

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103117\
 Data File : BF100038.D
 Acq On : 1 Nov 2017 9:52
 Operator : SJ/JU
 Sample : I6092-08
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 01 11:07:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 16:51:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	78816	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	324074	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	154665	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	269883	20.00	ng	0.00
75) Chrysene-d12	13.98	240	165474	20.00	ng	0.00
86) Perylene-d12	15.48	264	137741	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	642206	127.92	ng	0.02
7) Phenol-d6	6.43	99	714580	120.05	ng	0.00
23) Nitrobenzene-d5	7.36	82	468918	93.16	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	189474	134.43	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	968165	96.58	ng	0.00
78) Terphenyl-d14	12.91	244	827221	109.25	ng	0.00

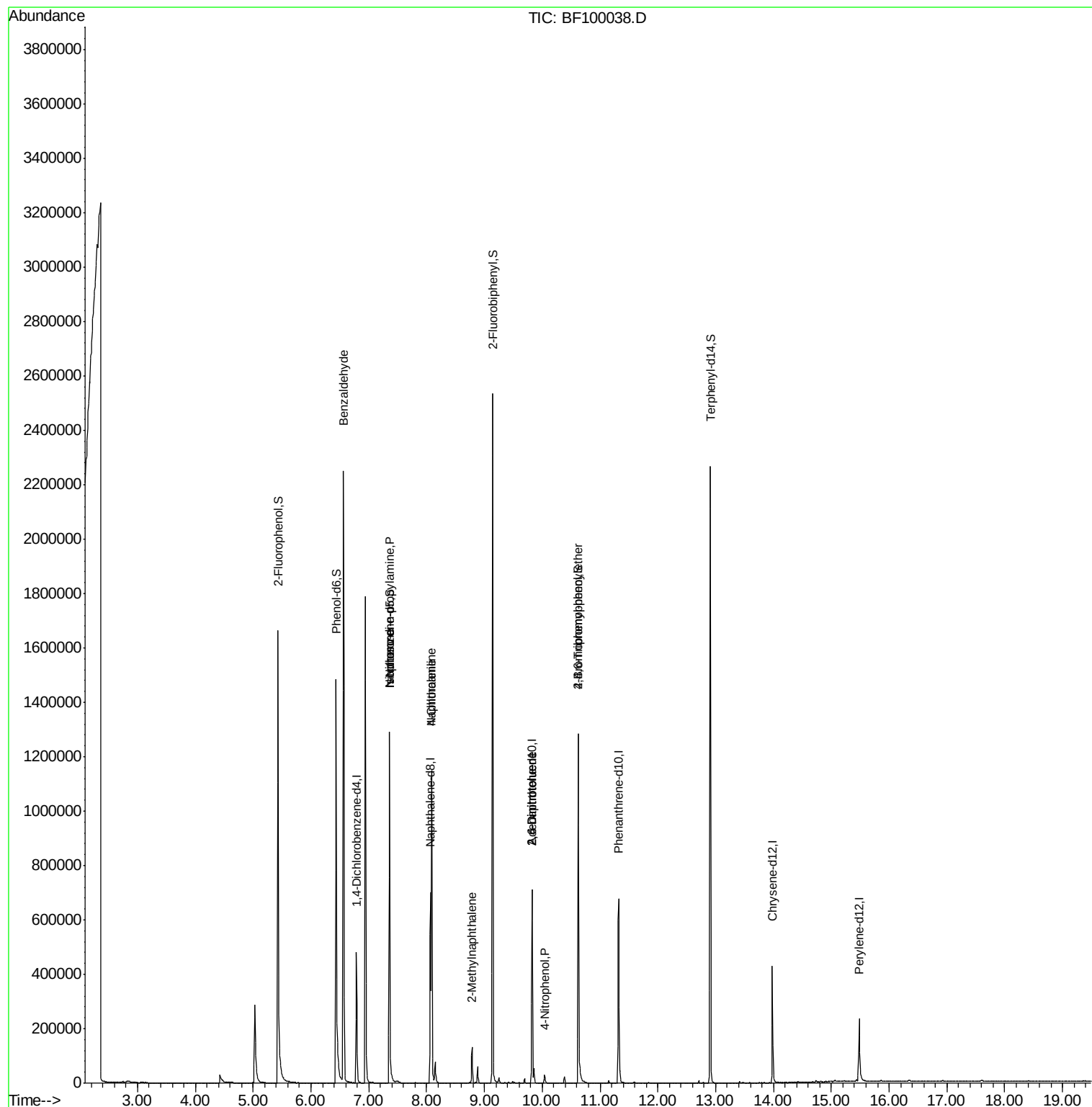
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.56	77	11838	3.328	ng	89
19) n-Nitroso-di-n-propylamine	7.36	70	57664	16.530	ng	# 72
25) Isophorone	7.36	82	468912	51.337	ng	# 64
31) Naphthalene	8.09	128	621159	39.708	ng	99
33) 4-Chloroaniline	8.09	127	80893	12.523	ng	# 35
37) 2-Methylnaphthalene	8.79	142	42258	4.031	ng	97
50) 2,6-Dinitrotoluene	9.82	165	18534	7.198	ng	# 24
55) 4-Nitrophenol	10.04	139	6150	3.880	ng	# 9
56) 2,4-Dinitrotoluene	9.82	165	18534	5.977	ng	# 21
66) 4-Bromophenyl-phenylether	10.62	248	12239	4.308	ng	# 1

