

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
 Data File : BF104394.D
 Acq On : 10 Apr 2018 1:52
 Operator : JU/SJ
 Sample : J2283-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 03:32:31 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	126011	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	480586	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	185111	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	280069	20.00	ng	0.00
75) Chrysene-d12	13.97	240	279853	20.00	ng	0.00
86) Perylene-d12	15.44	264	207851	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	998043	121.11	ng	0.02
7) Phenol-d6	6.44	99	1054444	104.14	ng	0.01
23) Nitrobenzene-d5	7.37	82	797874	108.41	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	251390	130.92	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1281226	109.34	ng	0.00
78) Terphenyl-d14	12.93	244	1093271	89.06	ng	0.00

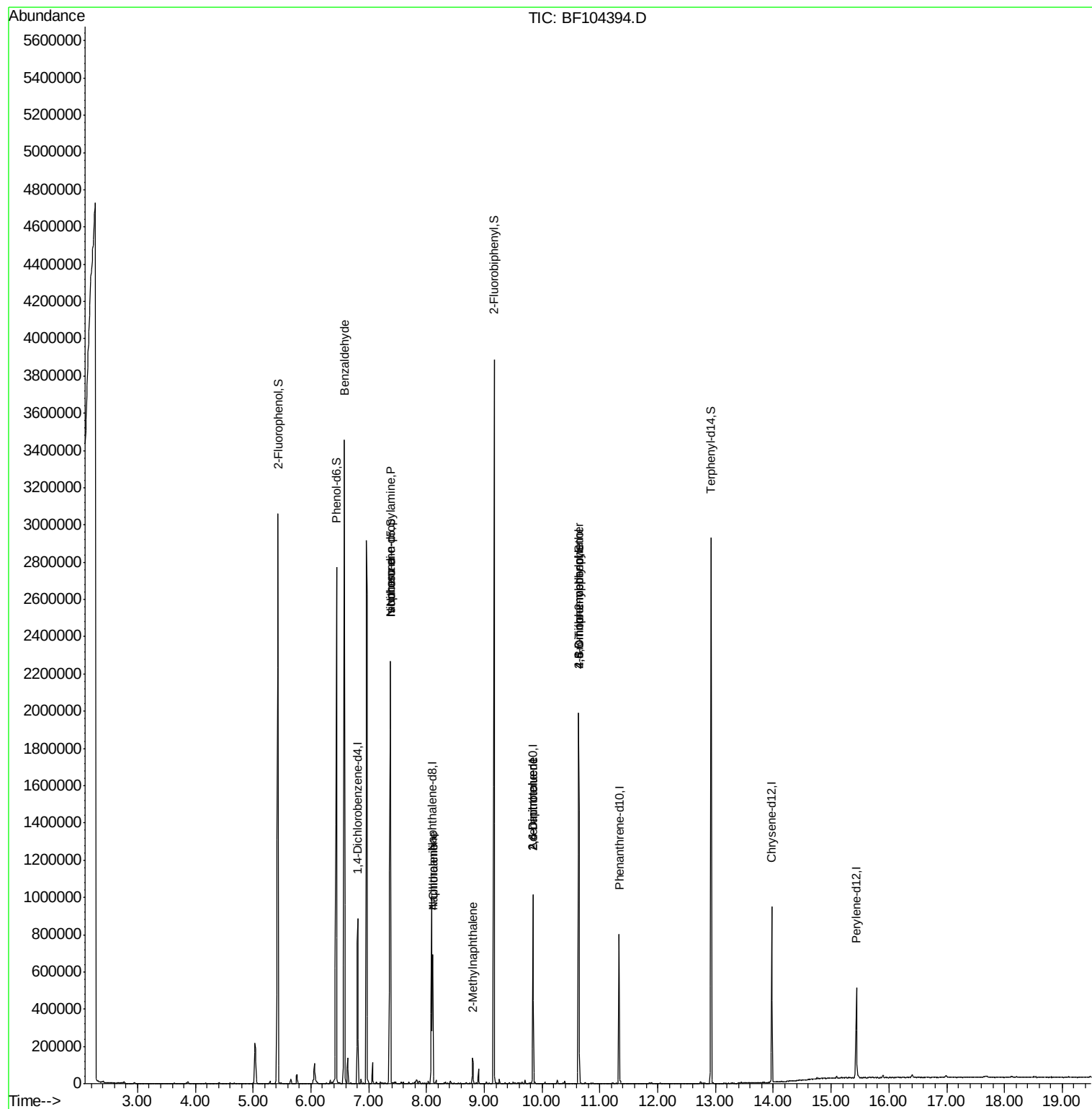
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.58	77	23105	2.205	ng	82
19) n-Nitroso-di-n-propylamine	7.37	70	105056	15.877	ng	# 74
25) Isophorone	7.37	82	797012	51.210	ng	# 64
31) Naphthalene	8.11	128	261021	10.907	ng	100
33) 4-Chloroaniline	8.11	127	34326	3.348	ng	# 34
37) 2-Methylnaphthalene	8.80	142	35745	2.309	ng	99
50) 2,6-Dinitrotoluene	9.85	165	24167	8.947	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	24167	6.821	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	528	7.675	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	15094	5.067	ng	# 1
76) Benzidine	12.92	184	14282	Below Cal		97

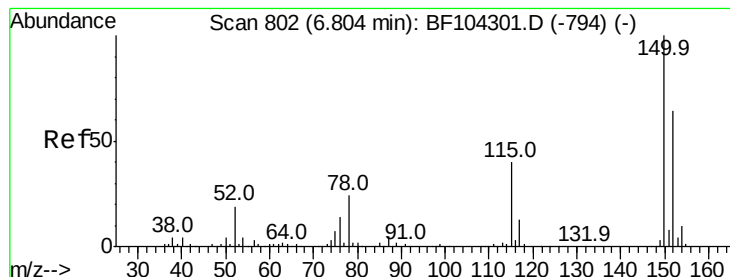
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.81 min Scan# 803

Delta R.T. 0.01 min

Lab File: BF104394.D

Acq: 10 Apr 2018 1:52

Instrument :

BNA_F

ClientSampleId :

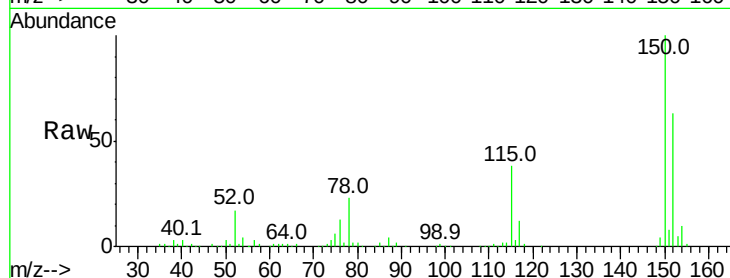
Tot Ion:152 Resp: 126011

Ion Ratio Lower Upper

152 100

150 158.4 124.6 186.8

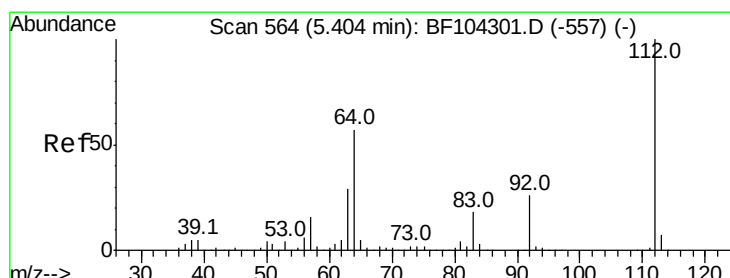
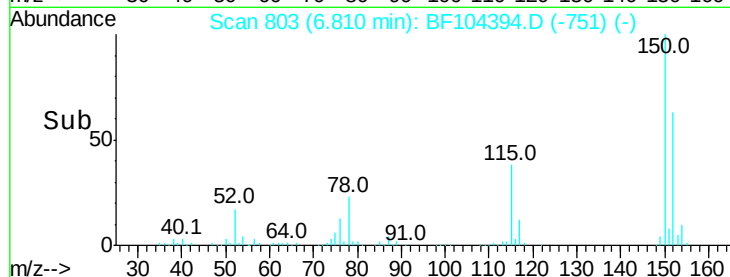
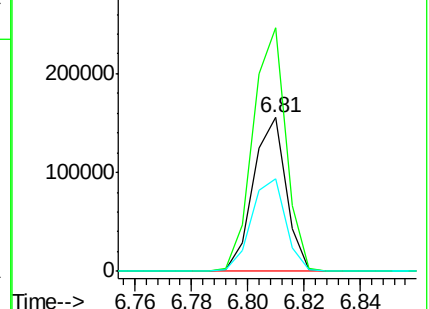
115 60.0 50.1 75.1



