

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
 Data File : BF104414.D
 Acq On : 10 Apr 2018 17:40
 Operator : JU/SJ
 Sample : J2301-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 18:13:32 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 12:04:31 2018
 Response via : Initial Calibration

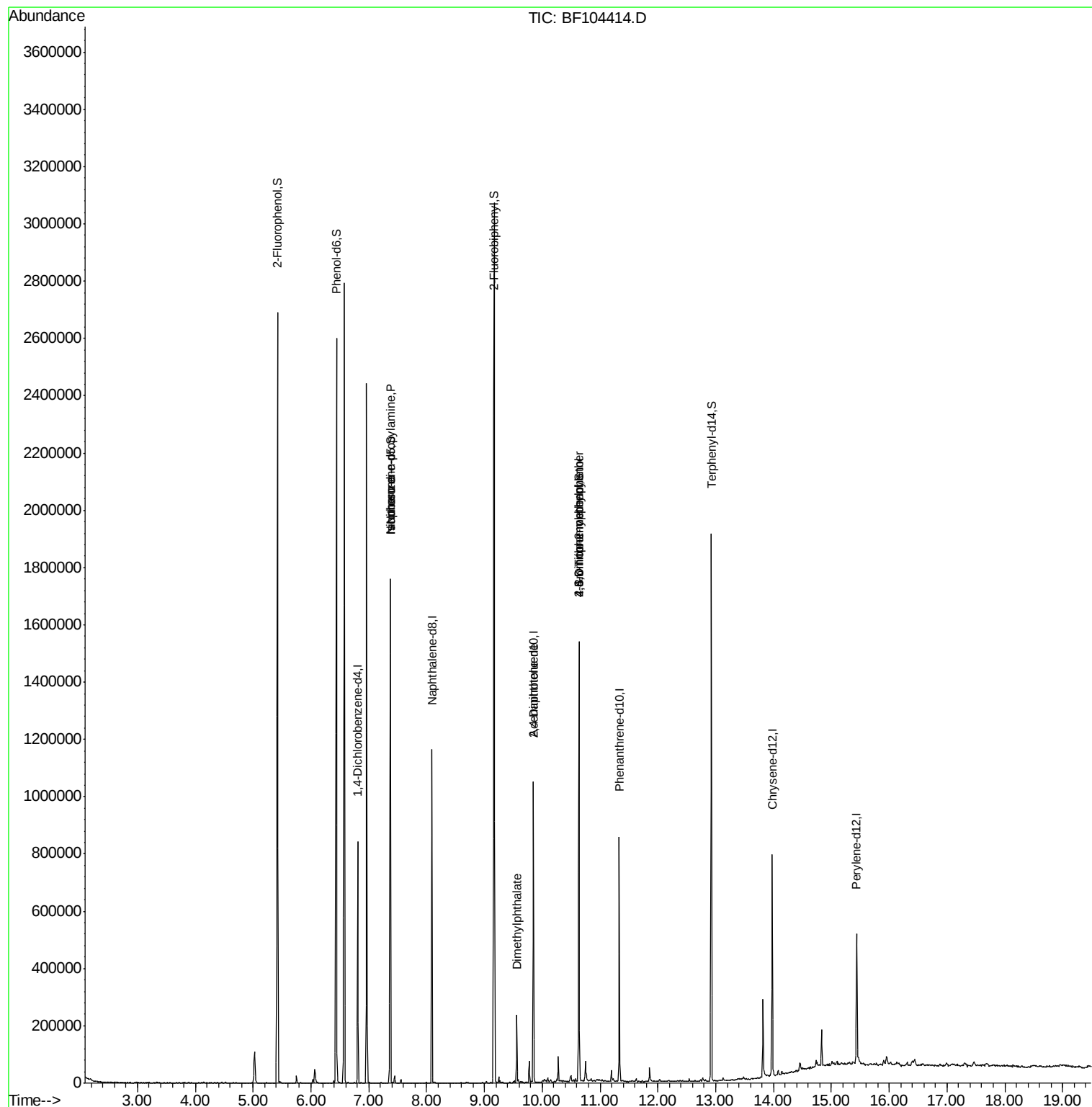
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	123599	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	475720	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	189555	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	275325	20.00	ng	0.00
75) Chrysene-d12	13.98	240	253142	20.00	ng	0.00
86) Perylene-d12	15.44	264	194381	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	811588	100.40	ng	0.01
7) Phenol-d6	6.44	99	974923	98.16	ng	0.00
23) Nitrobenzene-d5	7.37	82	585961	80.43	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	176824	89.93	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	897262	74.78	ng	0.00
78) Terphenyl-d14	12.92	244	654945	58.99	ng	0.00
Target Compounds						
9) Benzaldehyde	6.44	77	1668	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	76543	11.794	ng	# 74
25) Isophorone	7.37	82	585683	38.017	ng	# 64
49) Dimethylphthalate	9.56	163	88559	5.925	ng	100
56) 2,4-Dinitrotoluene	9.85	165	24599	6.780	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	306	7.540	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	10924	3.730	ng	# 1
76) Benzydine	12.92	184	8815	Below Cal	#	94

