

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104819.D
 Acq On : 26 Apr 2018 6:06
 Operator : JU/SJ
 Sample : J2470-07
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 08:26:12 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

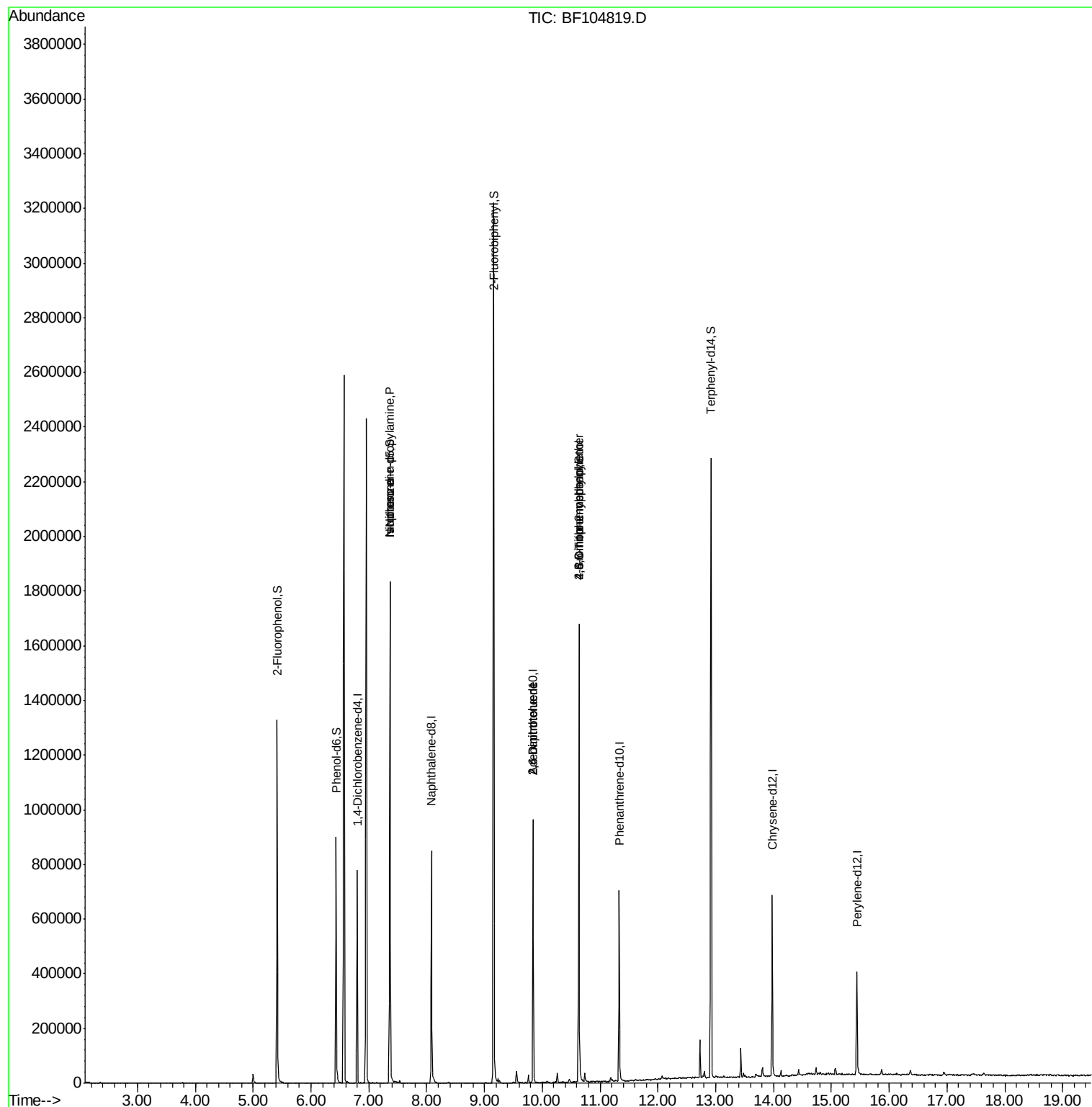
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	109940	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	440803	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	183600	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	270880	20.00	ng	0.00
75) Chrysene-d12	13.97	240	228281	20.00	ng	-0.01
86) Perylene-d12	15.44	264	170095	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	407929	56.74	ng	0.00
7) Phenol-d6	6.43	99	304985	34.52	ng	-0.01
23) Nitrobenzene-d5	7.37	82	654907	97.01	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	215547	113.18	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1115337	95.97	ng	0.00
78) Terphenyl-d14	12.92	244	832555	83.15	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	85537	14.817	ng	# 71
25) Isophorone	7.37	82	654900	45.877	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	22667	8.461	ng	# 26
56) 2,4-Dinitrotoluene	9.84	165	22667	6.450	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.63	198	458	7.641	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	12747	4.424	ng	# 1
76) Benizidine	12.92	184	10861	Below Cal		# 96

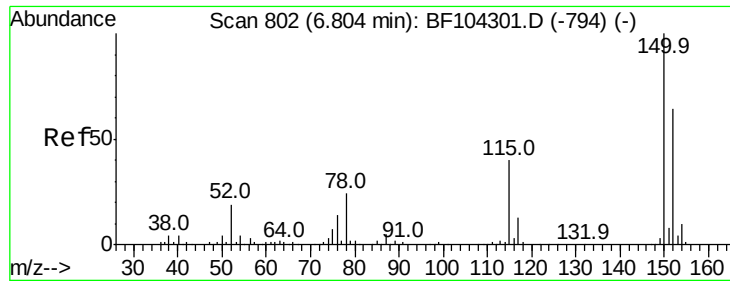
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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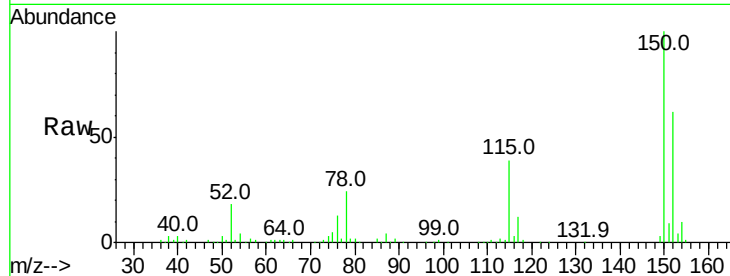