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: 121.106 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.02 min

Lab File: BF104394.D

Acq: 10 Apr 2018 1:52

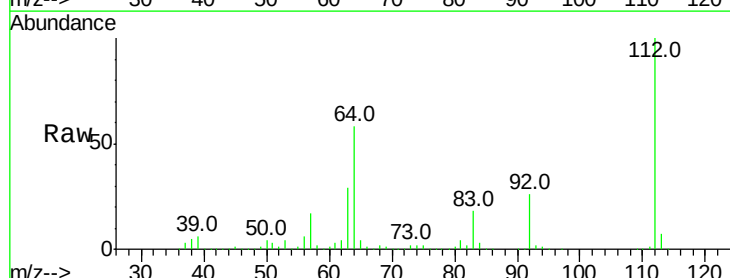
Tgt Ion:112 Resp: 998043

Ion Ratio Lower Upper

112 100

64 57.7 47.9 71.9

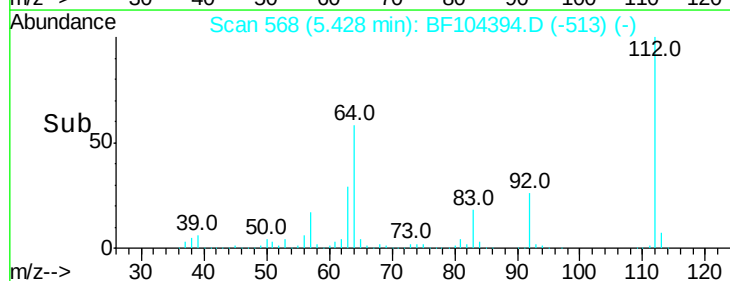
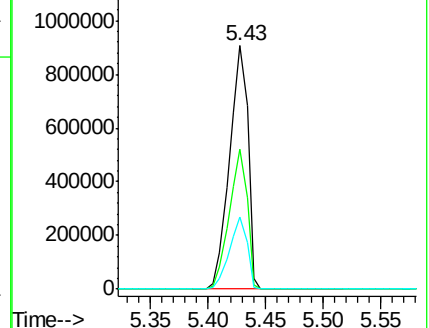
63 29.4 23.7 35.5

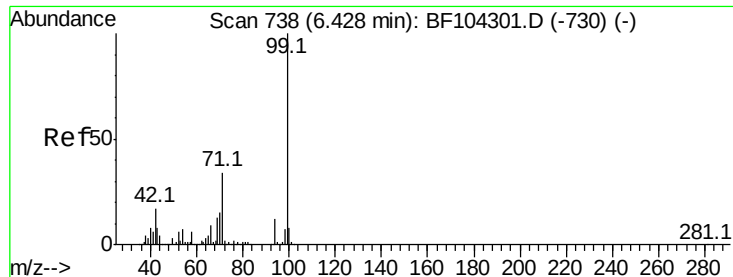


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 104.136 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF104394.D

Acq: 10 Apr 2018 1:52

Instrument :

BNA_F

ClientSampled :

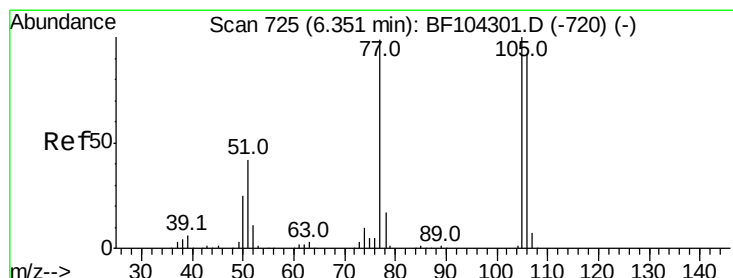
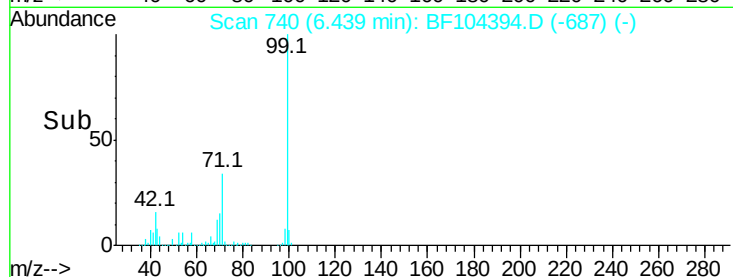
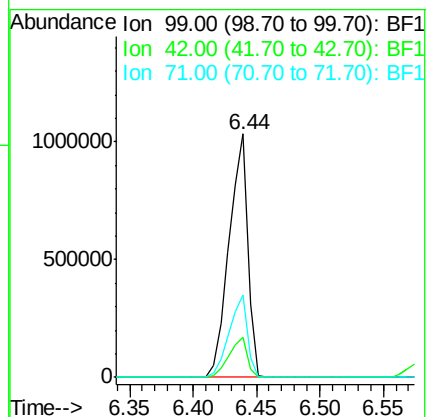
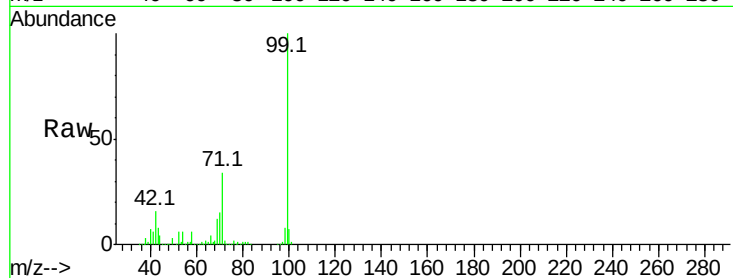
Tot Ion: 99 Resp: 1054444

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

71 33.8 25.4 38.0



#9

Benzaldehyde

Concen: 2.205 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.23 min

Lab File: BF104394.D

Acq: 10 Apr 2018 1:52

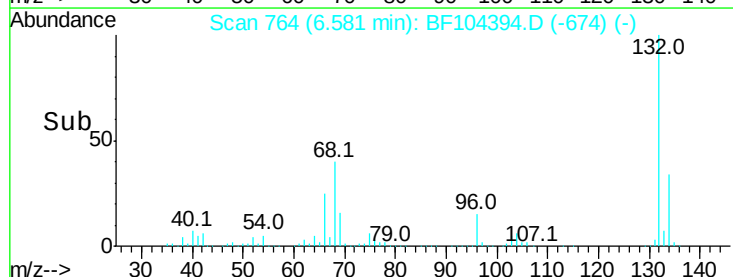
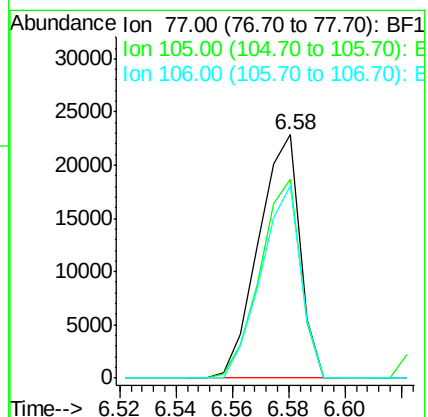
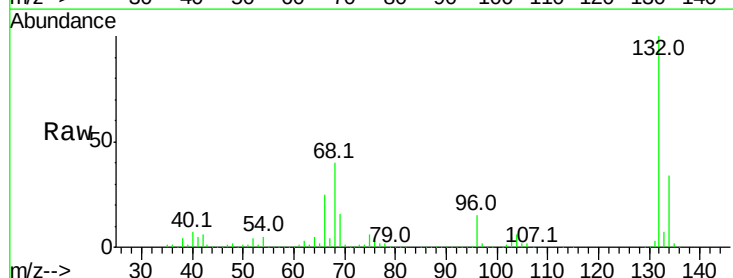
Tgt Ion: 77 Resp: 23105