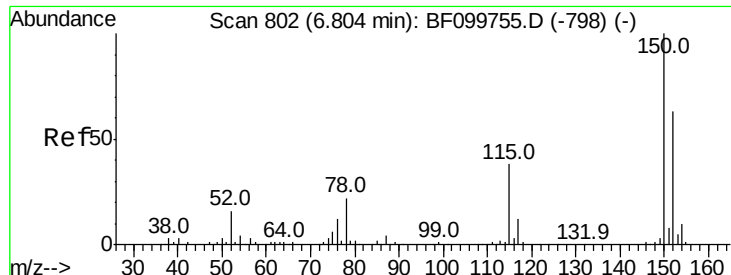
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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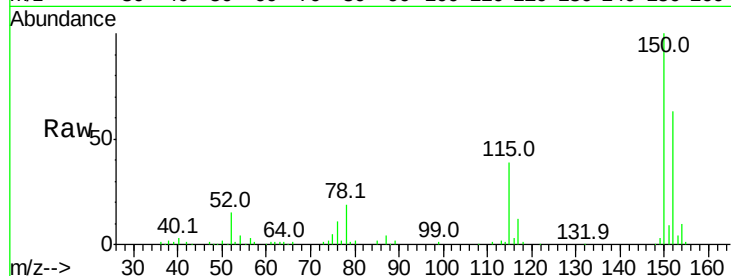


#1

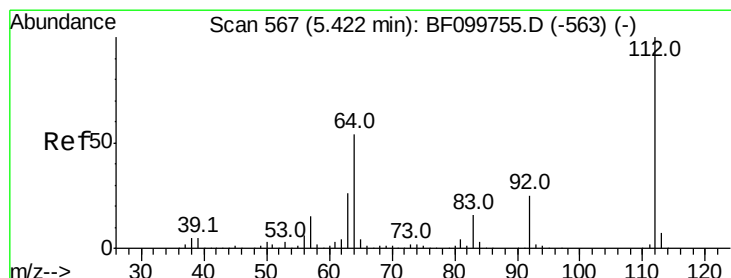
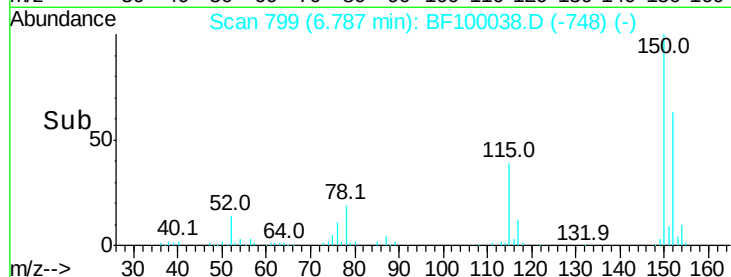
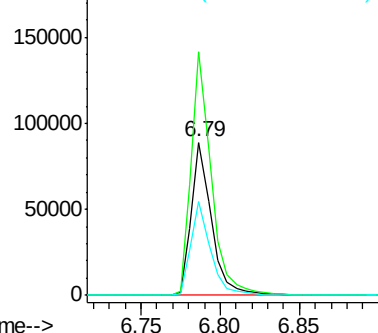
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF100038.D
Acq: 1 Nov 2017 9:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 78816
Ion Ratio Lower Upper
152 100
150 159.0 124.6 186.8
115 61.4 50.1 75.1



