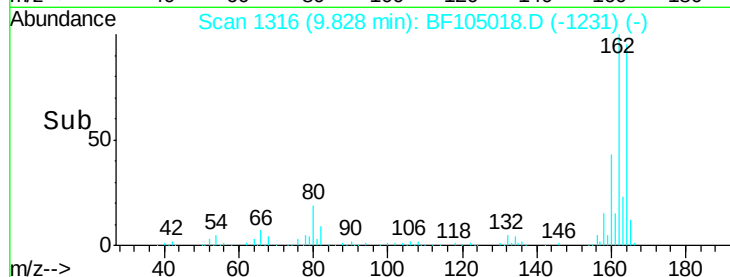
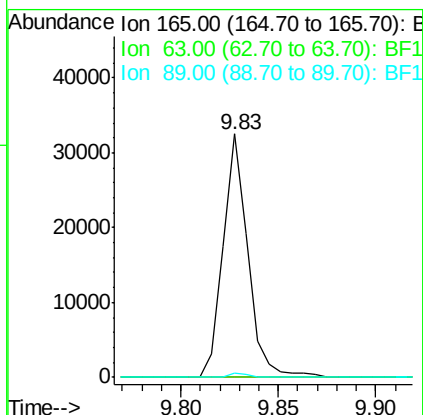
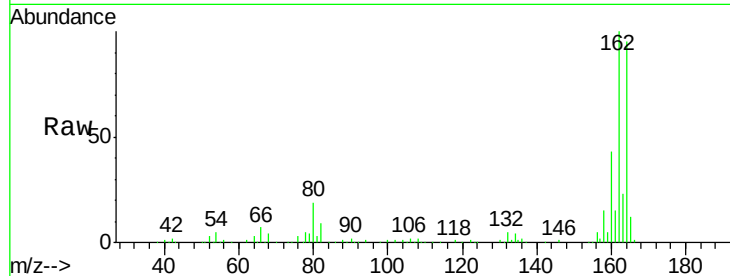




#50
 2,6-Dinitrotoluene
 Concen: 8.669 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.20 min
 Lab File: BF105018.D
 Acq: 2 May 2018 8:13

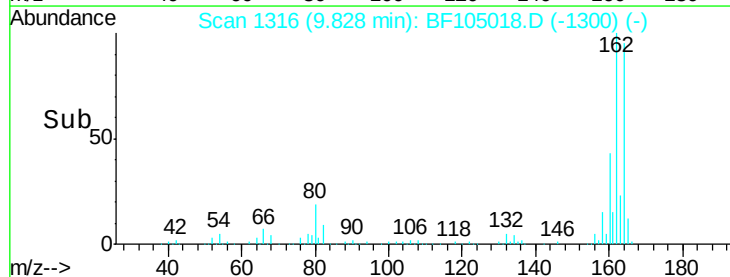
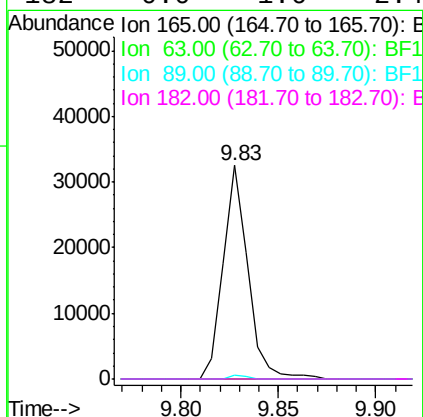
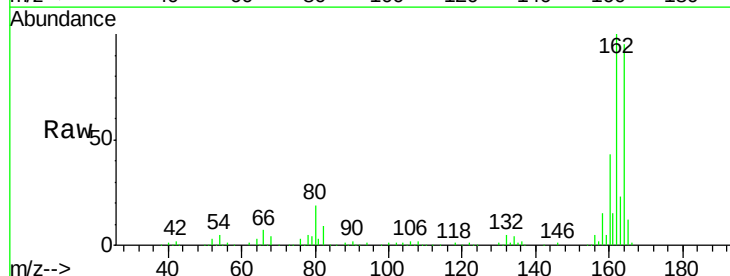
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 PB108770BL