#1

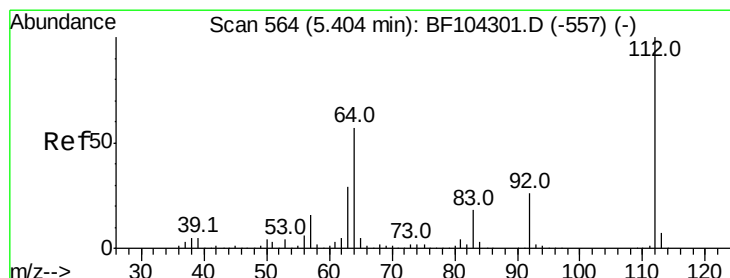
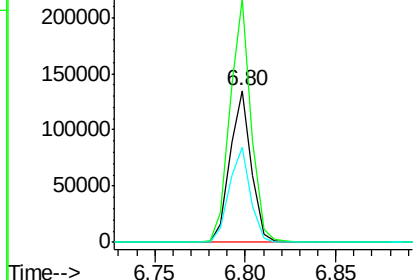
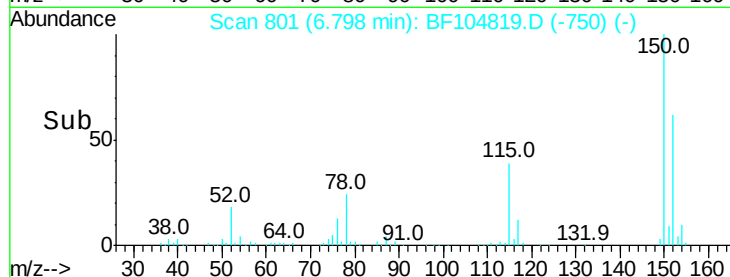
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104819.D
Acq: 26 Apr 2018 6:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 109940
Ion Ratio Lower Upper
152 100
150 160.2 124.6 186.8
115 62.4 50.1 75.1



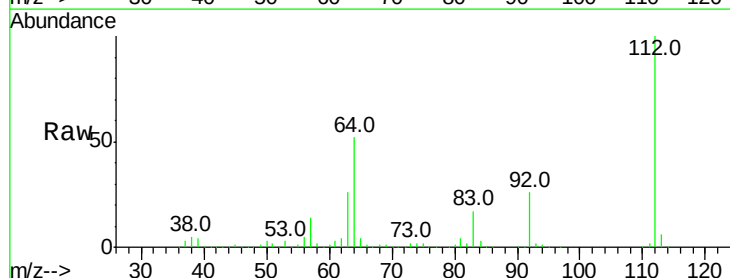
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



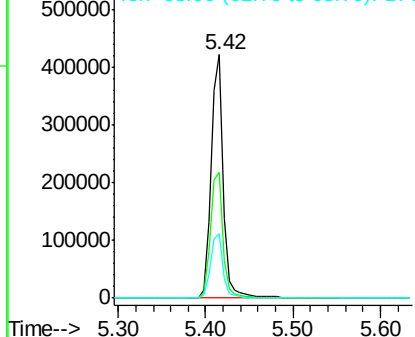
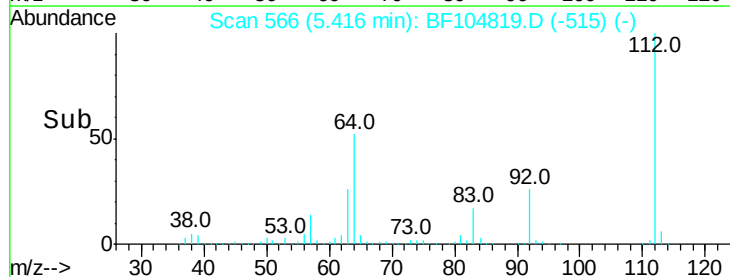
#5

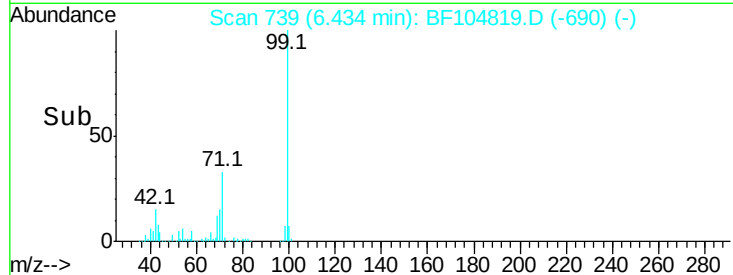
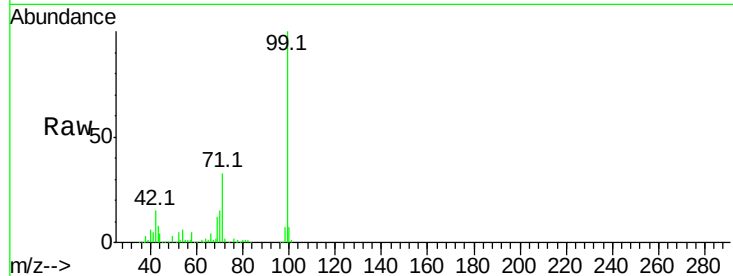
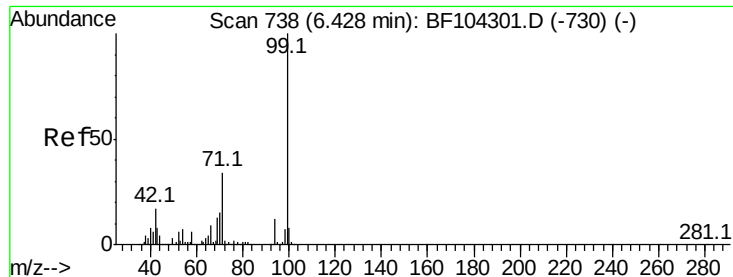
2-Fluorophenol
Concen: 56.735 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104819.D
Acq: 26 Apr 2018 6:06

Tgt Ion:112 Resp: 407929
Ion Ratio Lower Upper
112 100
64 51.8 47.9 71.9
63 26.4 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: 34.523 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104819.D

Acq: 26 Apr 2018 6:06

Instrument :

BNA_F

ClientSampleId :