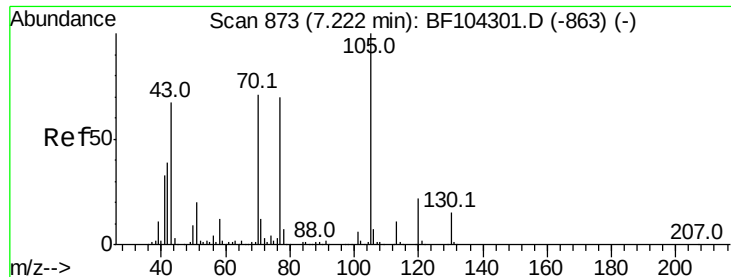
Ion Ratio Lower Upper

77 100

105 81.6 81.1 121.1

106 79.1 74.5 114.5





#19

n-Nitroso-di-n-propylamine

Concen: 15.877 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104394.D

Acq: 10 Apr 2018 1:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 105056

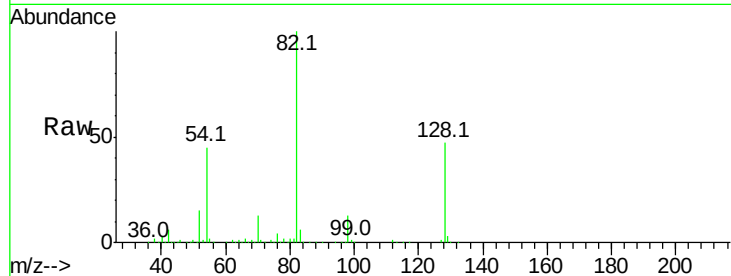
Ion Ratio Lower Upper

70 100

42 43.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

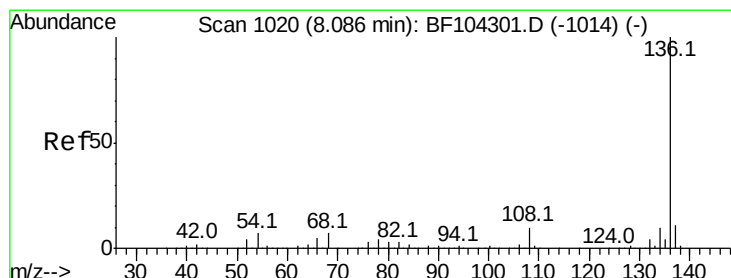
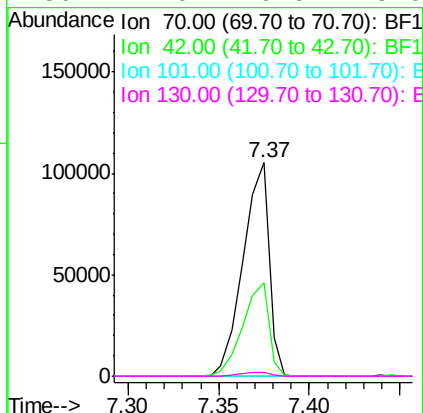
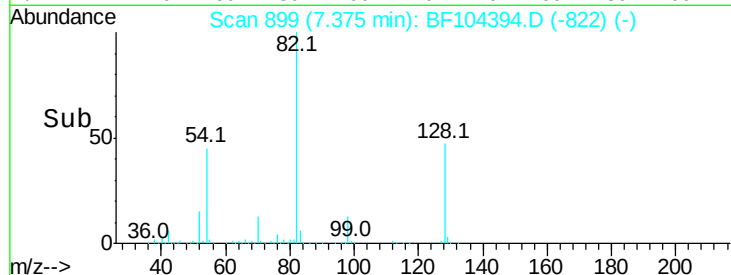


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF104394.D

Acq: 10 Apr 2018 1:52

Tgt Ion:136 Resp: 480586

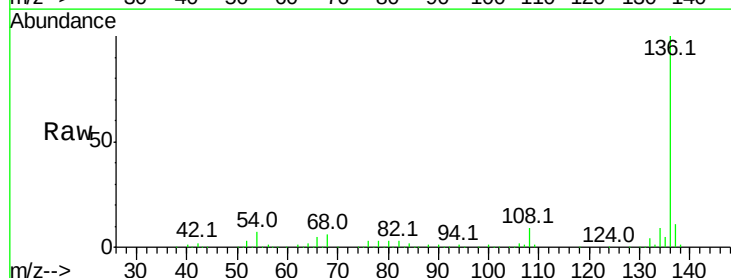
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.6 6.6 9.8

68 5.6 5.0 7.4

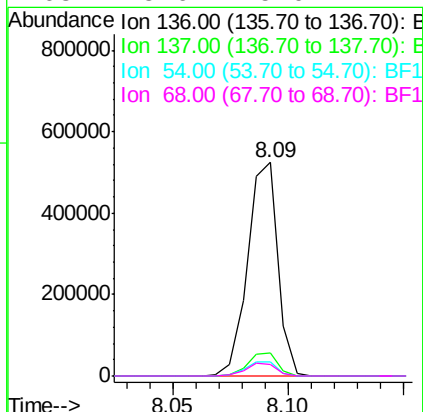
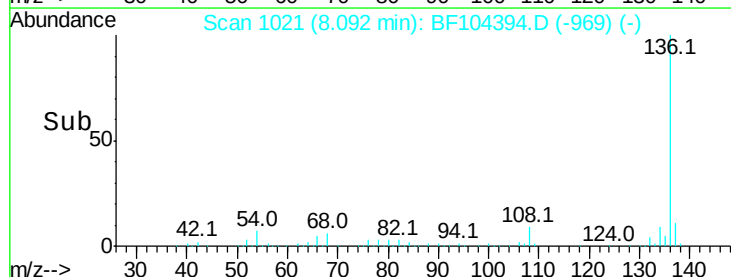


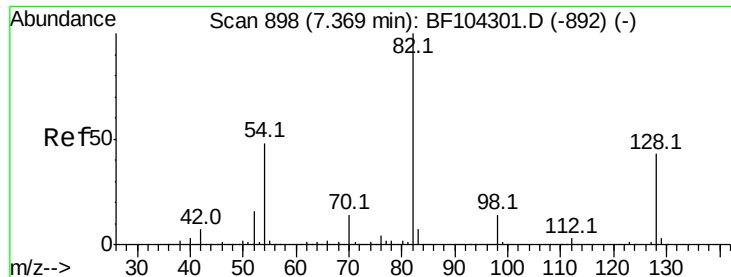
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 108.409 ng