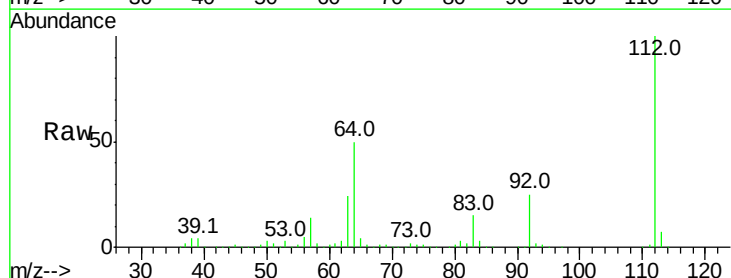
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



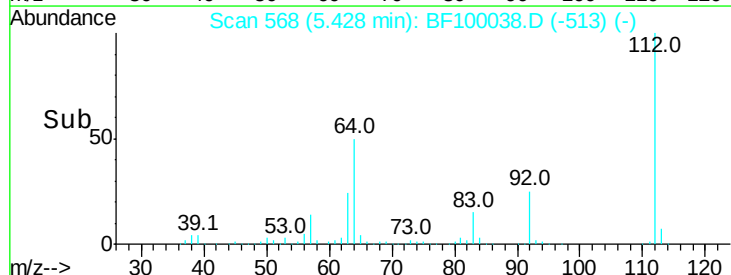
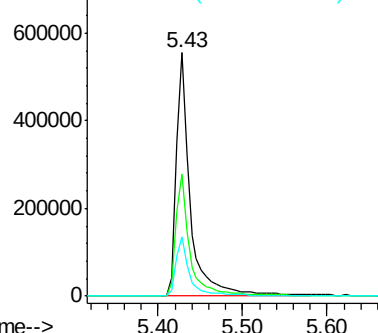
#5

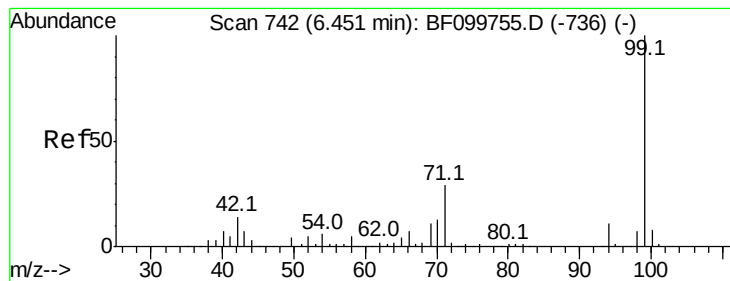
2-Fluorophenol
Concen: 127.923 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF100038.D
Acq: 1 Nov 2017 9:52

Tgt Ion:112 Resp: 642206
Ion Ratio Lower Upper
112 100
64 50.1 47.9 71.9
63 24.2 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: 120.045 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF100038.D

Acq: 1 Nov 2017 9:52

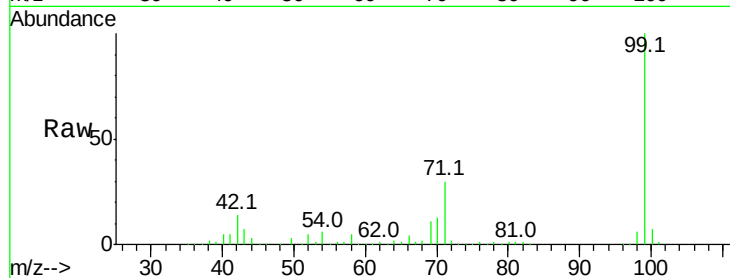
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 714580