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

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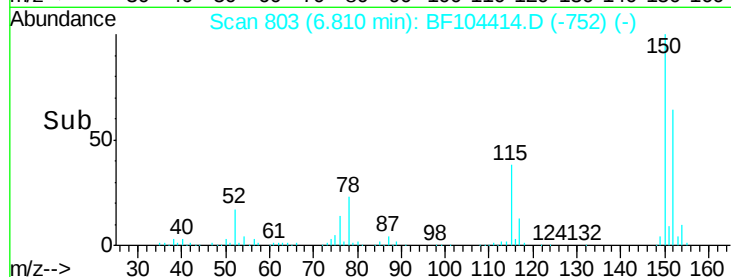
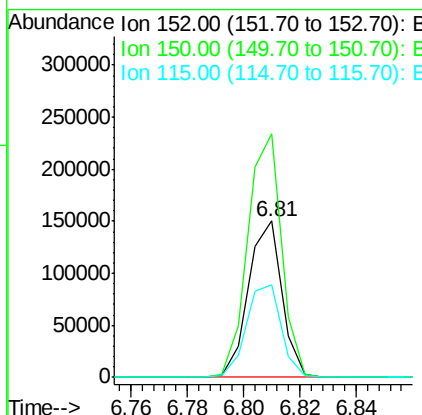
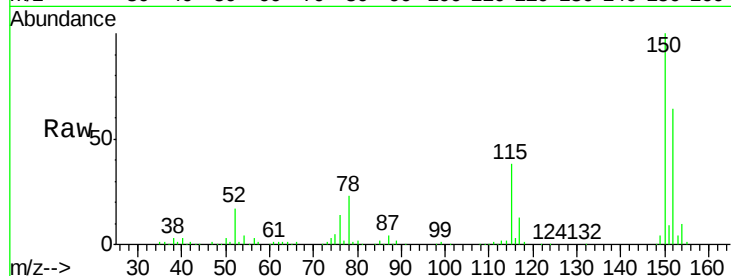


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: BF104414.D
 Acq: 10 Apr 2018 17:40

Instrument :
 BNA_F
 ClientSampleId :

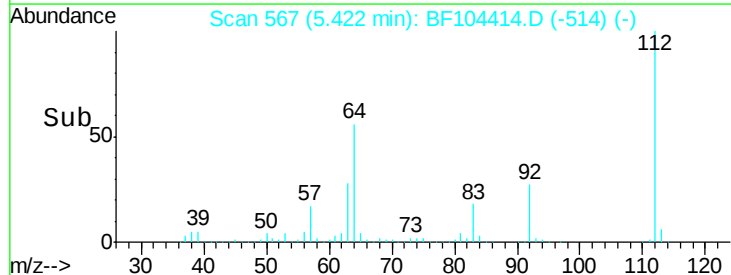
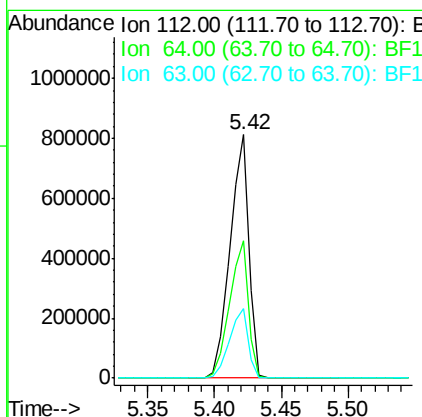
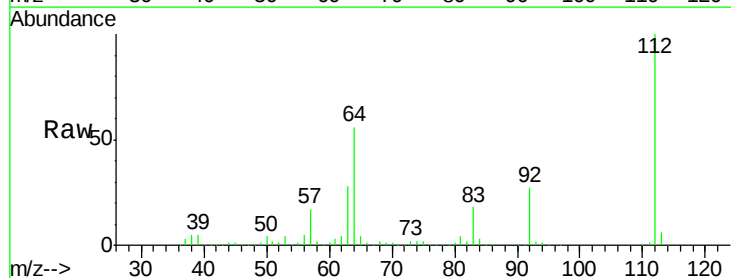
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	59.3	50.1	75.1

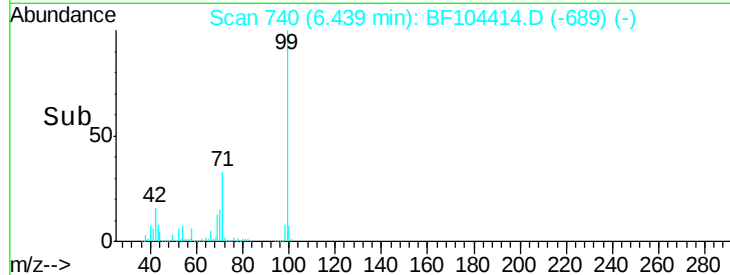
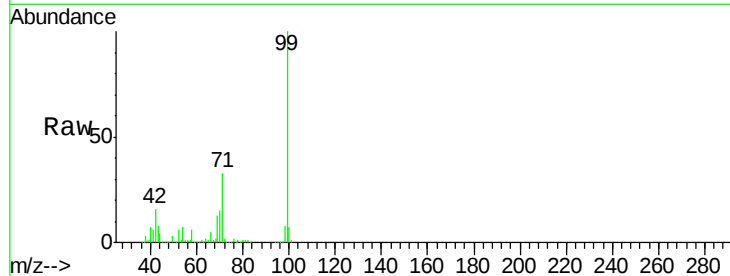


#5

2-Fluorophenol
 Concen: 100.402 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF104414.D
 Acq: 10 Apr 2018 17:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.9	71.9
63	28.5	23.7	35.5





#7

Phenol-d6

Concen: 98.162 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF104414.D

Acq: 10 Apr 2018 17:40

Instrument :

BNA_F

ClientSampleId :