RT: 7.37 min Scan# 899

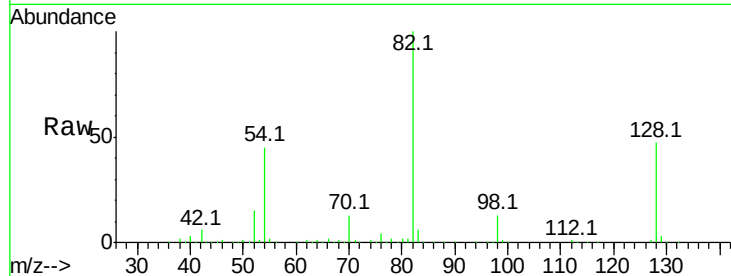
Delta R.T. 0.01 min

Lab File: BF104394.D

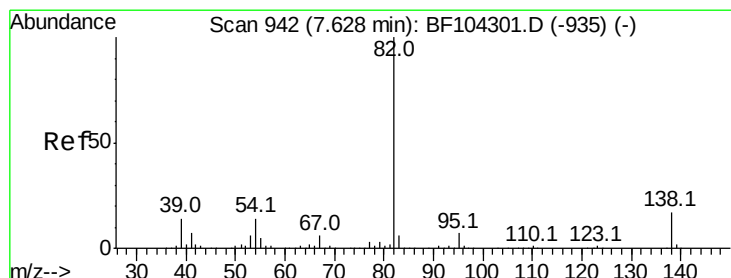
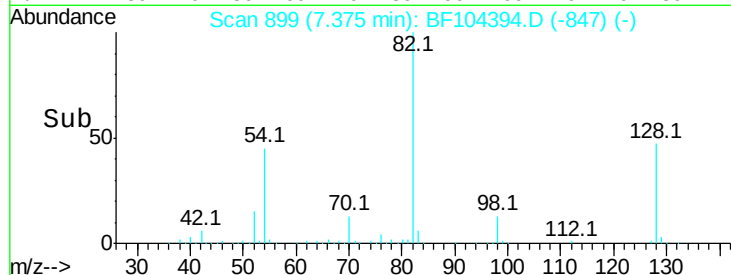
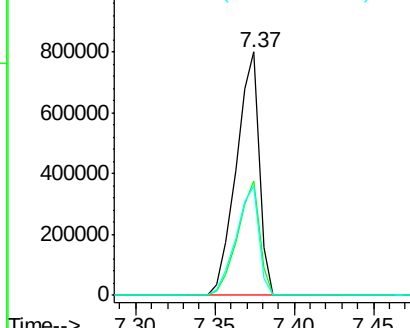
Acq: 10 Apr 2018 1:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:	82	Resp:	797874
Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.1	54.1
54	45.0	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 51.210 ng

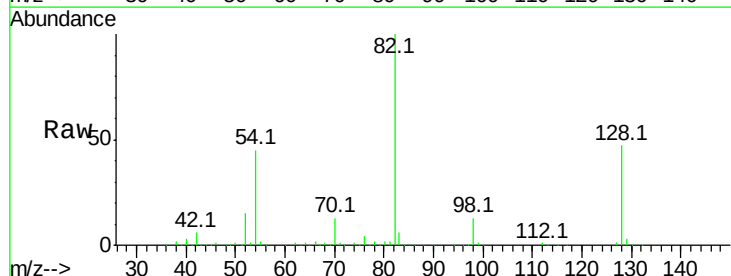
RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

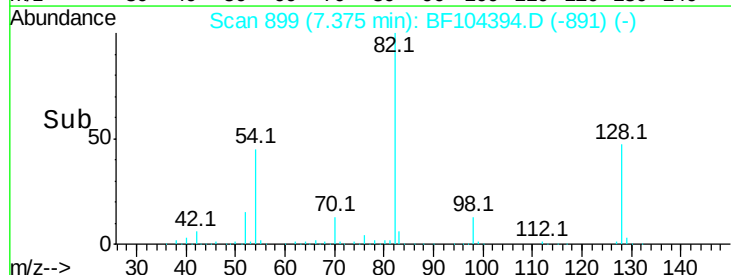
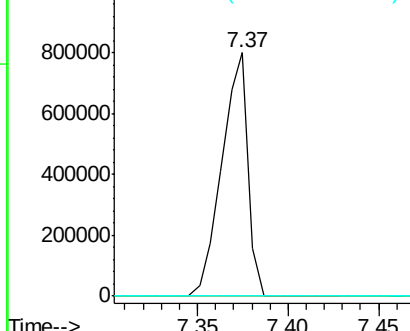
Lab File: BF104394.D

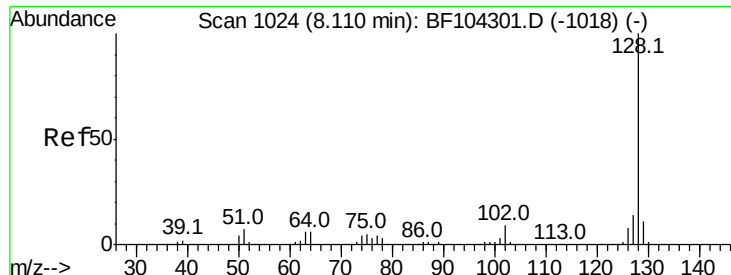
Acq: 10 Apr 2018 1:52

Tgt Ion:	82	Resp:	797012
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

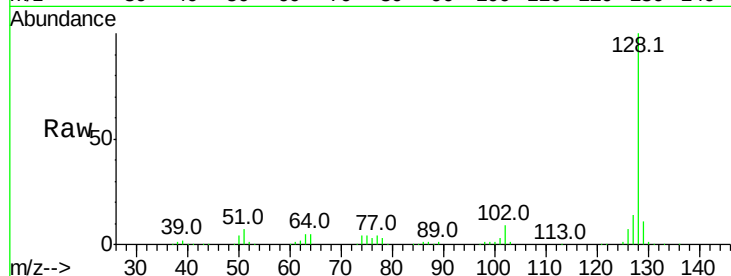




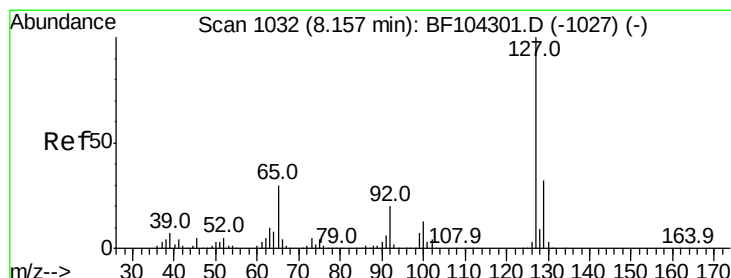
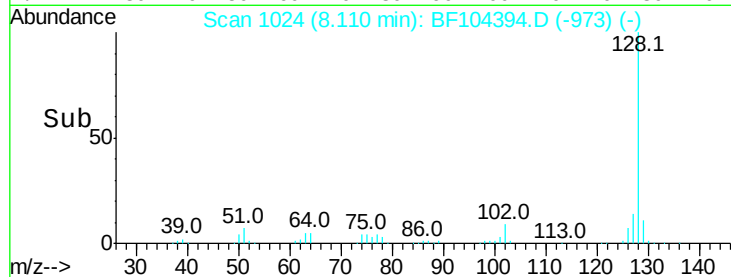
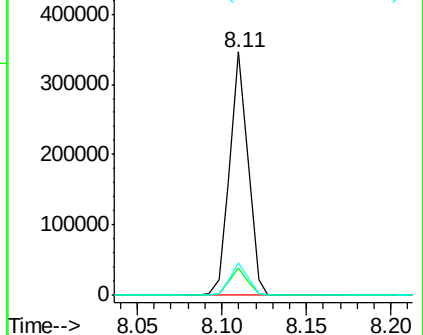
#31
Naphthalene
Concen: 10.907 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF104394.D
Acq: 10 Apr 2018 1:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 261021
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.5 10.9 16.3

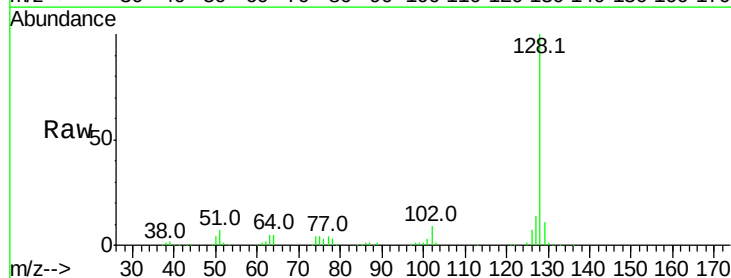


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

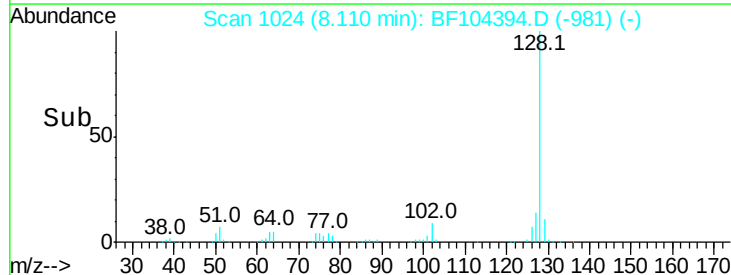
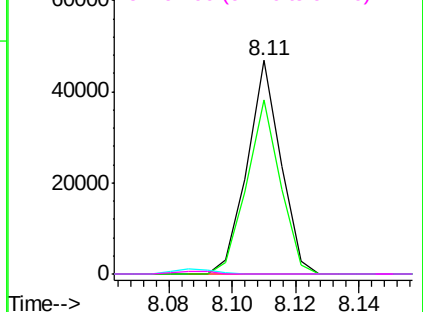