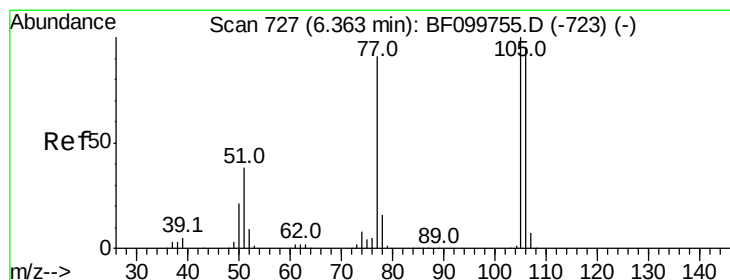
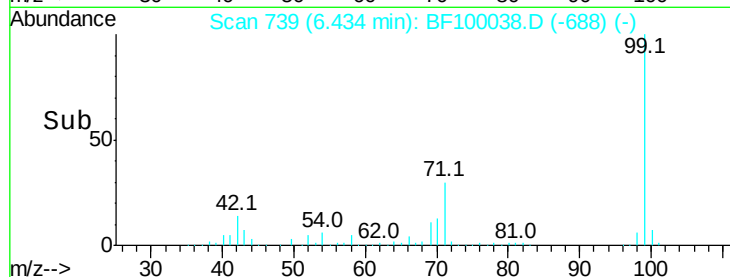
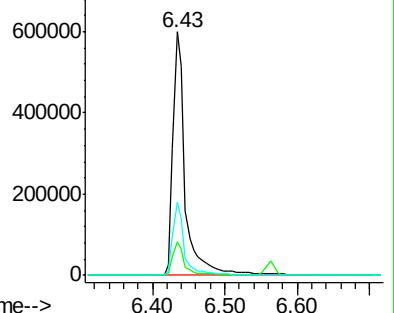
Ion	Ratio	Lower	Upper
99	100		
42	13.9	14.5	21.7#
71	30.1	25.4	38.0



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



#9

Benzaldehyde

Concen: 3.328 ng

RT: 6.56 min Scan# 761

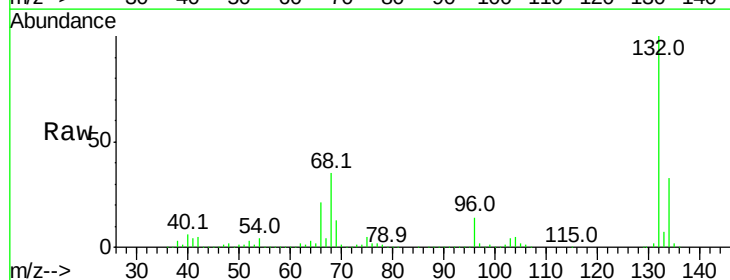
Delta R.T. 0.21 min

Lab File: BF100038.D

Acq: 1 Nov 2017 9:52

Tgt Ion: 77 Resp: 11838

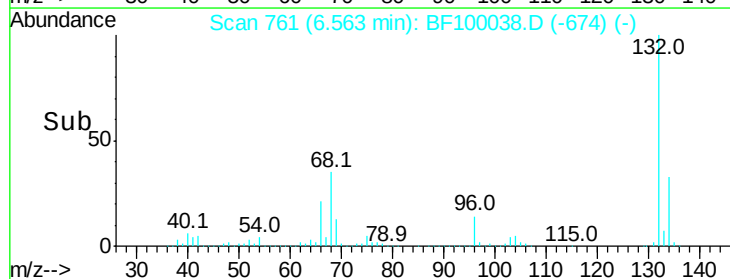
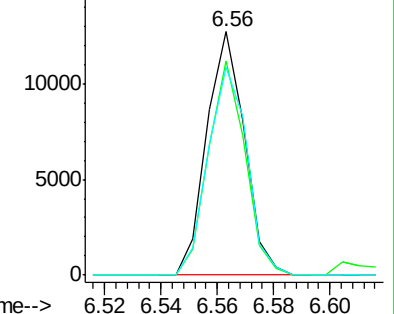
Ion	Ratio	Lower	Upper
77	100		
105	88.2	81.1	121.1
106	85.4	74.5	114.5

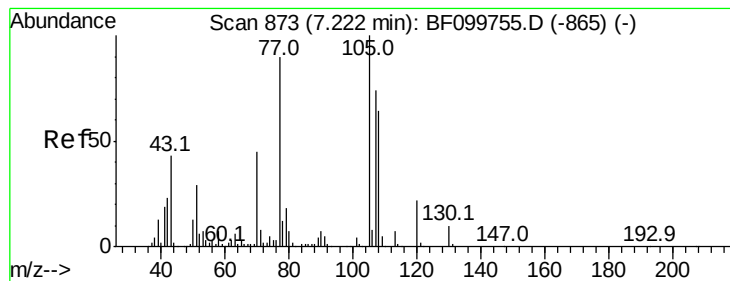


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 16.530 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF100038.D