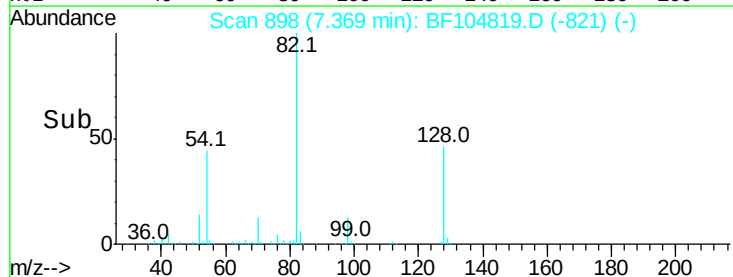
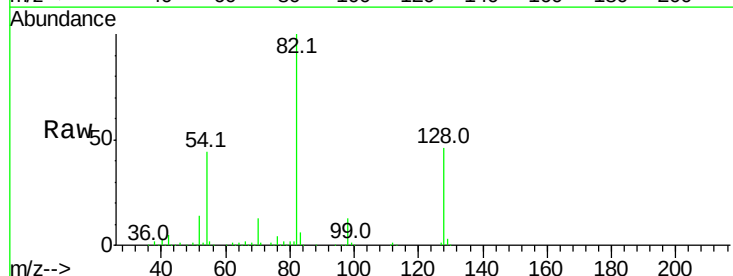
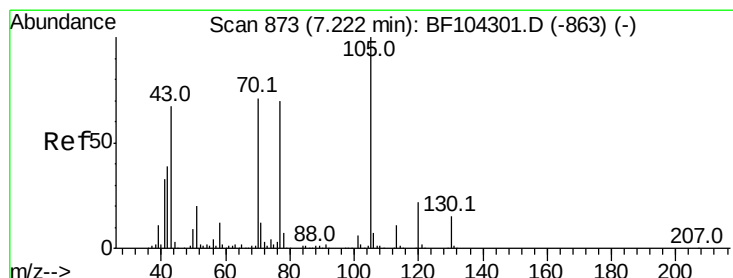
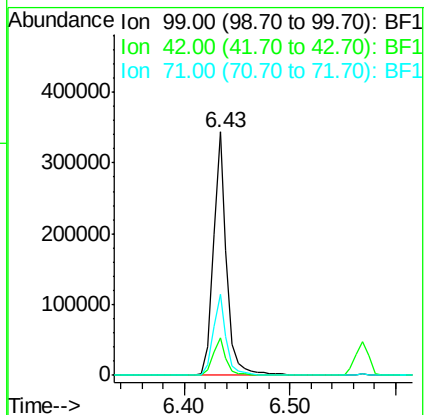
Tot Ion: 99 Resp: 304985

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

71 33.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.817 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104819.D

Acq: 26 Apr 2018 6:06

Tgt Ion: 70 Resp: 85537

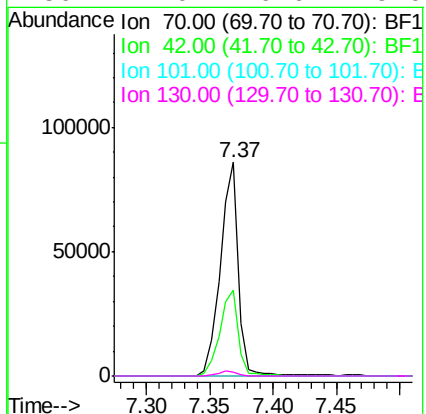
Ion Ratio Lower Upper

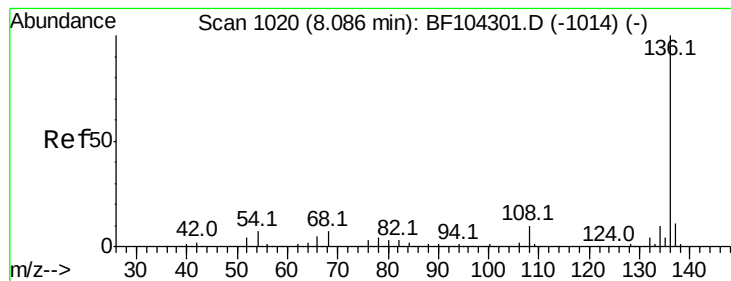
70 100

42 40.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104819.D

Acq: 26 Apr 2018 6:06

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 440803

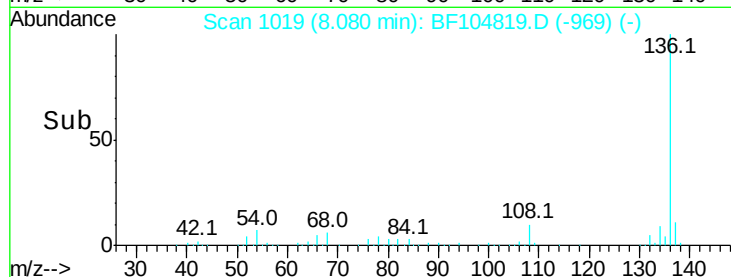
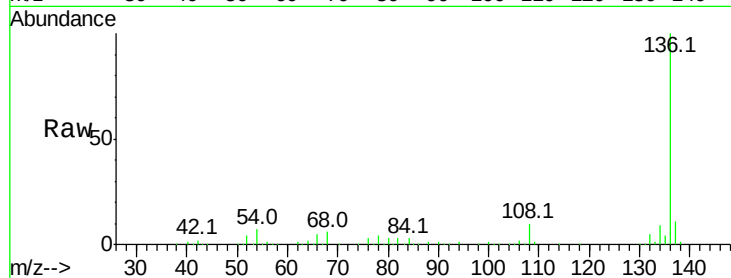
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 6.9 6.6 9.8

68 5.7 5.0 7.4

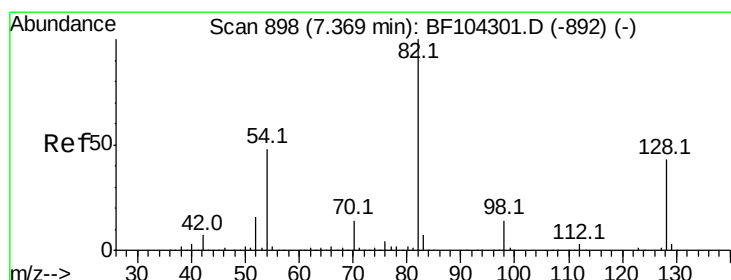
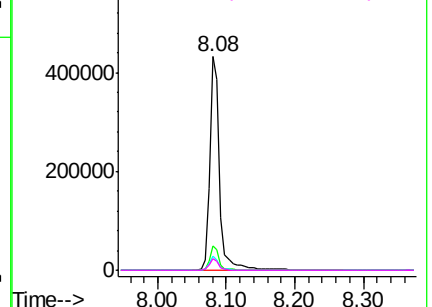


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.014 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104819.D