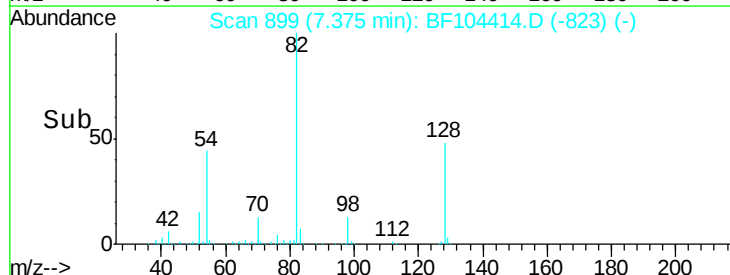
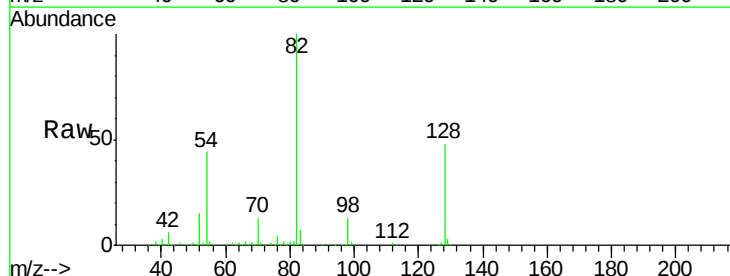
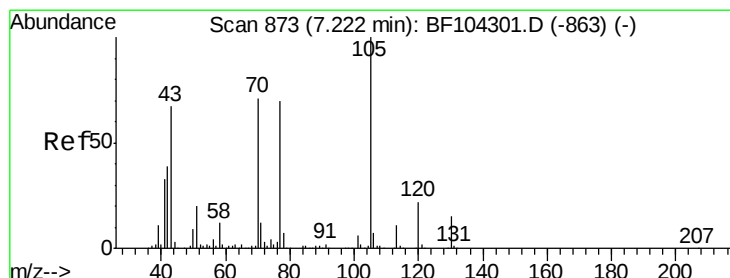
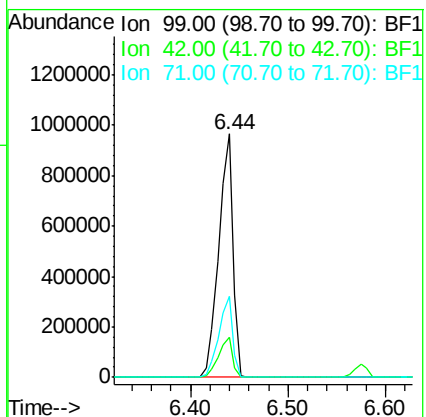
Tot Ion: 99 Resp: 974923

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

71 33.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.794 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104414.D

Acq: 10 Apr 2018 17:40

Tgt Ion: 70 Resp: 76543

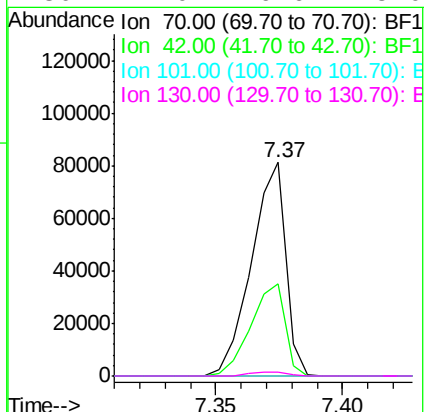
Ion Ratio Lower Upper

70 100

42 43.2 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: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF104414.D

Acq: 10 Apr 2018 17:40

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 475720

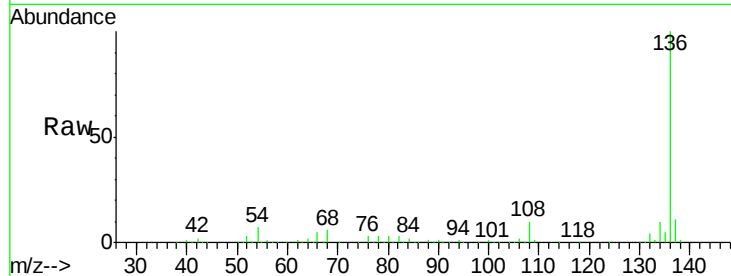
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 6.5 6.6 9.8#

68 5.9 5.0 7.4

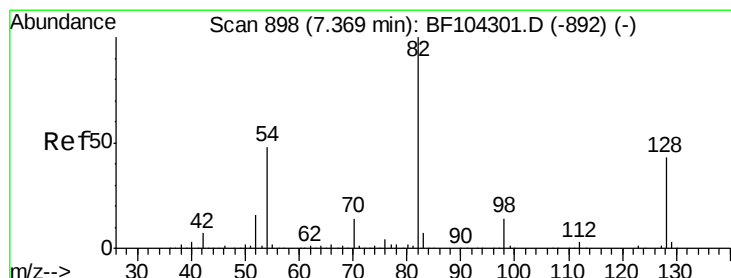
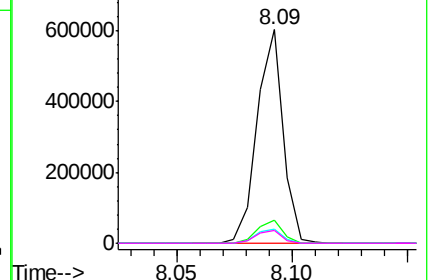
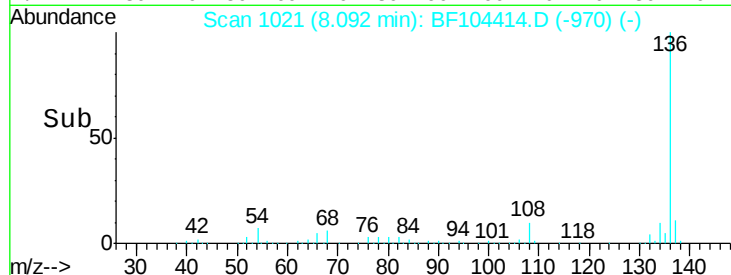


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.430 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.00 min