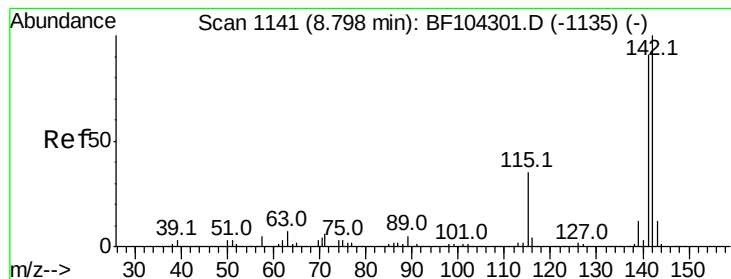
#33
4-Chloroaniline
Concen: 3.348 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.05 min
Lab File: BF104394.D
Acq: 10 Apr 2018 1:52

Tgt Ion:127 Resp: 34326
Ion Ratio Lower Upper
127 100
129 81.8 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1





#37

2-Methylnaphthalene

Concen: 2.309 ng

RT: 8.80 min Scan# 1141

Delta R.T. -0.00 min

Lab File: BF104394.D

Acq: 10 Apr 2018 1:52

Instrument :

BNA_F

ClientSampleId :

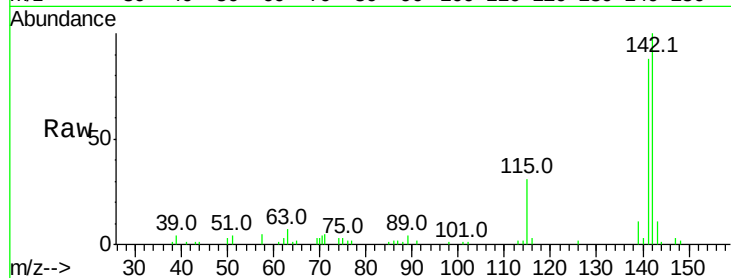
Tot Ion:142 Resp: 35745

Ion Ratio Lower Upper

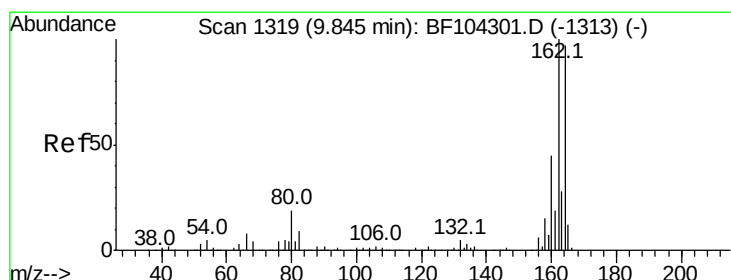
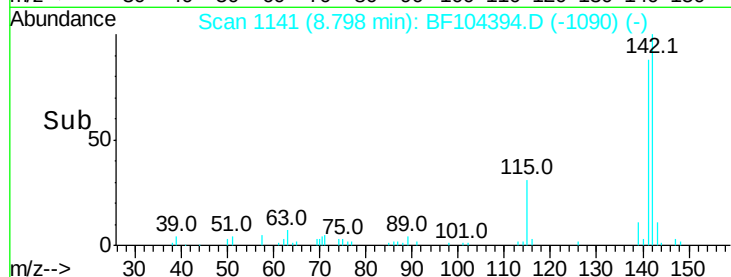
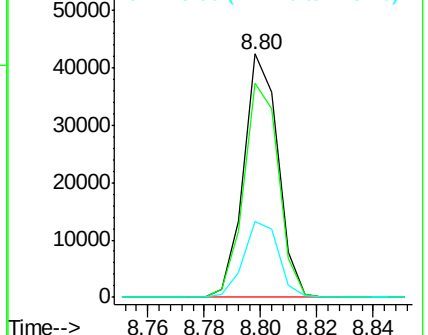
142 100

141 87.9 70.8 106.2

115 31.2 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF104394.D

Acq: 10 Apr 2018 1:52

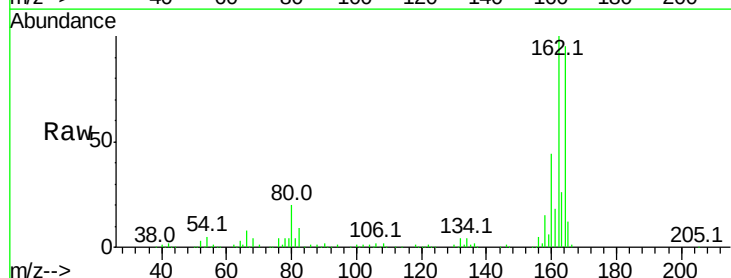
Tgt Ion:164 Resp: 185111

Ion Ratio Lower Upper

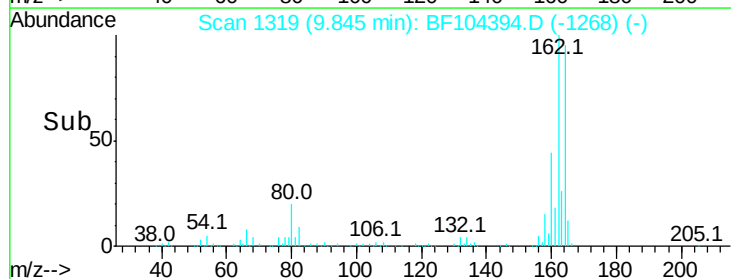
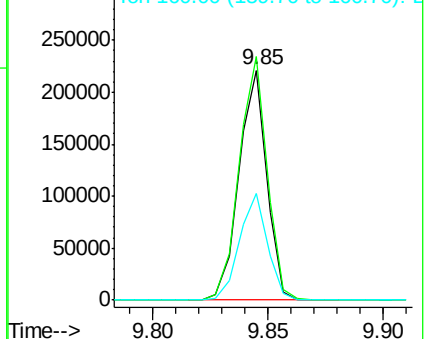
164 100

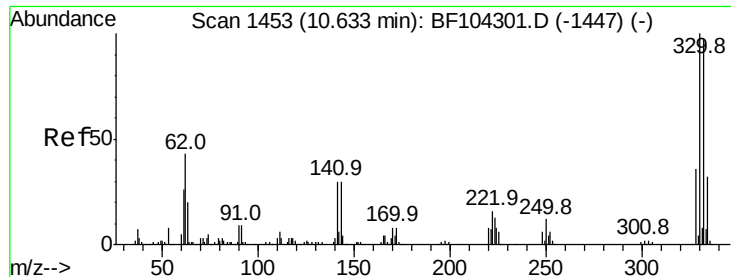
162 105.8 86.1 129.1

160 46.5 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

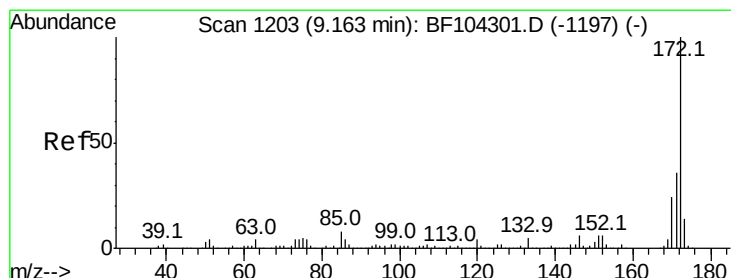
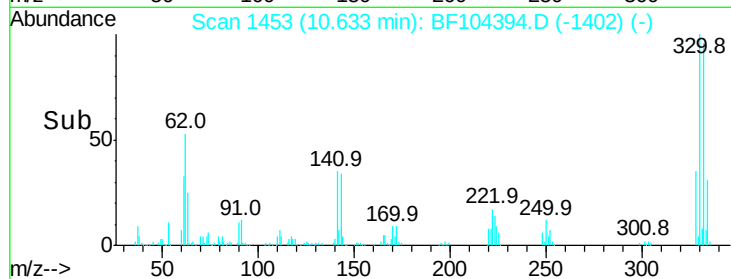
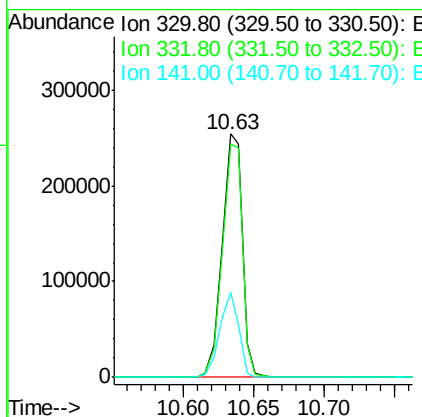
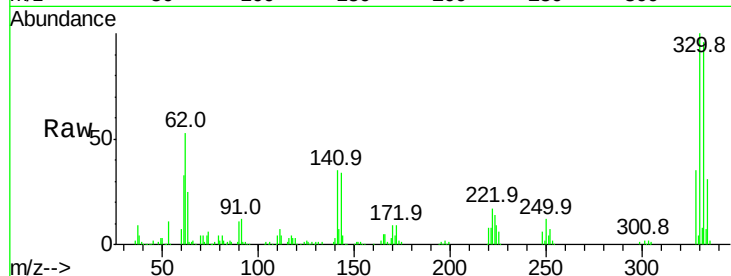