Acq: 26 Apr 2018 6:06

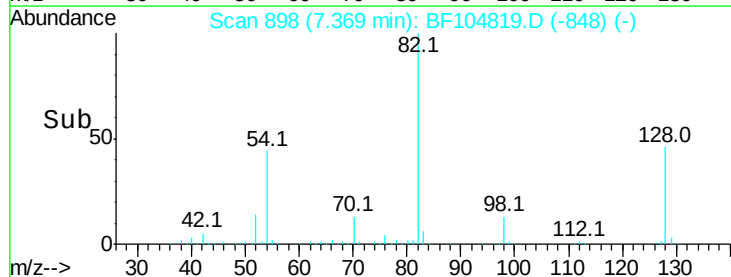
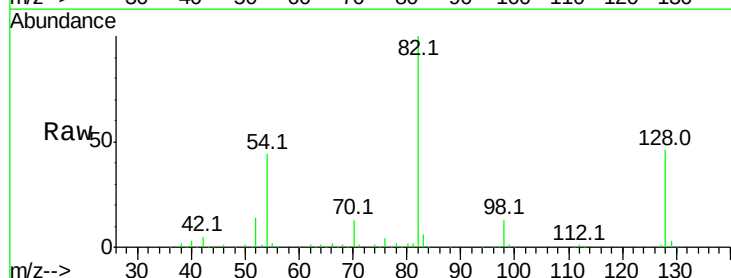
Tgt Ion: 82 Resp: 654907

Ion Ratio Lower Upper

82 100

128 46.3 36.1 54.1

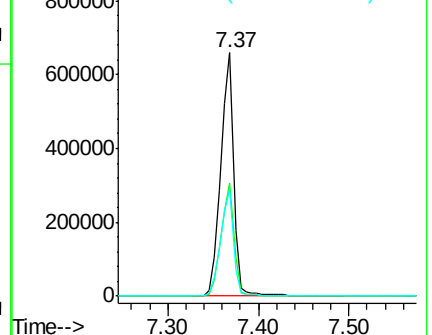
54 43.6 41.4 62.2

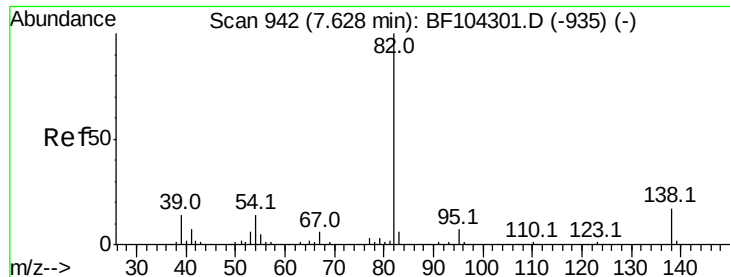


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.877 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104819.D

Acq: 26 Apr 2018 6:06

Instrument :

BNA_F

ClientSampled :

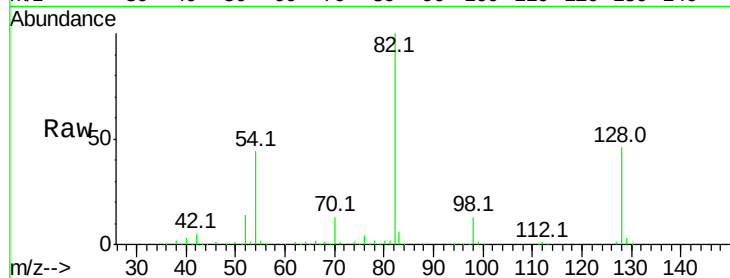
Tot Ion: 82 Resp: 654900

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

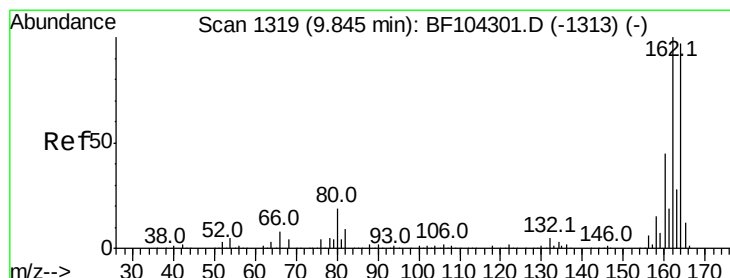
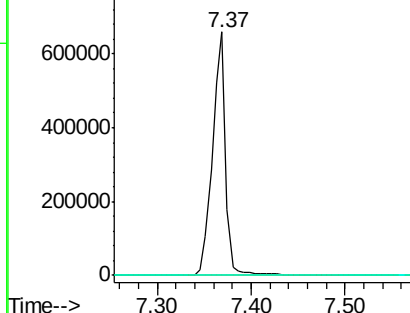
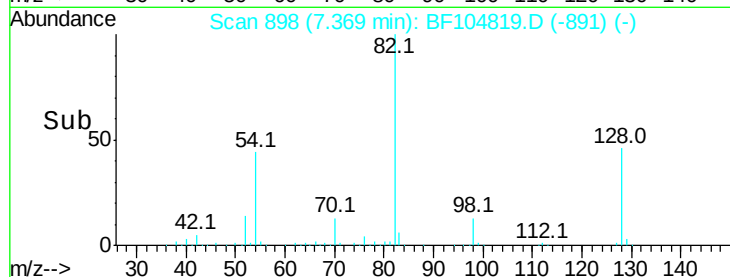
138 0.0 14.9 22.3#



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: BF104819.D

Acq: 26 Apr 2018 6:06

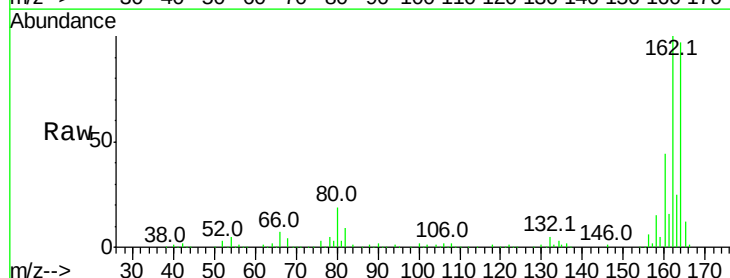
Tgt Ion: 164 Resp: 183600

Ion Ratio Lower Upper

164 100

162 102.9 86.1 129.1

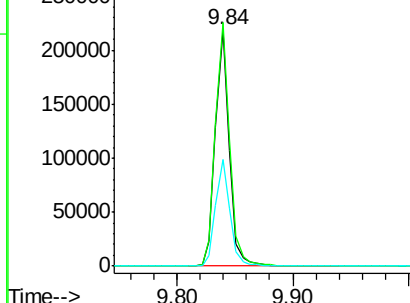
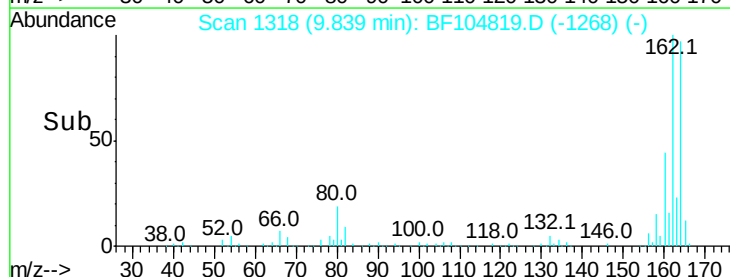
160 45.3 38.3 57.5