Lab File: BF104414.D

Acq: 10 Apr 2018 17:40

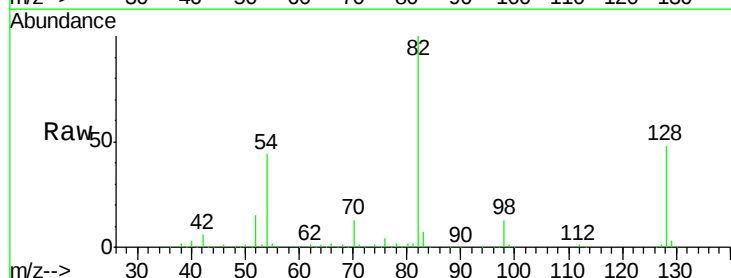
Tgt Ion: 82 Resp: 585961

Ion Ratio Lower Upper

82 100

128 48.1 36.1 54.1

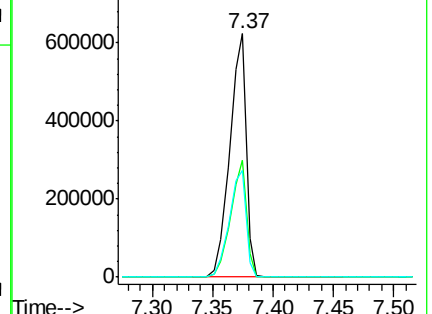
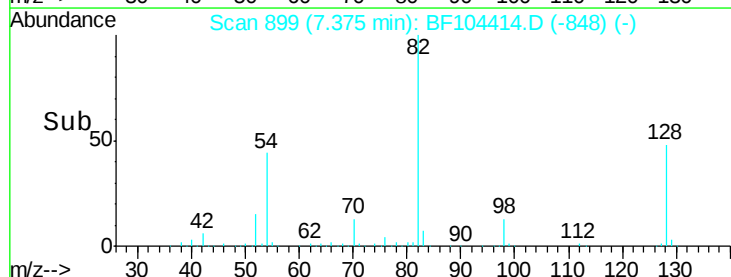
54 43.8 41.4 62.2



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: 38.017 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104414.D

Acq: 10 Apr 2018 17:40

Instrument :

BNA_F

ClientSampleId :