#41
 2,4,6-Tribromophenol
 Concen: 130.918 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BF104394.D
 Acq: 10 Apr 2018 1:52

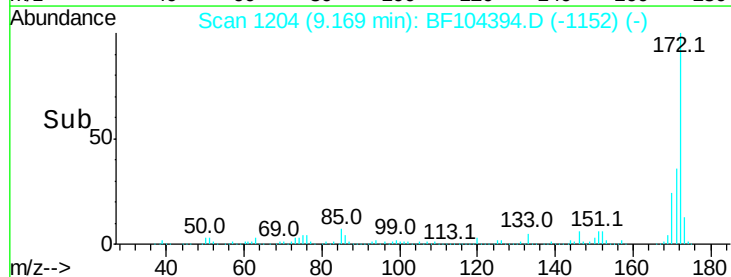
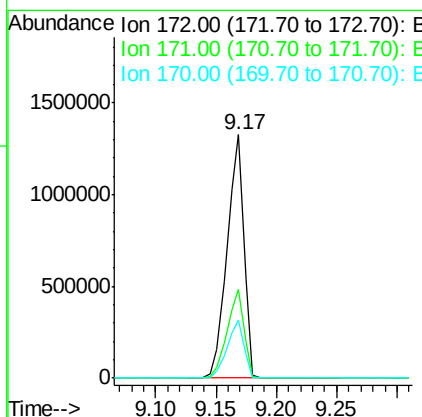
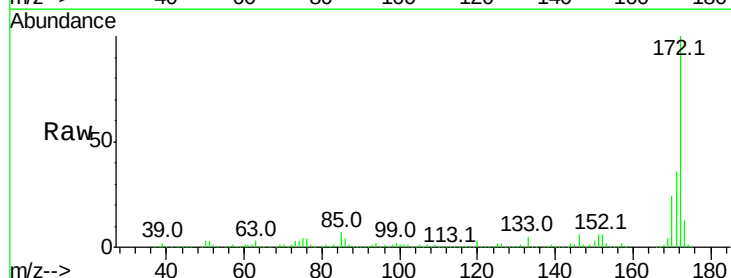
Instrument :
 BNA_F
 ClientSampleId :

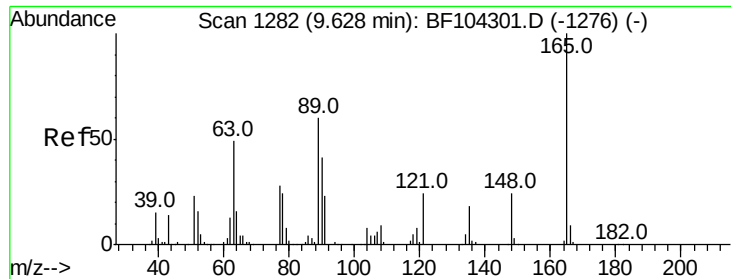
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	32.9	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 109.341 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: BF104394.D
 Acq: 10 Apr 2018 1:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.0	19.6	29.4

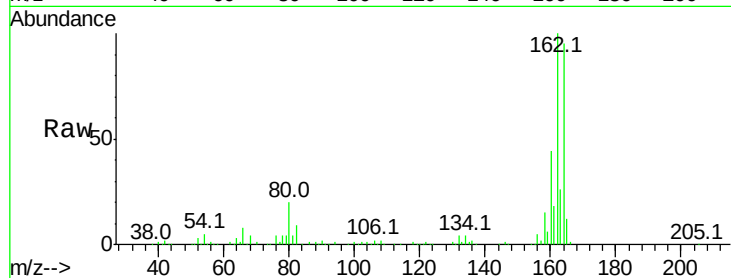




#50
 2,6-Dinitrotoluene
 Concen: 8.947 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.22 min
 Lab File: BF104394.D
 Acq: 10 Apr 2018 1:52

Instrument :
 BNA_F
 ClientSampleId :

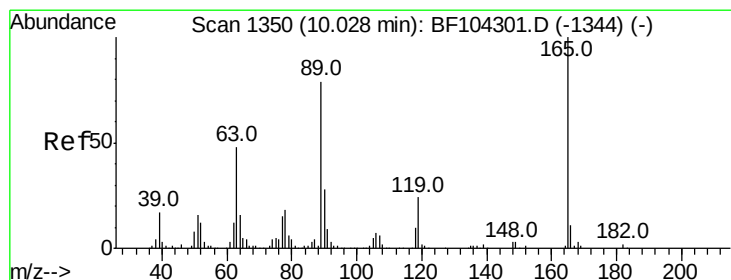
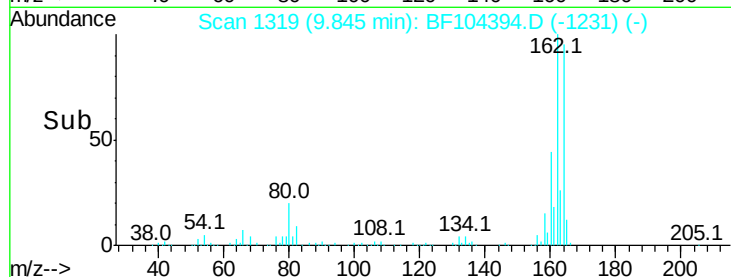
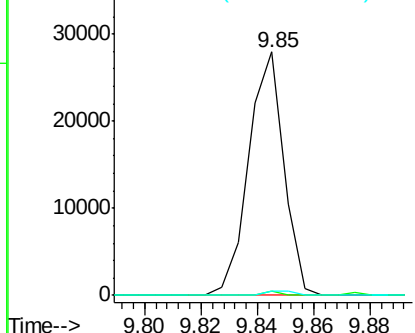
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.6	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

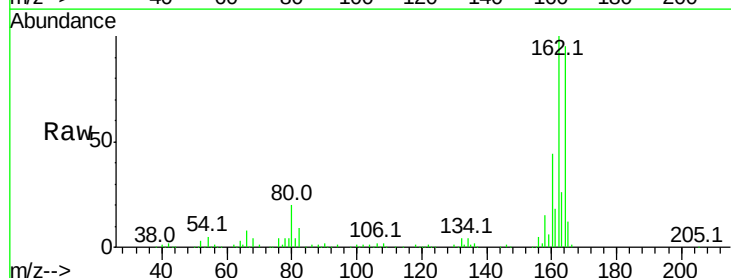
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 6.821 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.18 min
 Lab File: BF104394.D
 Acq: 10 Apr 2018 1:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