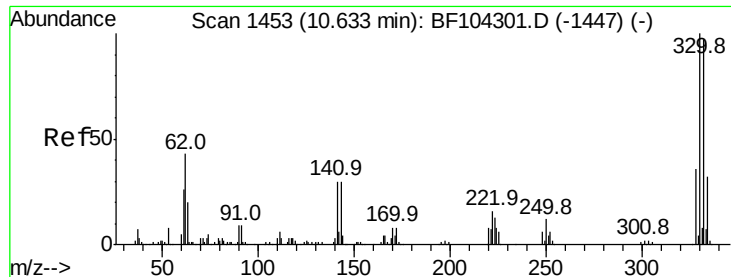


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

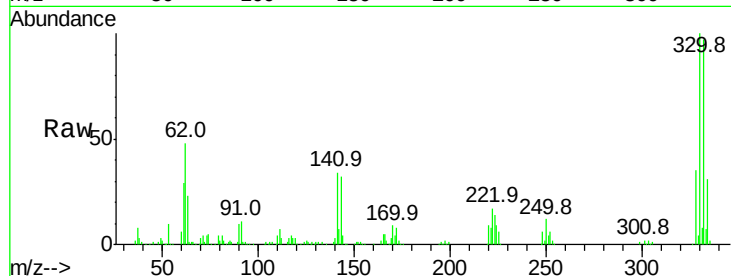




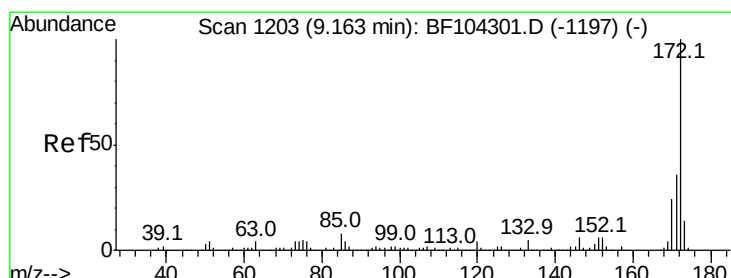
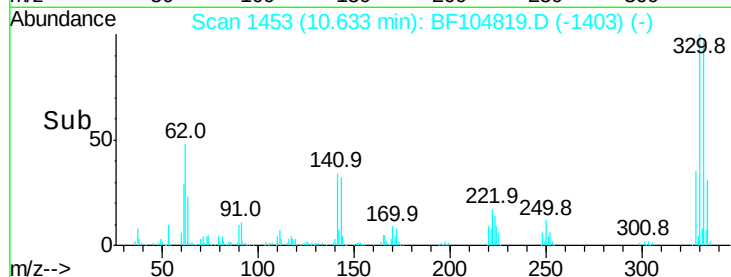
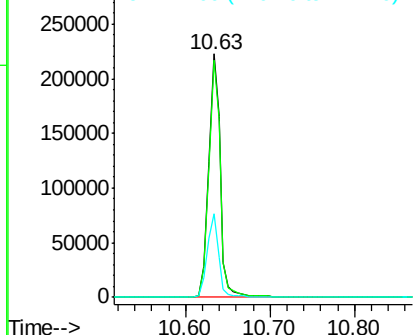
#41
 2,4,6-Tribromophenol
 Concen: 113.176 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104819.D
 Acq: 26 Apr 2018 6:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	33.2	29.9	44.9

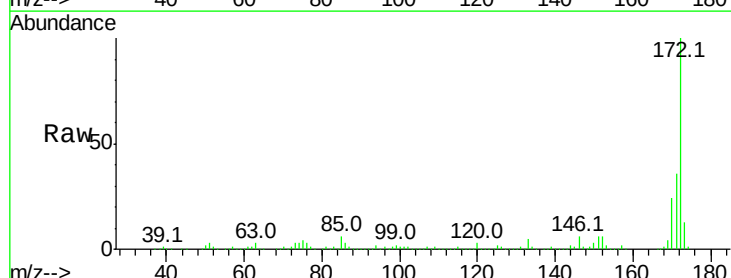


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

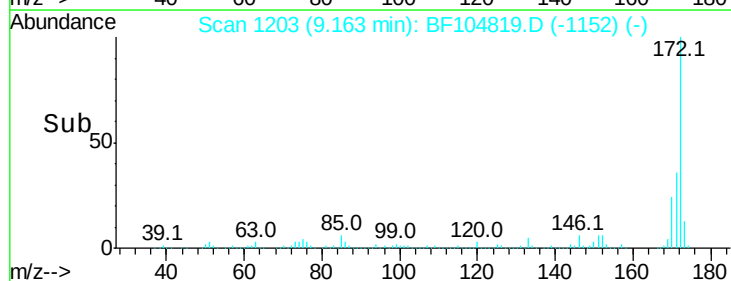
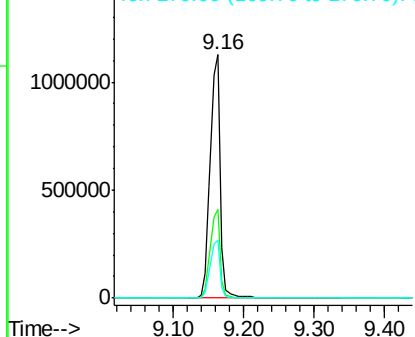


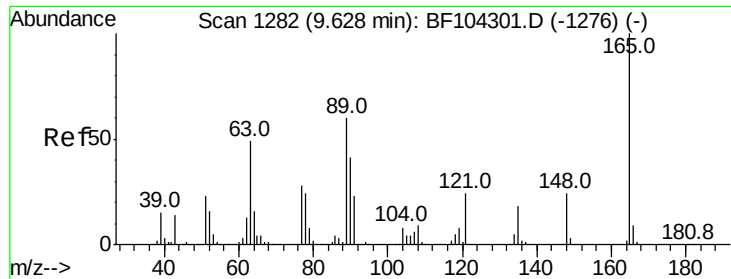
#44
 2-Fluorobiphenyl
 Concen: 95.967 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF104819.D
 Acq: 26 Apr 2018 6:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	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