Acq: 1 Nov 2017 9:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 57664

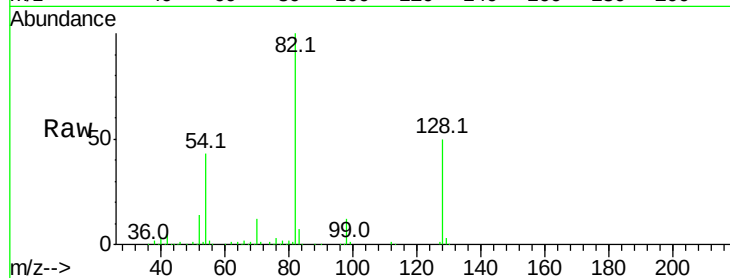
Ion Ratio Lower Upper

70 100

42 40.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#

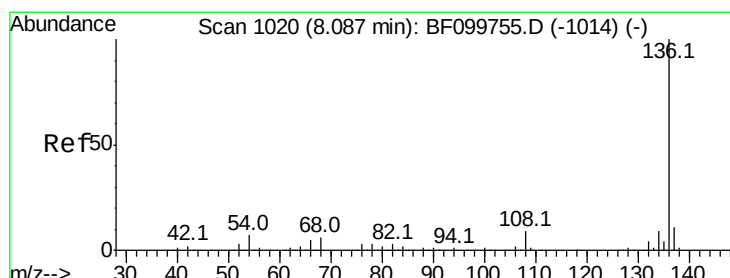
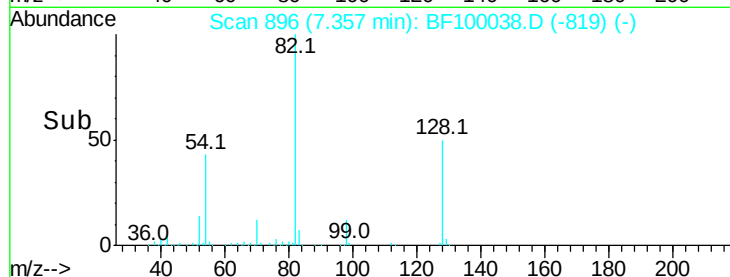
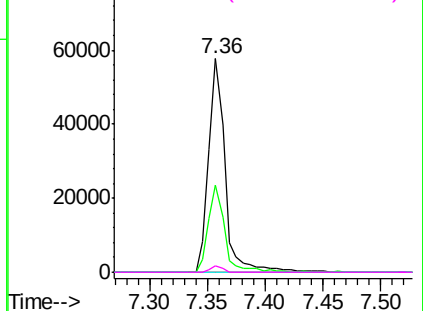


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF100038.D

Acq: 1 Nov 2017 9:52

Tgt Ion: 136 Resp: 324074

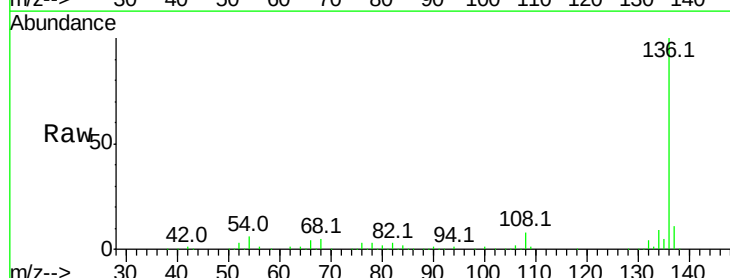
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.0 6.6 9.8#

68 5.5 5.0 7.4

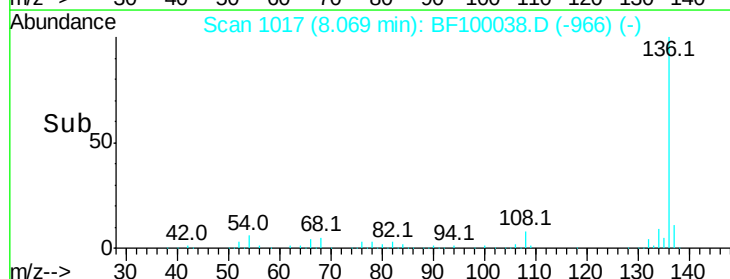
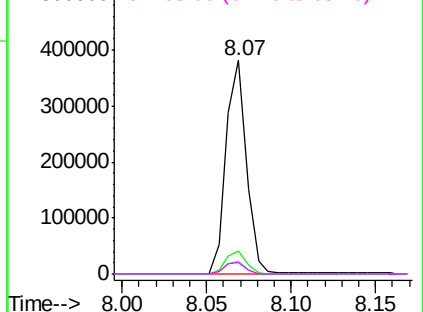