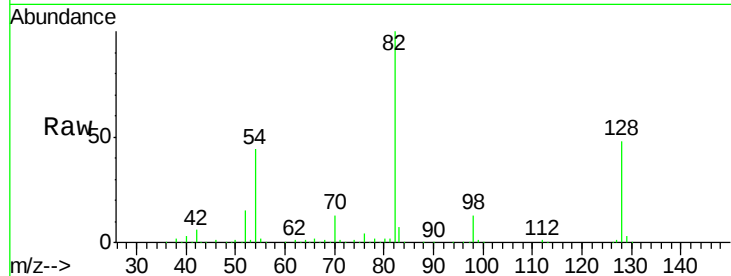
Tot Ion: 82 Resp: 585683

Ion Ratio Lower Upper

82 100

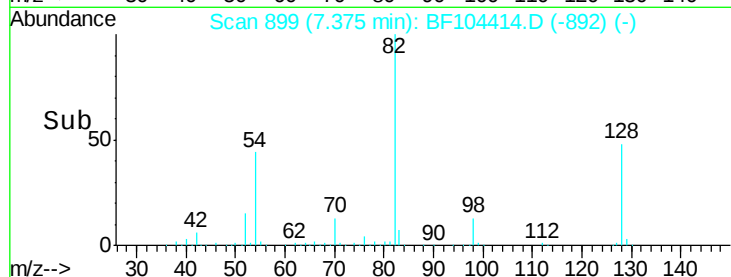
95 0.0 5.2 7.8#

138 0.0 14.9 22.3#

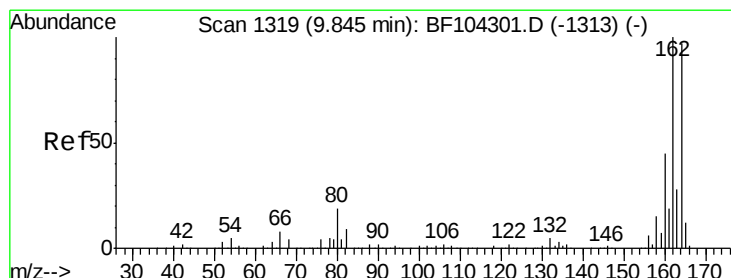


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

7.37



Time--> 7.30 7.35 7.40 7.45



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF104414.D

Acq: 10 Apr 2018 17:40

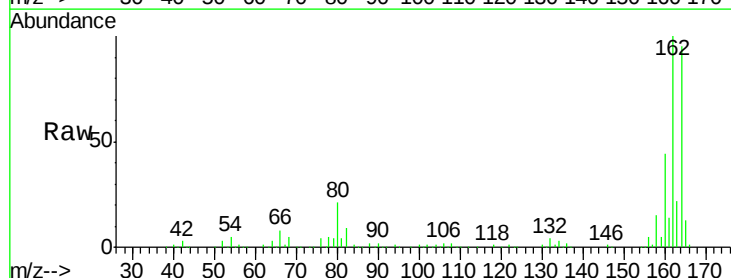
Tgt Ion: 164 Resp: 189555

Ion Ratio Lower Upper

164 100

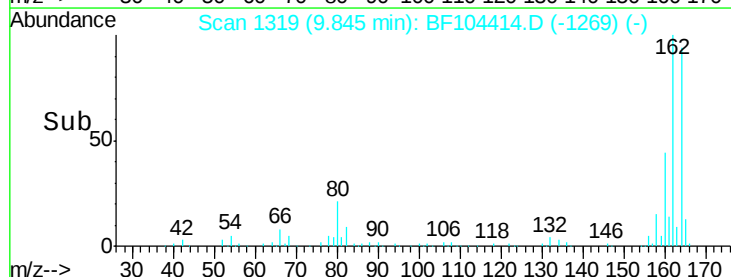
162 105.1 86.1 129.1

160 45.8 38.3 57.5

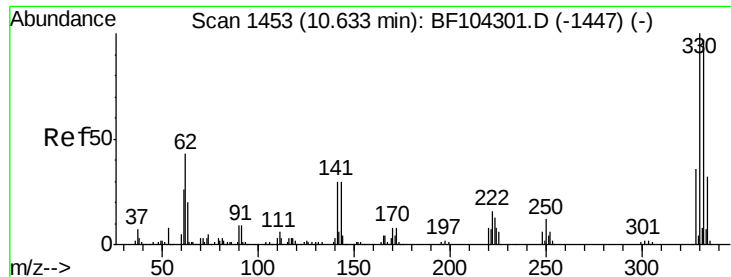


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

9.85



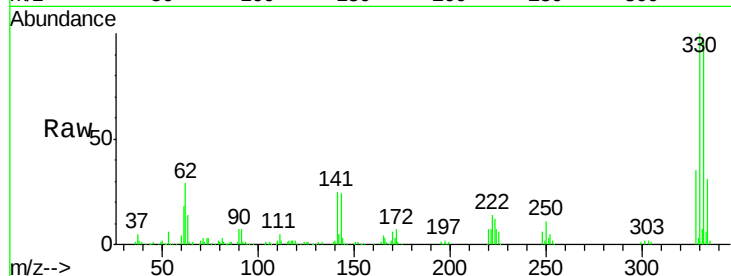
Time--> 9.80 9.85 9.90



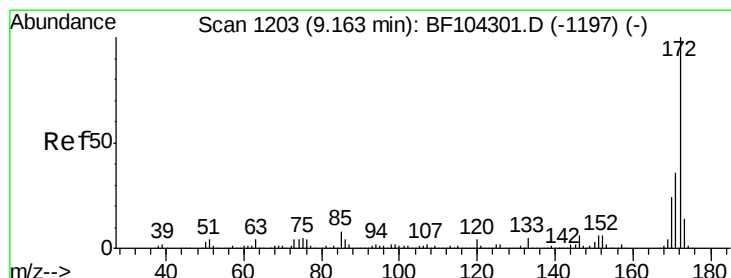
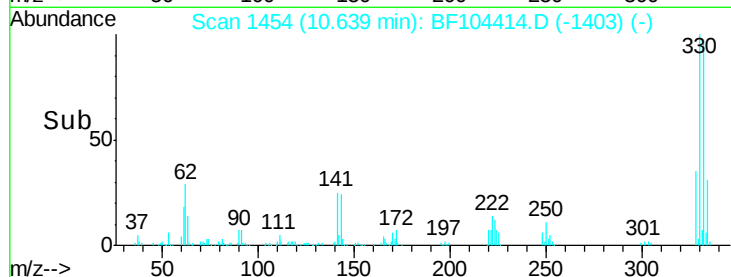
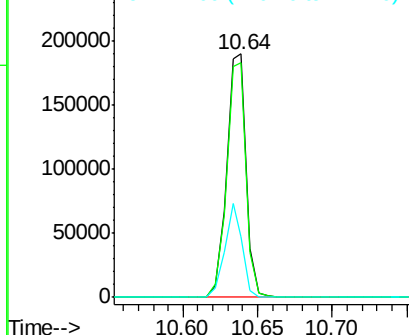
#41
 2,4,6-Tribromophenol
 Concen: 89.927 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF104414.D
 Acq: 10 Apr 2018 17:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	34.1	29.9	44.9

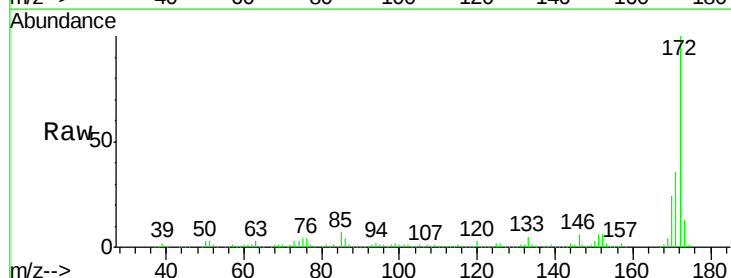


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

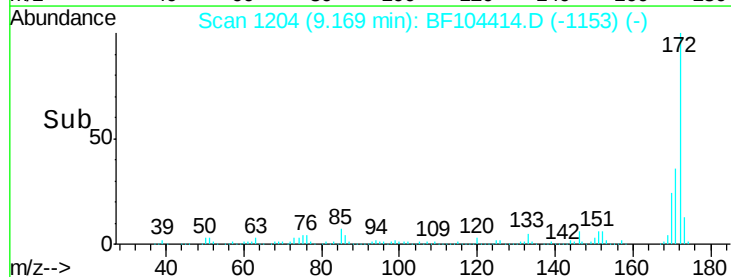
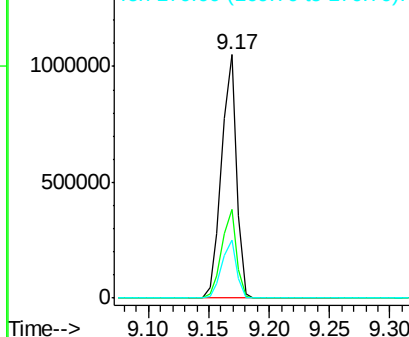


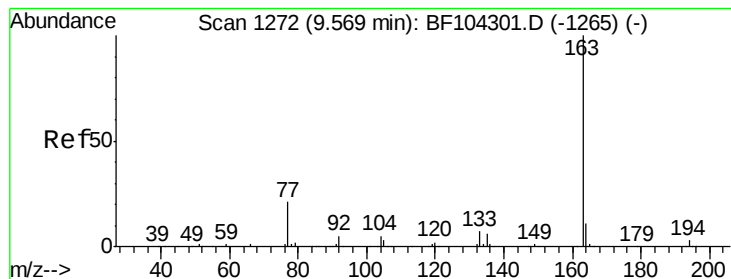
#44
 2-Fluorobiphenyl
 Concen: 74.778 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104414.D
 Acq: 10 Apr 2018 17:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.1	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: 5.925 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF104414.D

Acq: 10 Apr 2018 17:40

Instrument :

BNA_F

ClientSampleId :