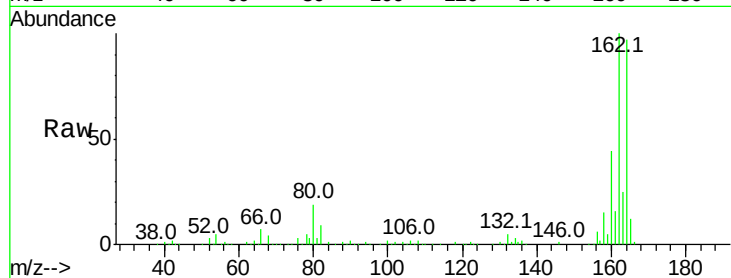




#50
 2,6-Dinitrotoluene
 Concen: 8.461 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104819.D
 Acq: 26 Apr 2018 6:06

Instrument :
 BNA_F
 ClientSampleId :

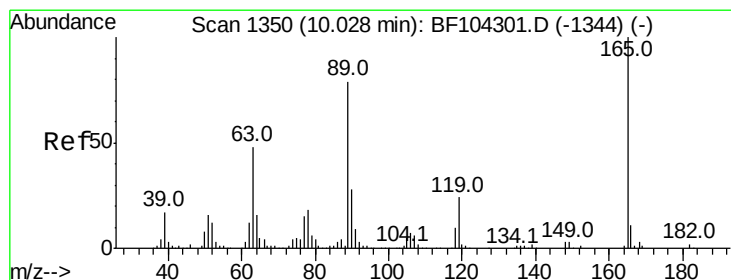
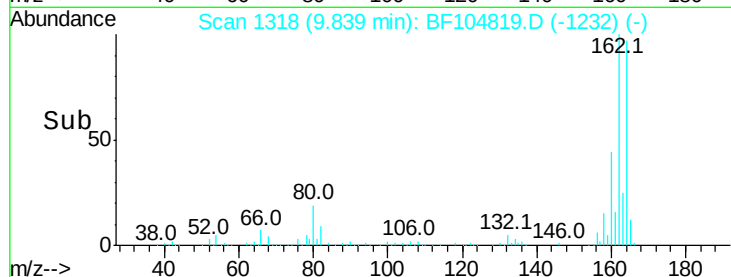
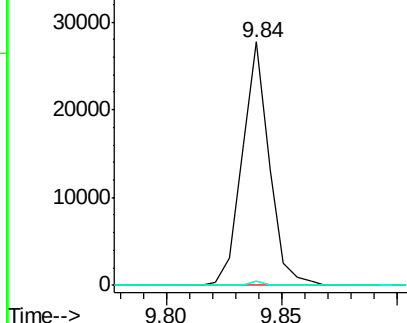
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.7	67.1#
89	1.6	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

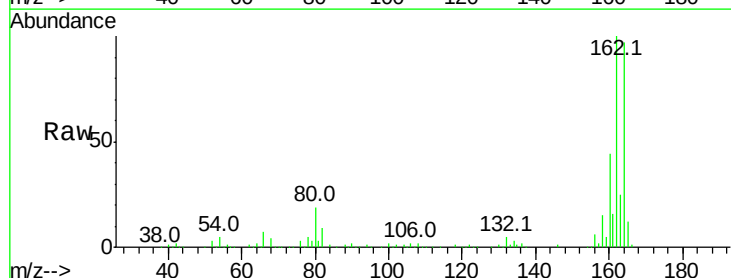
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 6.450 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104819.D
 Acq: 26 Apr 2018 6:06

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

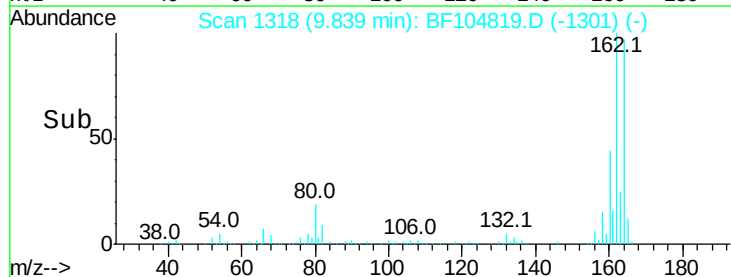
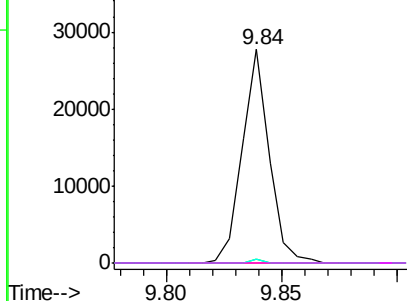


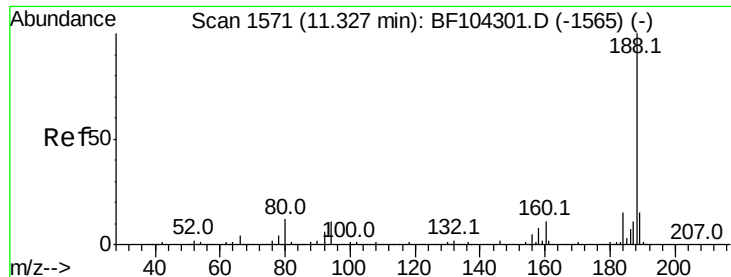
Abundance Ion 165.00 (164.70 to 165.70): E

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

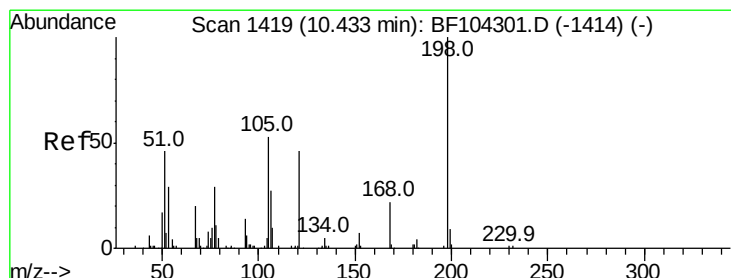
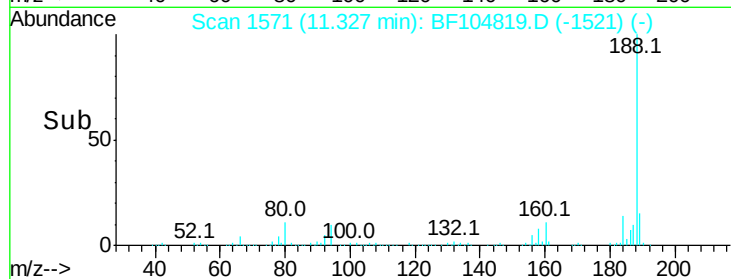
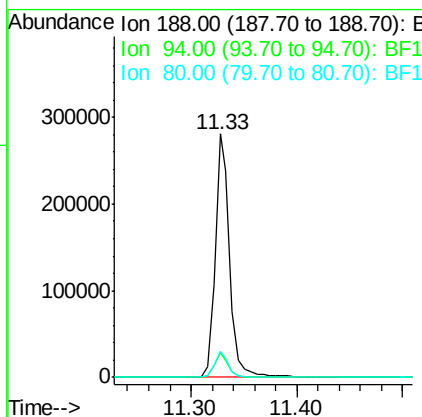
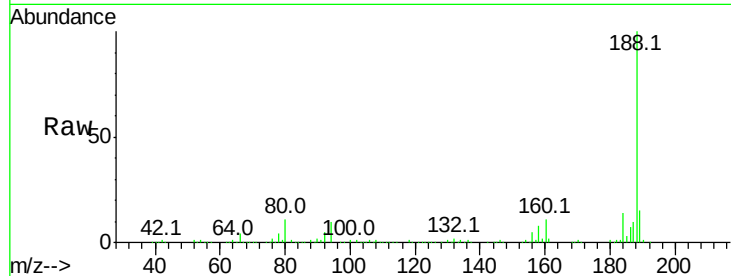