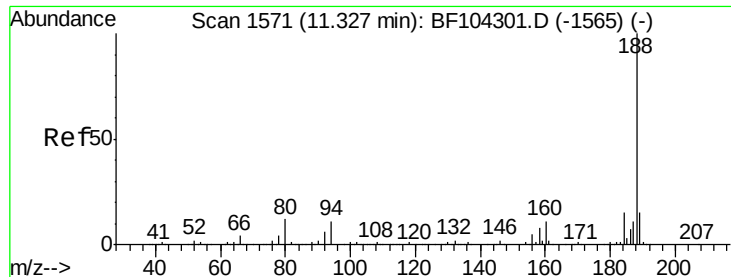
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.609 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF105018.D
 Acq: 2 May 2018 8:13

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#

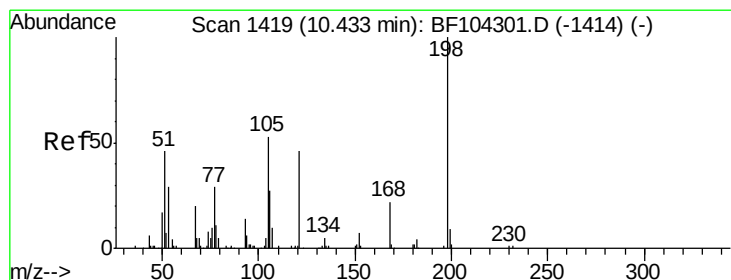
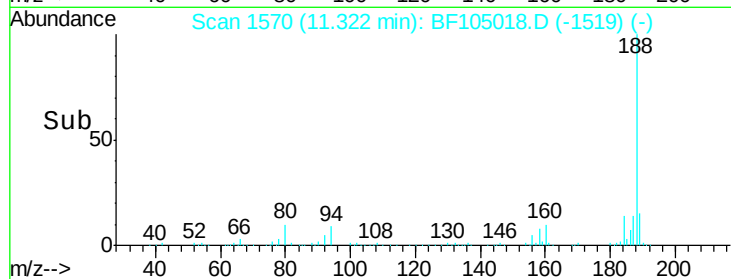
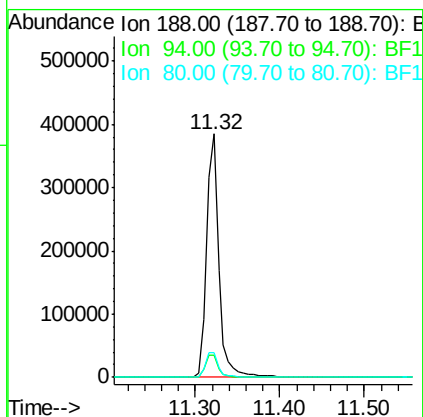
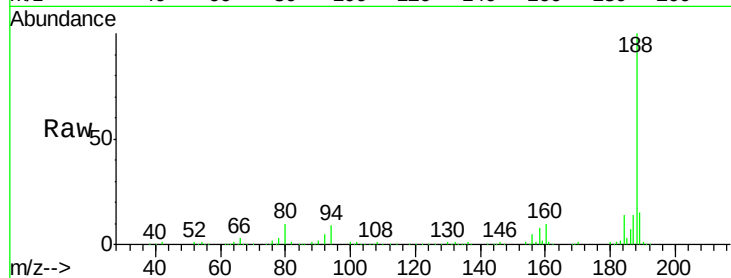




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF105018.D
Acq: 2 May 2018 8:13