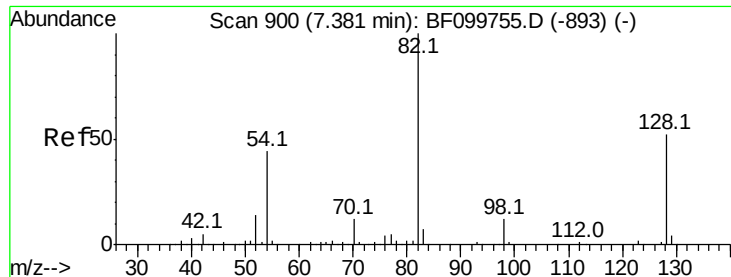
Abundance Ion 136.00 (135.70 to 136.70): BF1

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

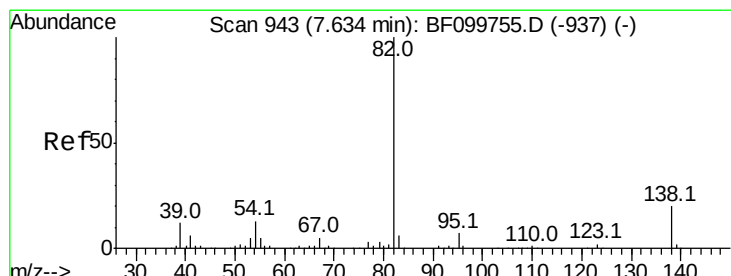
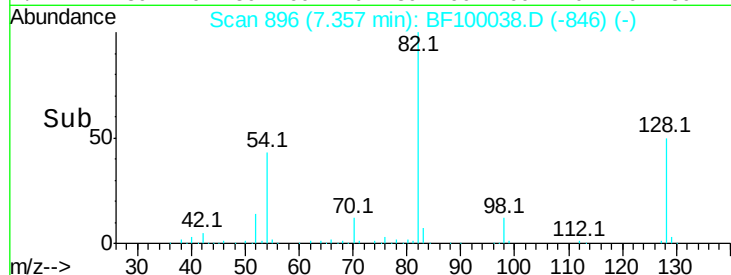
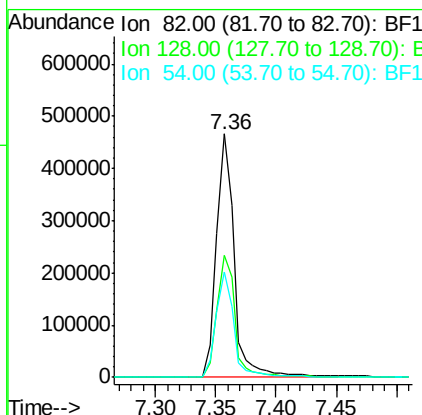
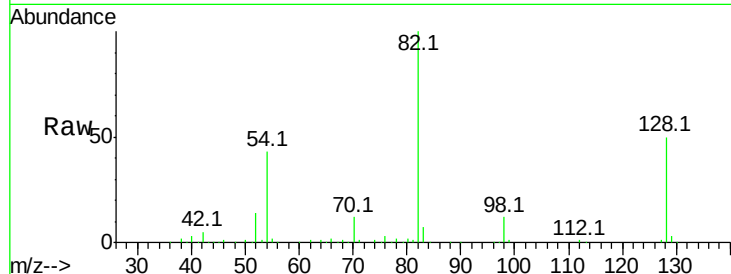




#23
 Nitrobenzene-d5
 Concen: 93.155 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF100038.D
 Acq: 1 Nov 2017 9:52