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104819.D
Acq: 26 Apr 2018 6:06

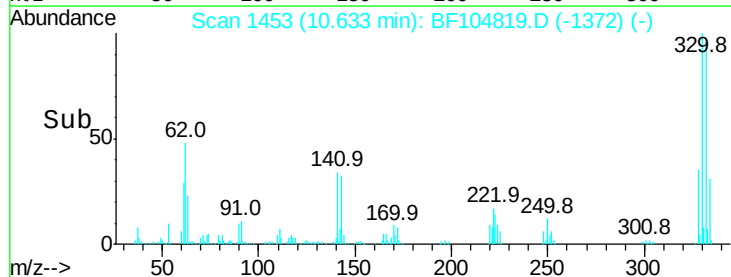
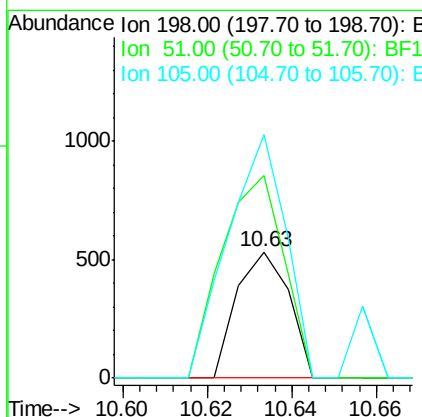
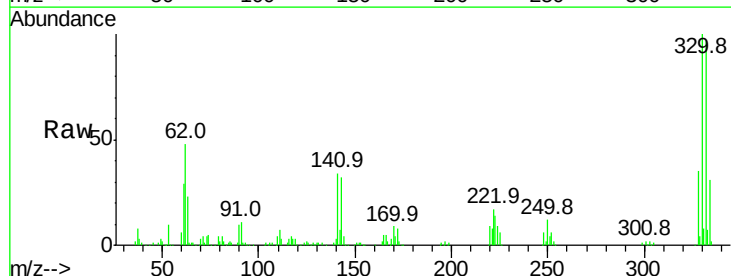
Instrument :
BNA_F
ClientSampleId :

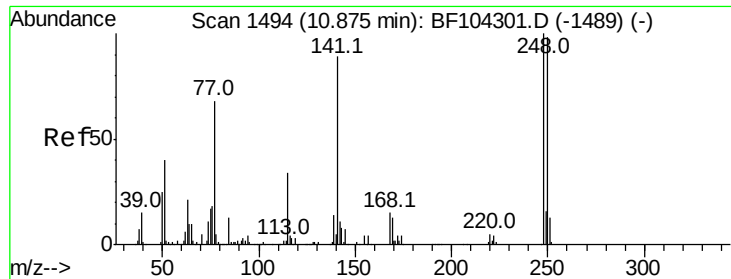
Tot Ion:188 Resp: 270880
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 10.7 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.641 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104819.D
Acq: 26 Apr 2018 6:06

Tgt Ion:198 Resp: 458
Ion Ratio Lower Upper
198 100
51 161.0 37.7 77.7#
105 193.4 36.3 76.3#

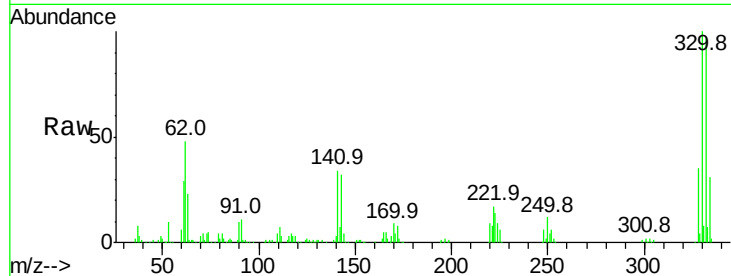




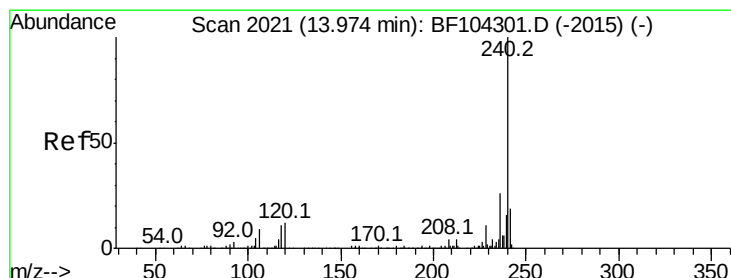
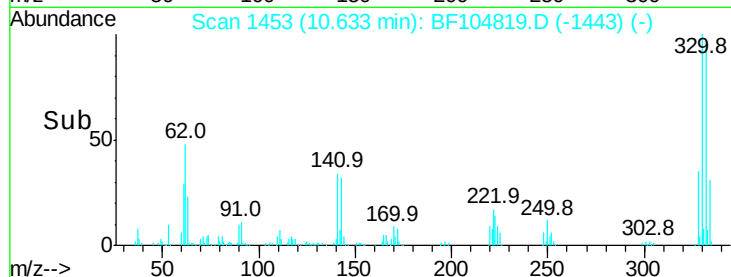
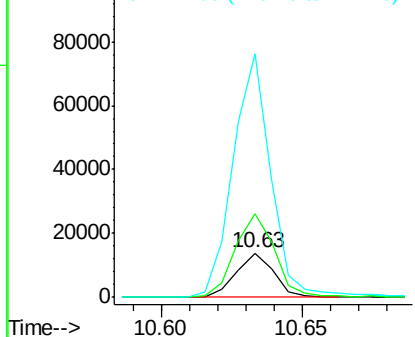
#66
 4-Bromophenyl-phenylether
 Concen: 4.424 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104819.D
 Acq: 26 Apr 2018 6:06