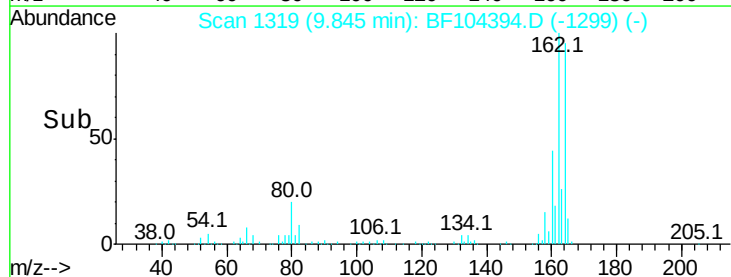
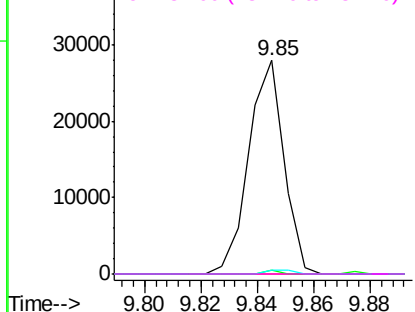


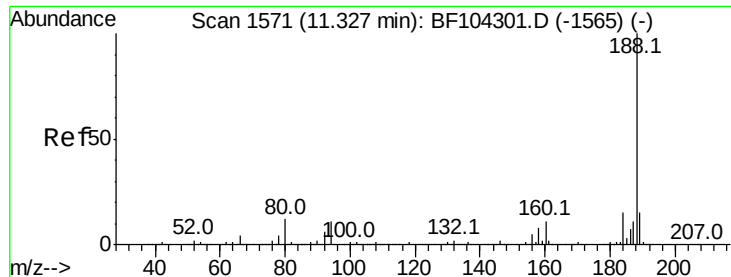
Abundance Ion 165.00 (164.70 to 165.70): E

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

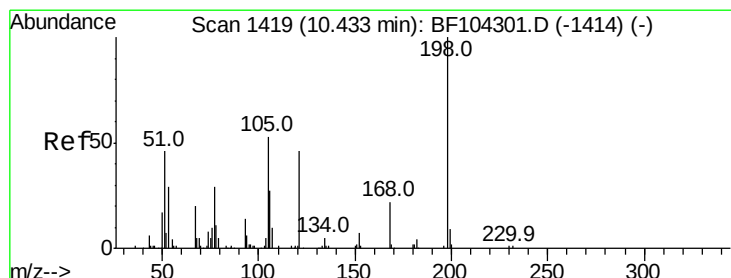
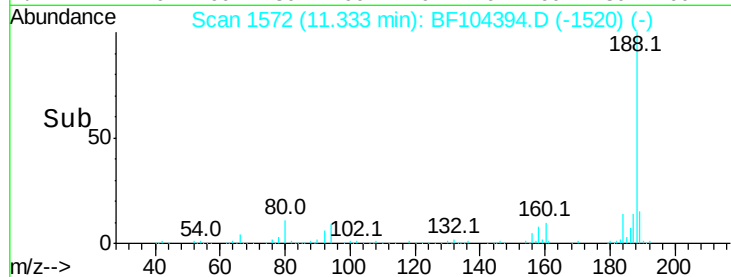
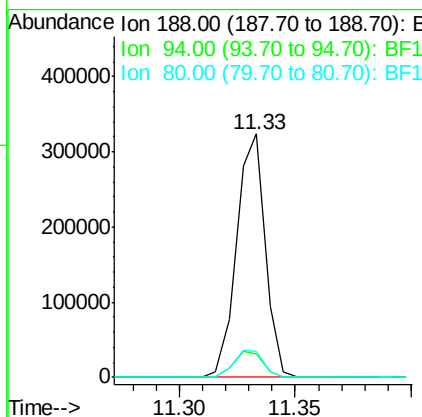
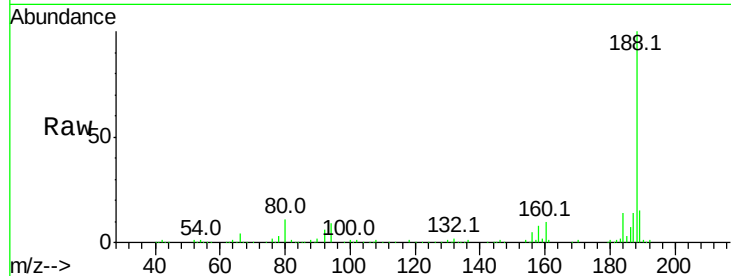




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BF104394.D
 Acq: 10 Apr 2018 1:52

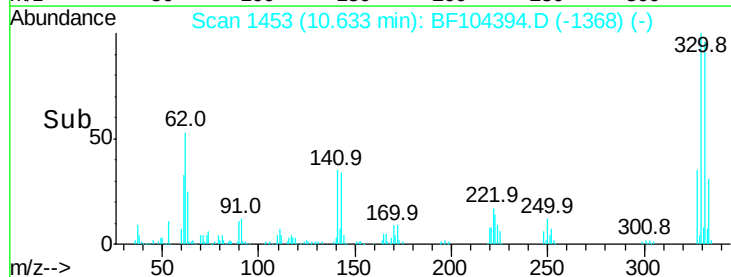
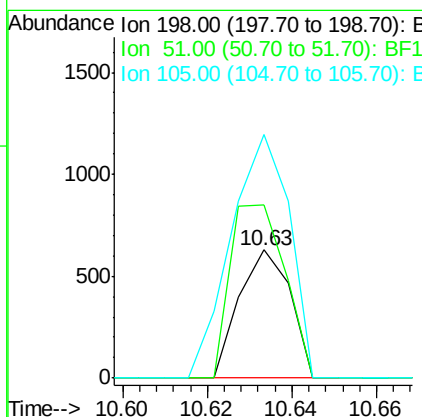
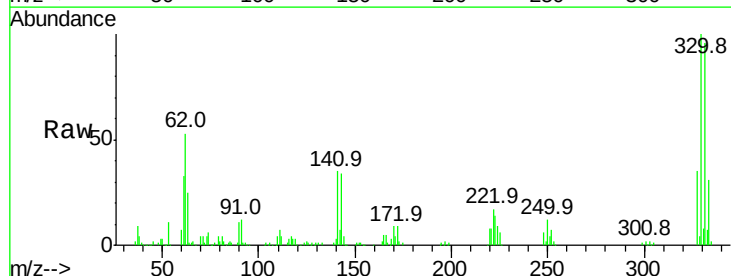
Instrument :
 BNA_F
 ClientSampleId :

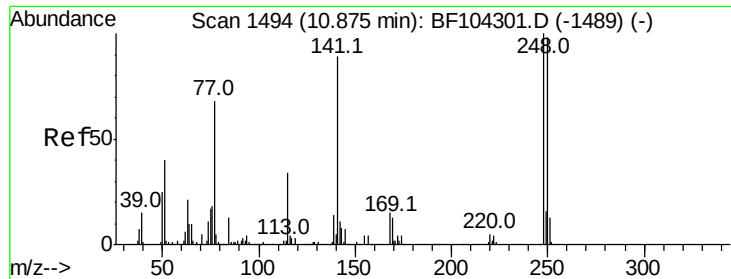
Tot Ion:188 Resp: 280069
 Ion Ratio Lower Upper
 188 100
 94 9.5 8.5 12.7
 80 10.9 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.675 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.20 min
 Lab File: BF104394.D
 Acq: 10 Apr 2018 1:52

Tgt Ion:198 Resp: 528
 Ion Ratio Lower Upper
 198 100
 51 134.9 37.7 77.7#
 105 189.7 36.3 76.3#