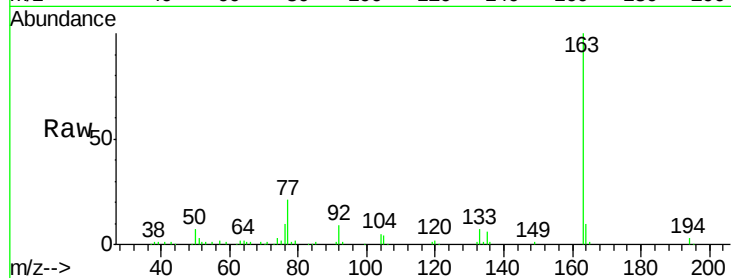
Tot Ion:163 Resp: 88559

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

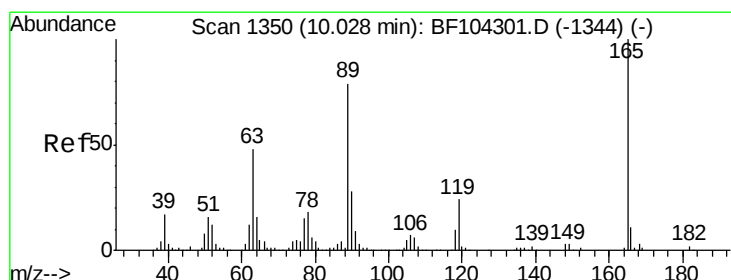
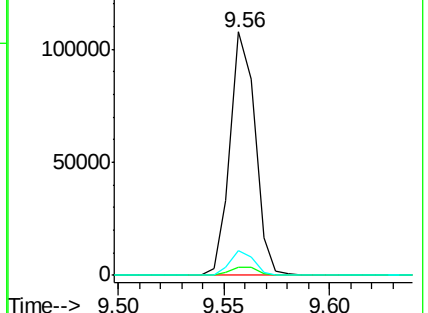
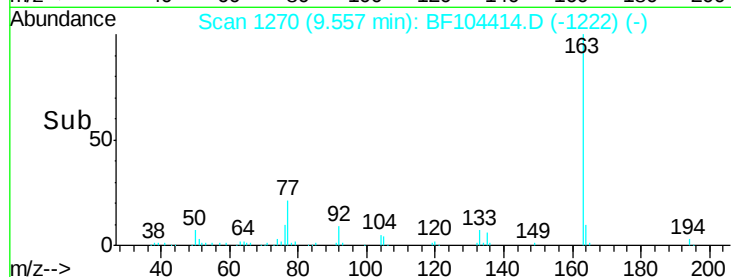
164 10.3 8.2 12.2



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: 6.780 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.19 min

Lab File: BF104414.D

Acq: 10 Apr 2018 17:40

Tgt Ion:165 Resp: 24599

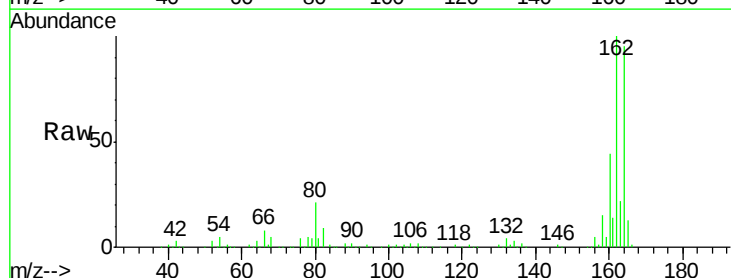
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

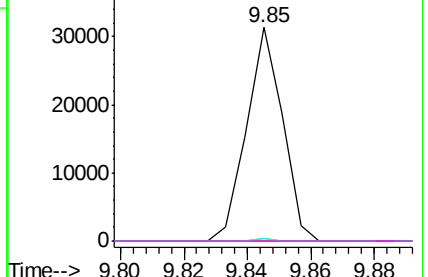
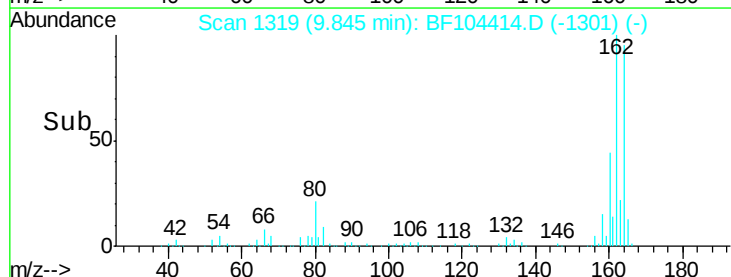


Abundance Ion 165.00 (164.70 to 165.70): E

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

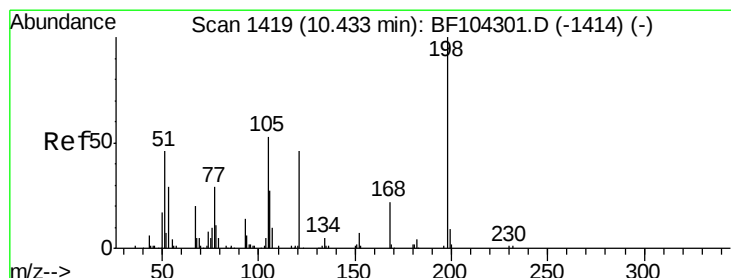
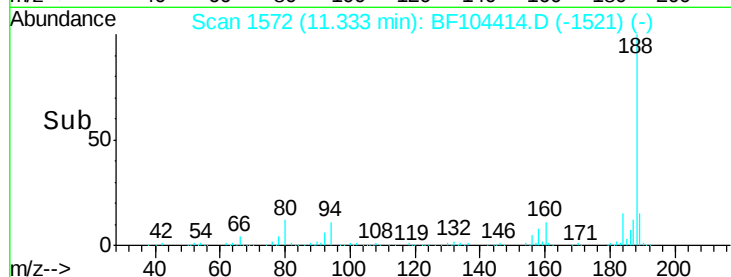
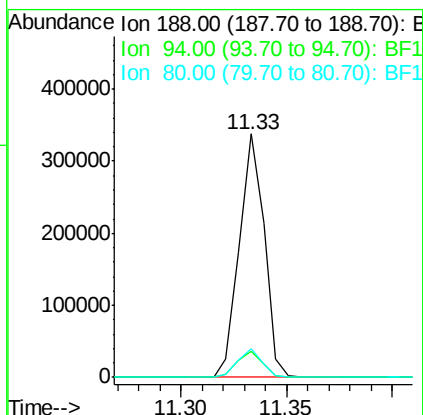
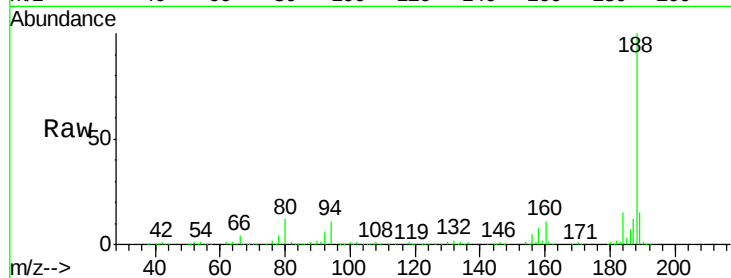