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 12747
 Ion Ratio Lower Upper
 248 100
 250 187.1 76.9 115.3#
 141 546.6 74.4 111.6#

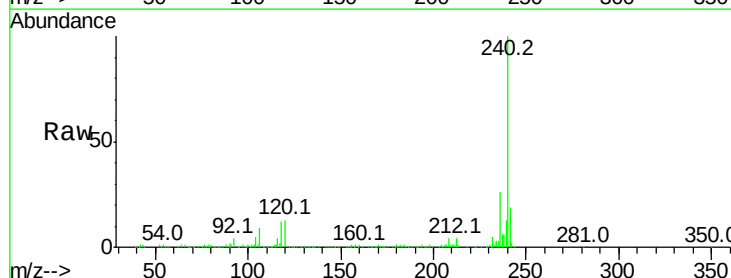


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

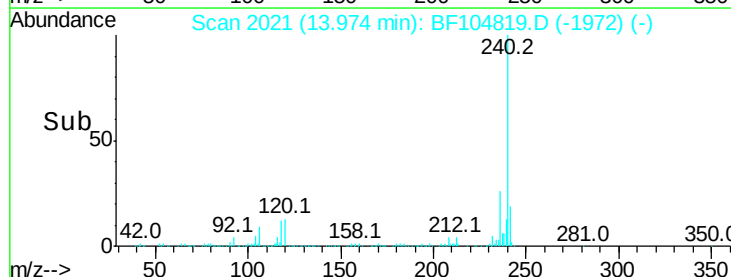
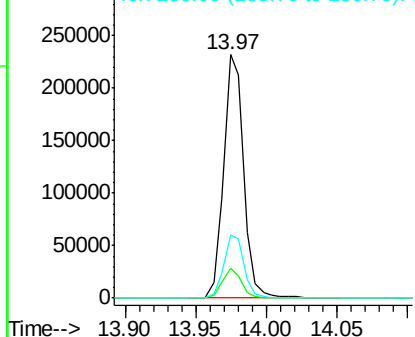


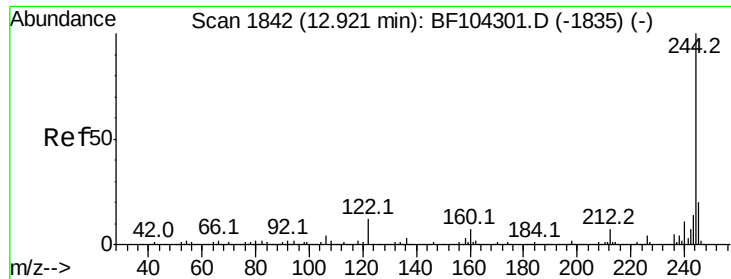
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104819.D
 Acq: 26 Apr 2018 6:06

Tgt Ion:240 Resp: 228281
 Ion Ratio Lower Upper
 240 100
 120 12.5 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: 83.147 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104819.D

Acq: 26 Apr 2018 6:06

Instrument :

BNA_F

ClientSampleId :

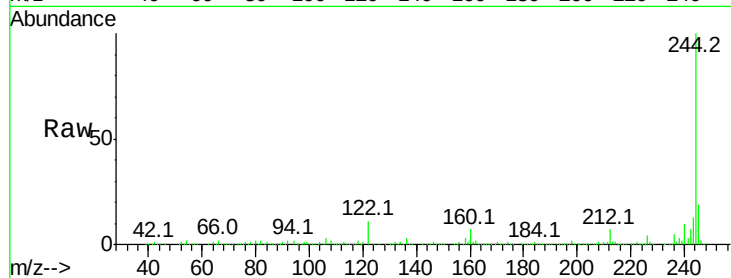
Tot Ion:244 Resp: 832555

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

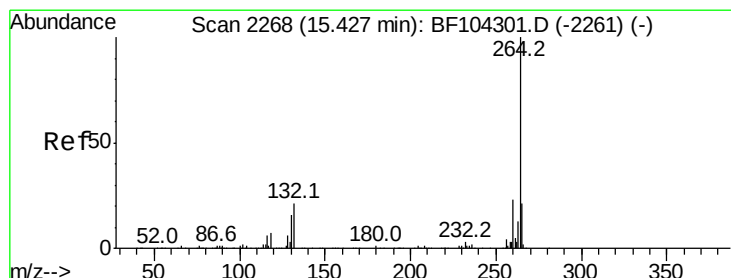
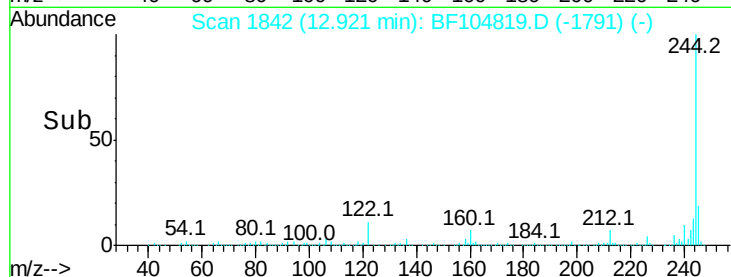
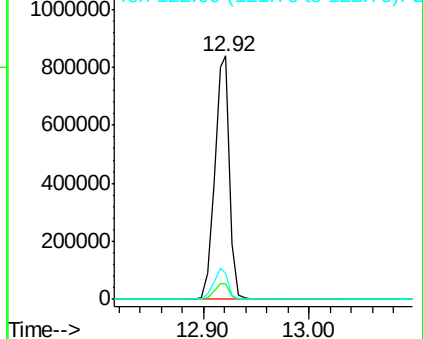
122 10.6 11.0 16.4#



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: 15.44 min Scan# 2271

Delta R.T. -0.02 min

Lab File: BF104819.D

Acq: 26 Apr 2018 6:06

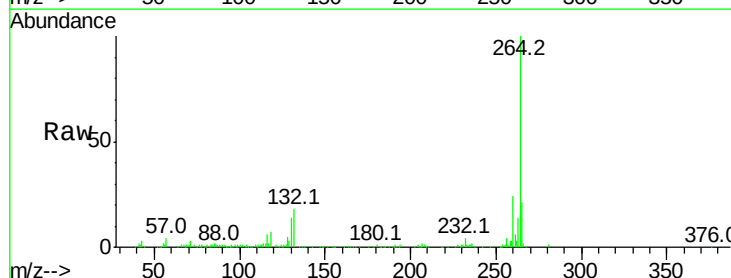
Tgt Ion:264 Resp: 170095

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 20.9 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