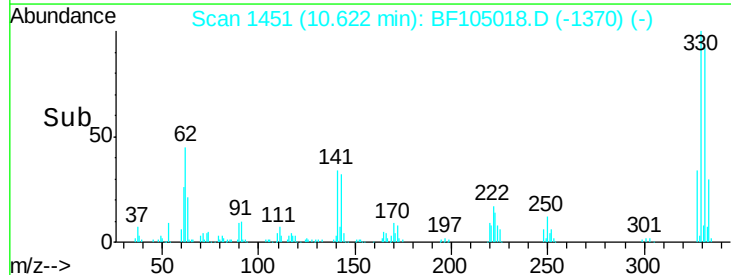
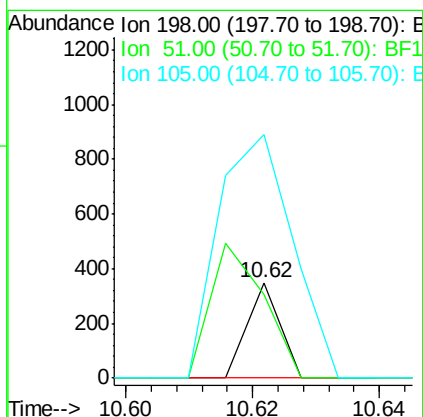
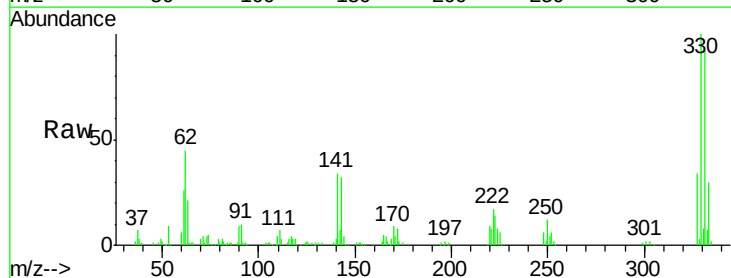
Instrument :
BNA_F
ClientSampleId :
PB108770BL

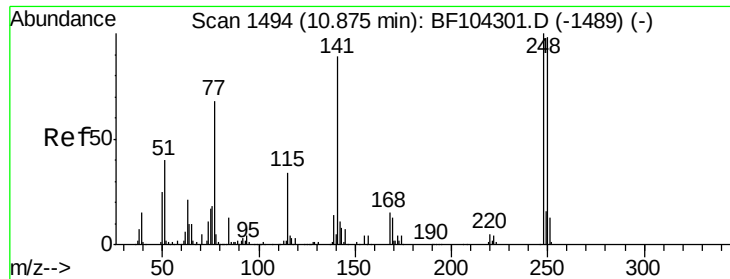
Tgt Ion:188 Resp: 388499
Ion Ratio Lower Upper
188 100
94 9.2 8.5 12.7
80 10.1 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.402 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.18 min
Lab File: BF105018.D
Acq: 2 May 2018 8:13

Tgt Ion:198 Resp: 123
Ion Ratio Lower Upper
198 100
51 87.7 37.7 77.7#
105 255.0 36.3 76.3#