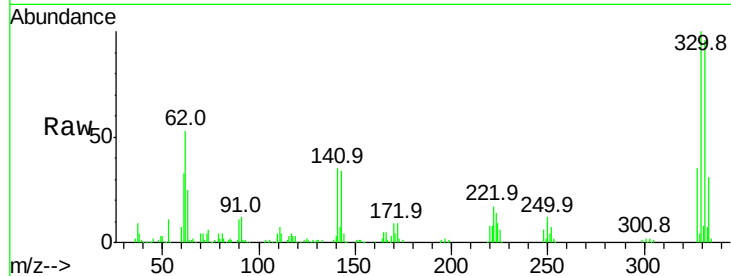




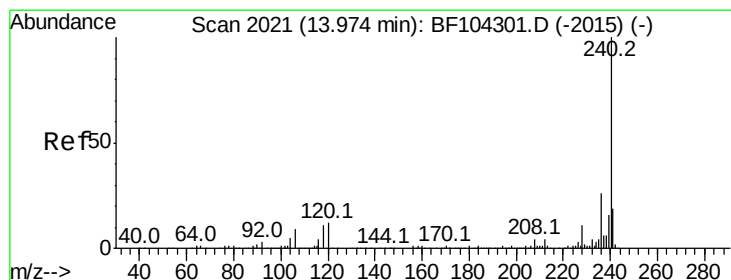
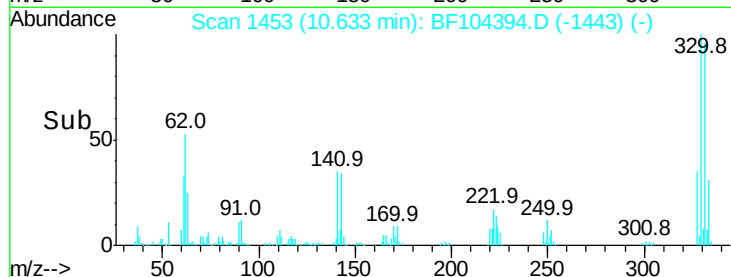
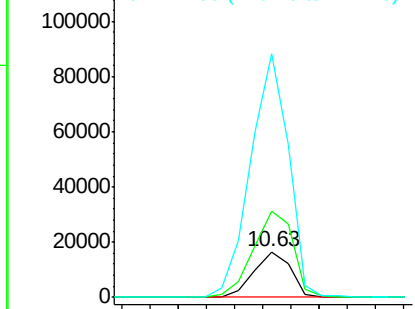
#66
4-Bromophenyl-phenylether
Concen: 5.067 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF104394.D
Acq: 10 Apr 2018 1:52

Instrument :
BNA_F
ClientSampleID :

Tot Ion:248 Resp: 15094
Ion Ratio Lower Upper
248 100
250 190.8 76.9 115.3#
141 537.4 74.4 111.6#

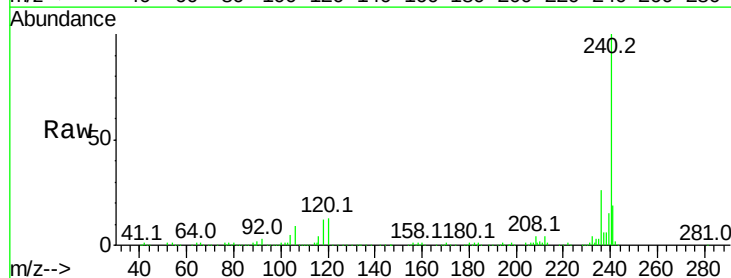


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

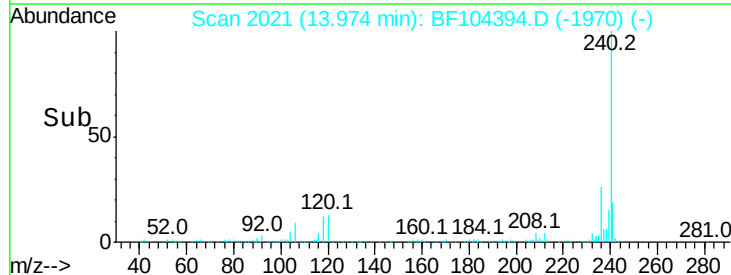
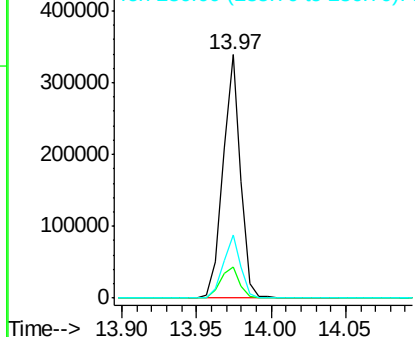


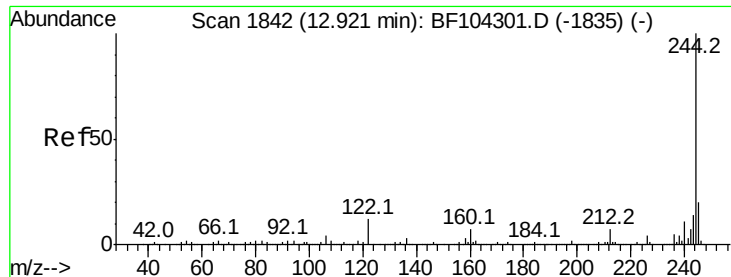
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF104394.D
Acq: 10 Apr 2018 1:52

Tgt Ion:240 Resp: 279853
Ion Ratio Lower Upper
240 100
120 12.9 9.5 14.3
236 26.0 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: 89.064 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104394.D

Acq: 10 Apr 2018 1:52

Instrument :

BNA_F

ClientSampleId :

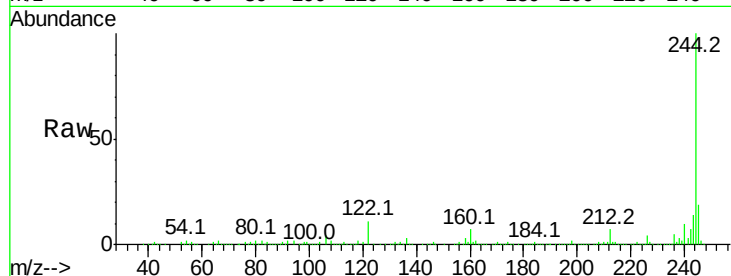
Tot Ion:244 Resp: 1093271

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

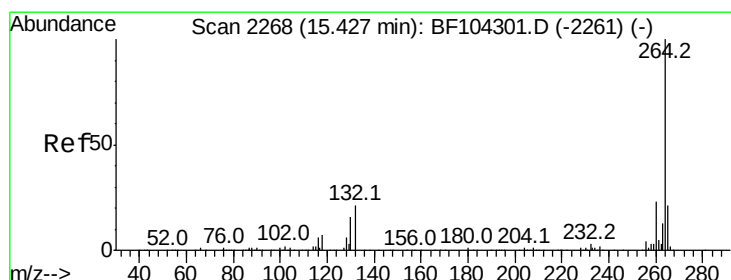
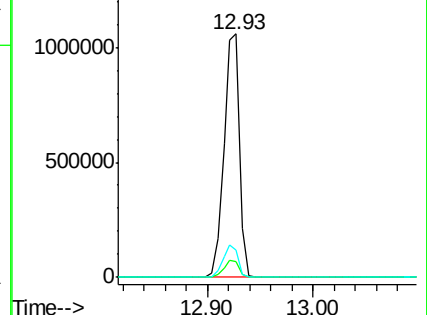
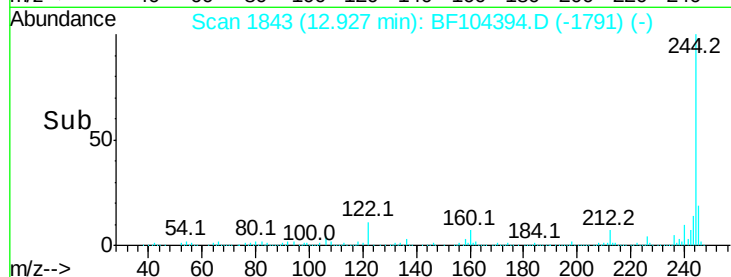
122 11.5 11.0 16.4



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# 2270

Delta R.T. 0.01 min

Lab File: BF104394.D

Acq: 10 Apr 2018 1:52

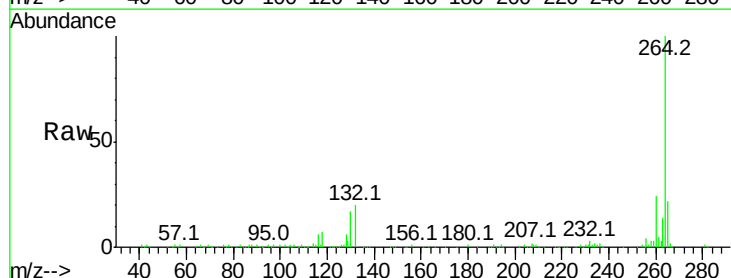
Tgt Ion:264 Resp: 207851

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.8 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