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104414.D
 Acq: 10 Apr 2018 17:40

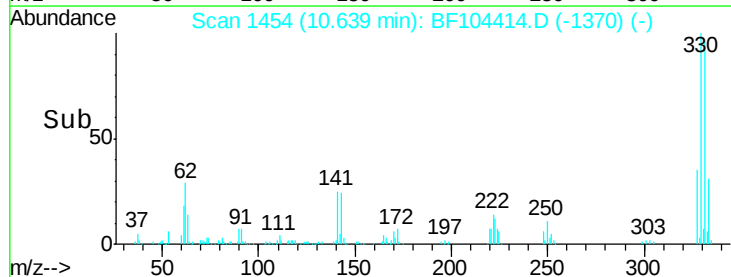
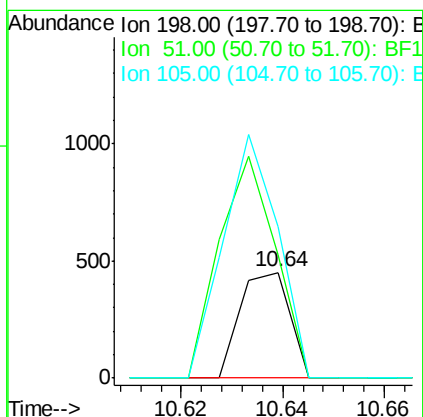
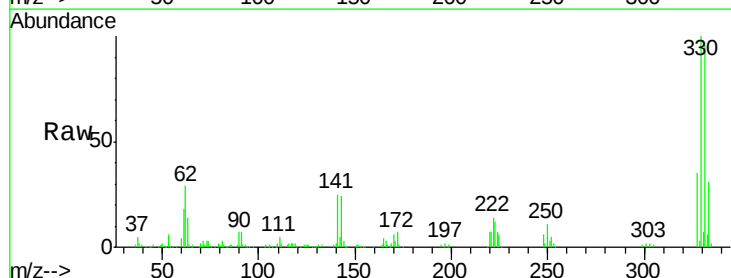
Instrument :
 BNA_F
 ClientSampleId :

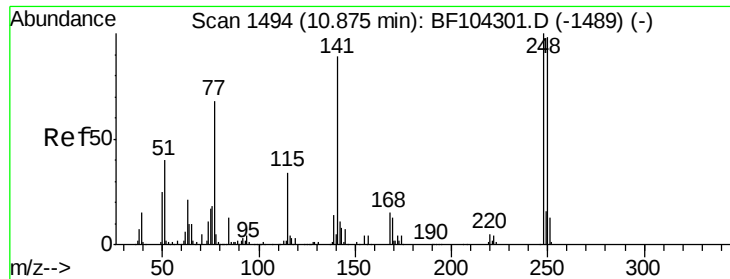
Tot Ion:188 Resp: 275325
 Ion Ratio Lower Upper
 188 100
 94 10.8 8.5 12.7
 80 11.8 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.540 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.19 min
 Lab File: BF104414.D
 Acq: 10 Apr 2018 17:40

Tgt Ion:198 Resp: 306
 Ion Ratio Lower Upper
 198 100
 51 117.1 37.7 77.7#
 105 143.3 36.3 76.3#

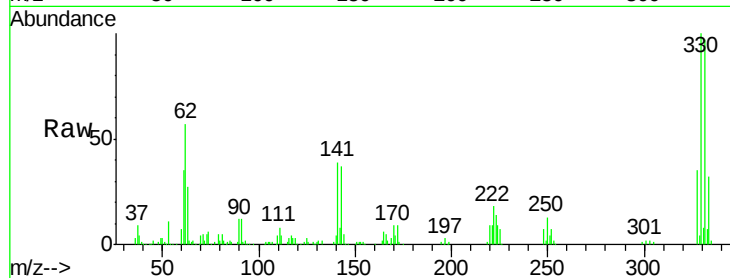




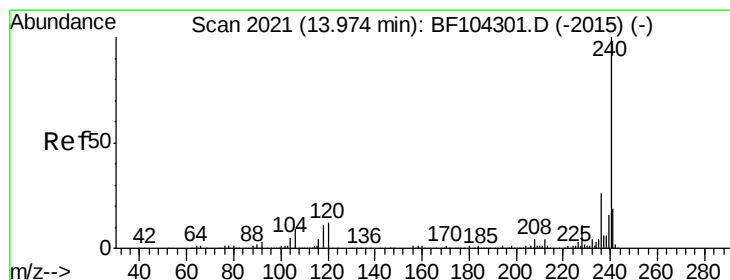
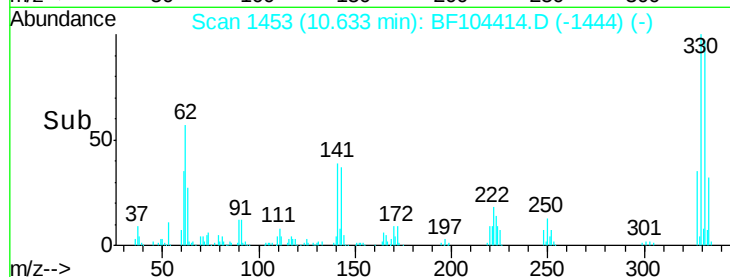
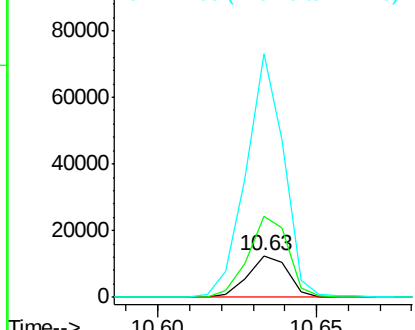
#66
4-Bromophenyl-phenylether
Concen: 3.730 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF104414.D
Acq: 10 Apr 2018 17:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 10924
Ion Ratio Lower Upper
248 100
250 194.4 76.9 115.3#
141 581.5 74.4 111.6#