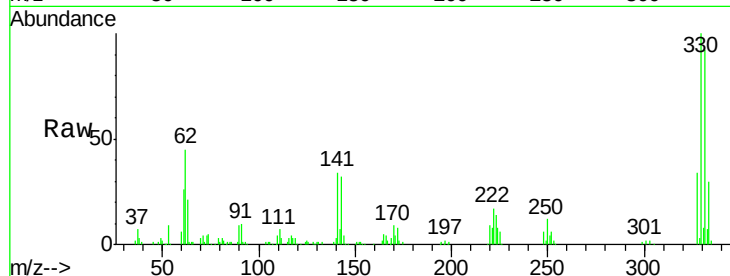




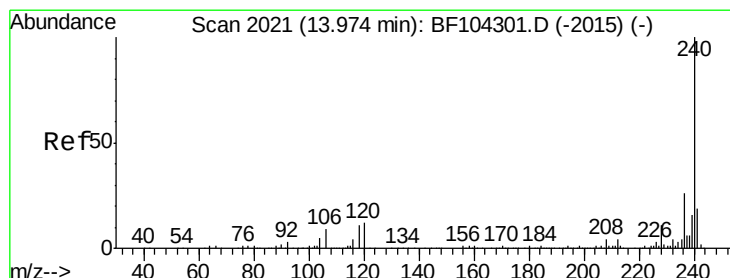
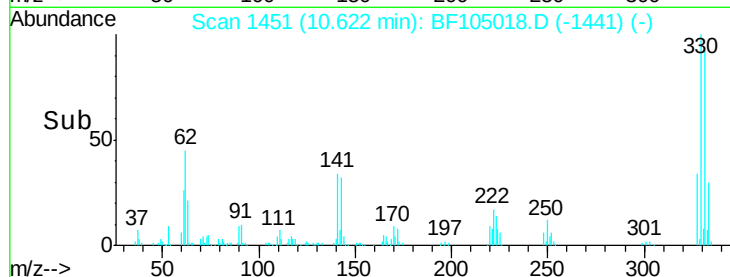
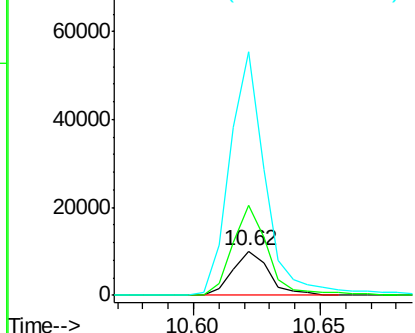
#66
 4-Bromophenyl-phenylether
 Concen: 2.414 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.24 min
 Lab File: BF105018.D
 Acq: 2 May 2018 8:13

Instrument :
 BNA_F
 ClientSampleId :
 PB108770BL

Tgt Ion:248 Resp: 9976
 Ion Ratio Lower Upper
 248 100
 250 202.1 76.9 115.3#
 141 549.6 74.4 111.6#

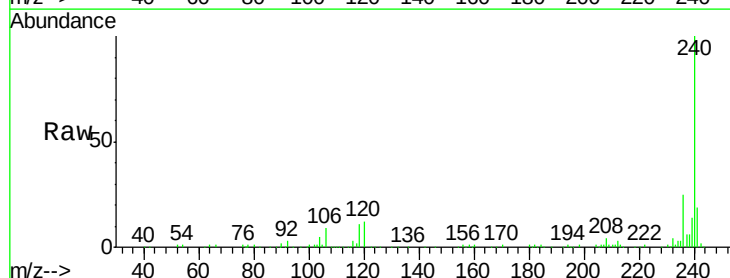


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

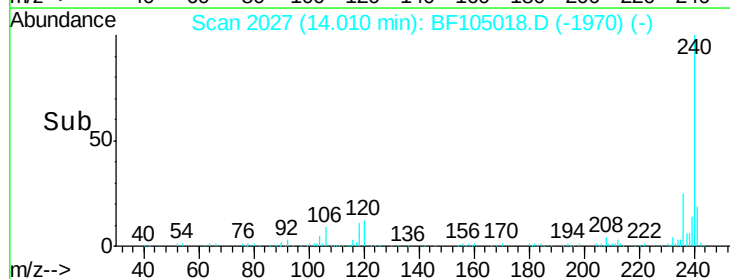
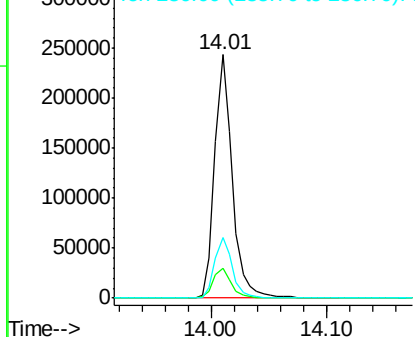


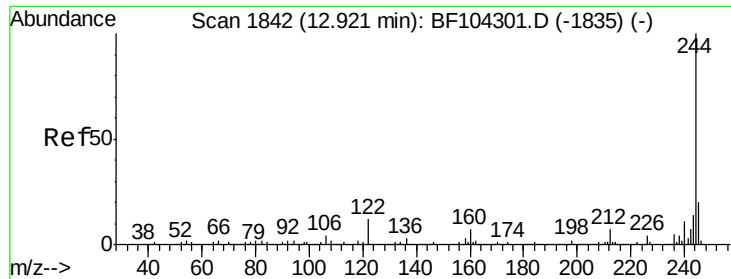
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.04 min
 Lab File: BF105018.D
 Acq: 2 May 2018 8:13

Tgt Ion:240 Resp: 258587
 Ion Ratio Lower Upper
 240 100
 120 12.5 9.5 14.3
 236 25.1 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: 84.648 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF105018.D

Acq: 2 May 2018 8:13

Instrument :

BNA_F

ClientSampleId :

PB108770BL

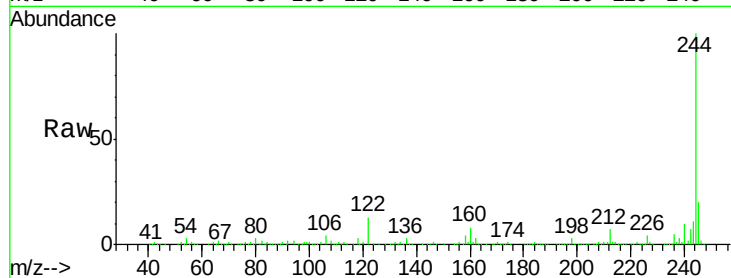
Tgt Ion:244 Resp: 960105

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

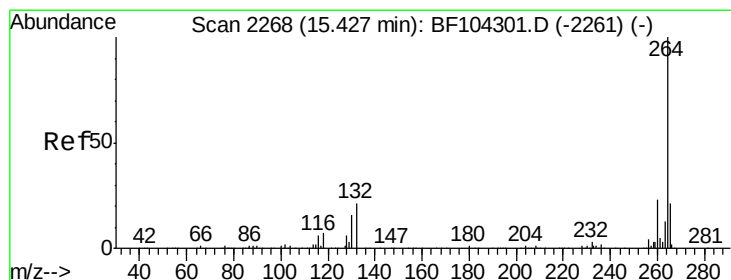
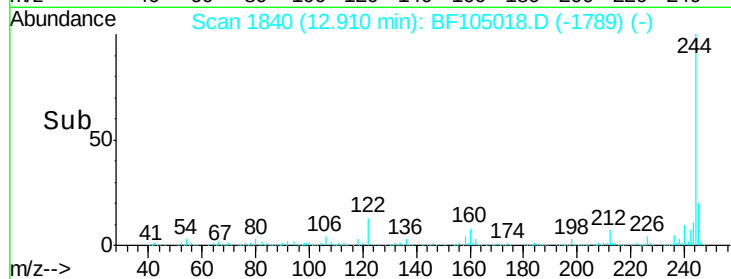
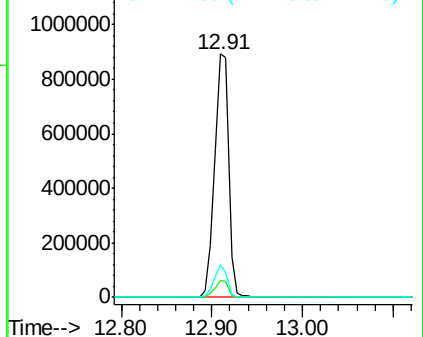
122 13.3 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2291

Delta R.T. 0.13 min

Lab File: BF105018.D

Acq: 2 May 2018 8:13

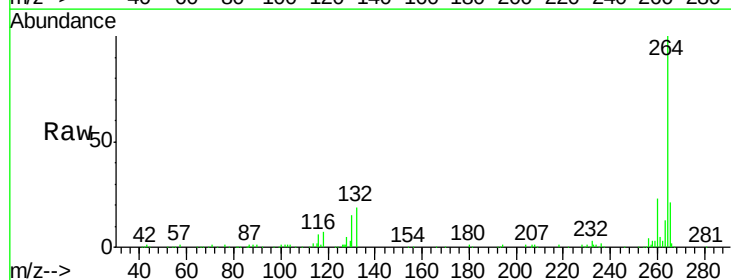
Tgt Ion:264 Resp: 226442

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 21.2 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