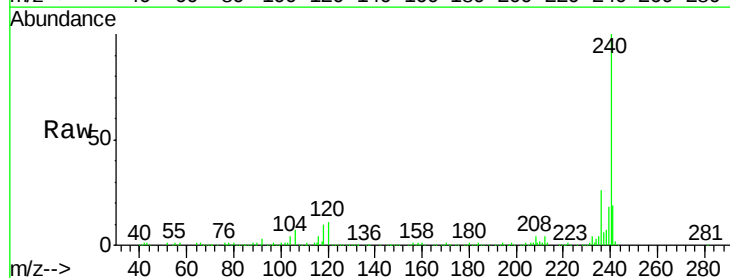


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

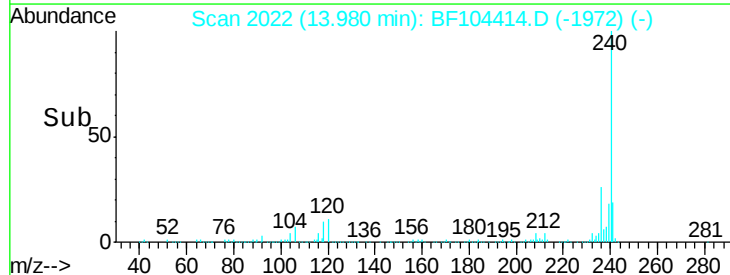
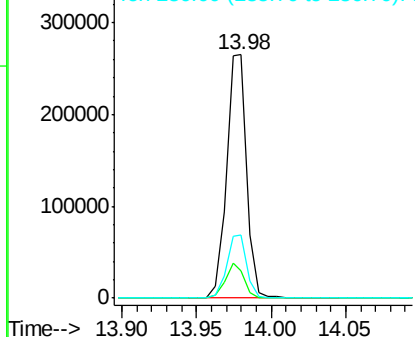


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104414.D
Acq: 10 Apr 2018 17:40

Tgt Ion:240 Resp: 253142
Ion Ratio Lower Upper
240 100
120 11.1 9.5 14.3
236 25.8 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

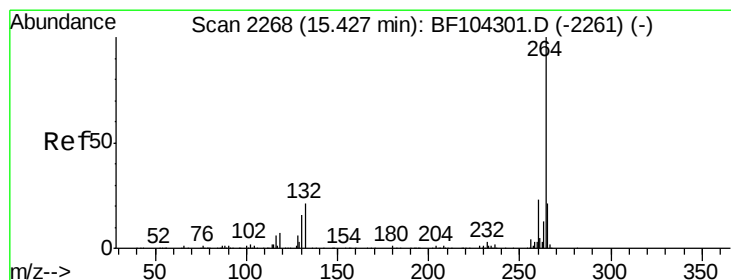
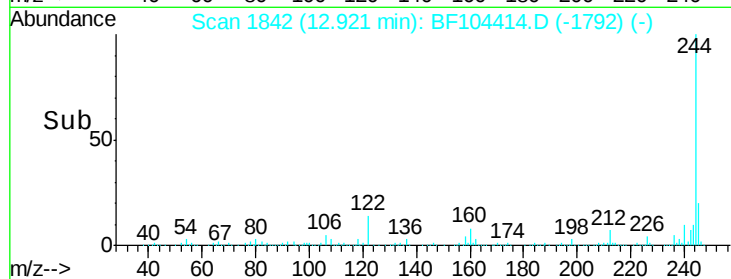
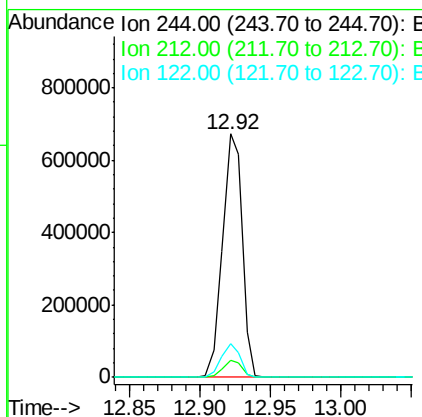
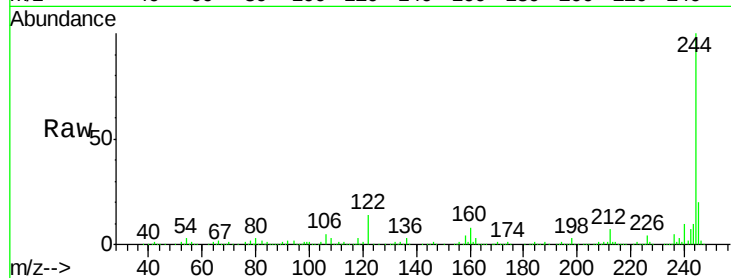




#78
 Terphenyl-d14
 Concen: 58.985 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: BF104414.D
 Acq: 10 Apr 2018 17:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 654945
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 14.0 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF104414.D
 Acq: 10 Apr 2018 17:40

Tgt Ion:264 Resp: 194381
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 21.2 17.5 26.3