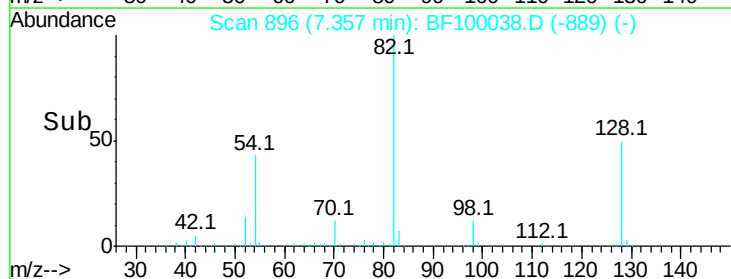
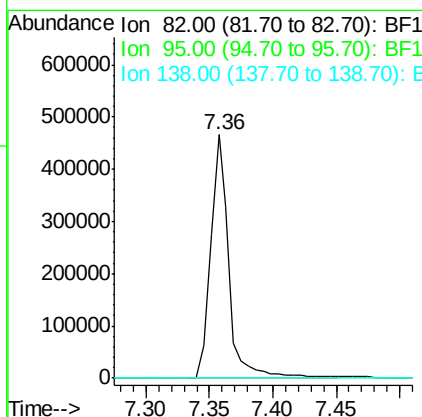
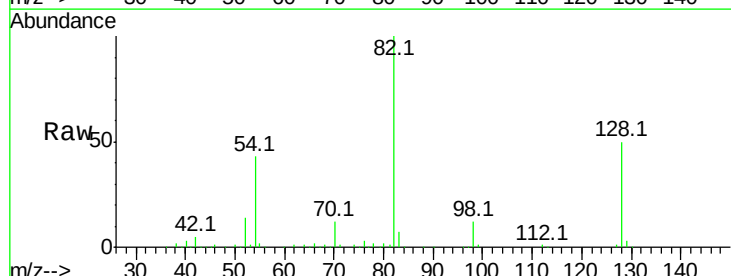
Instrument :
 BNA_F
 ClientSampleID :

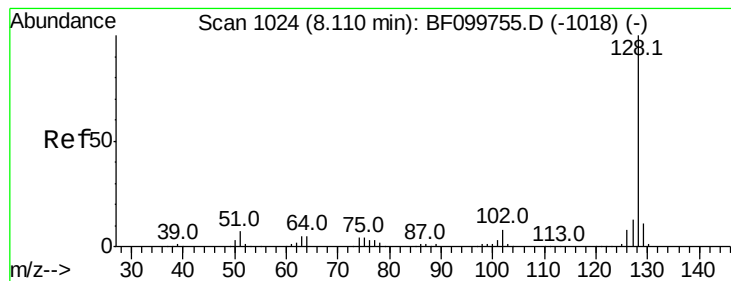
Tot Ion	82	Resp	468918
Ion Ratio	Lower	Upper	
82	100		
128	50.2	36.1	54.1
54	43.3	41.4	62.2



#25
 Isophorone
 Concen: 51.337 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.26 min
 Lab File: BF100038.D
 Acq: 1 Nov 2017 9:52

Tgt Ion	82	Resp	468912
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#31

Naphthalene

Concen: 39.708 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF100038.D

Acq: 1 Nov 2017 9:52

Instrument :

BNA_F

ClientSampleId :

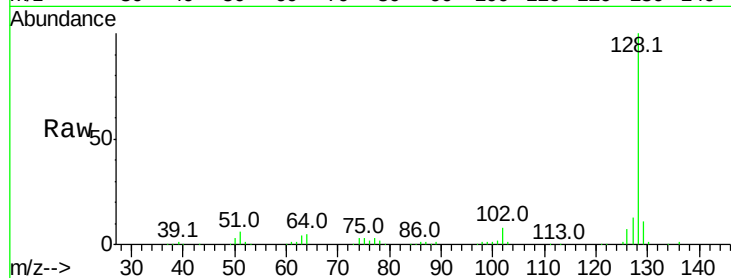
Tot Ion:128 Resp: 621159

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

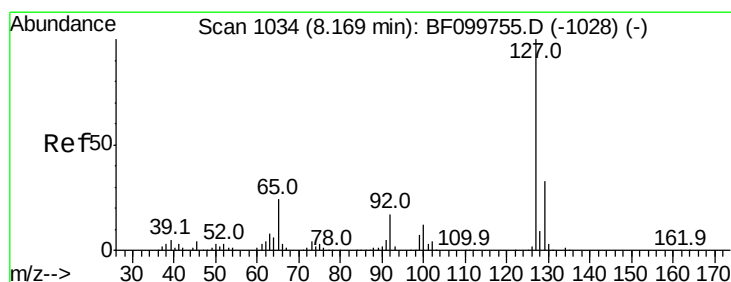
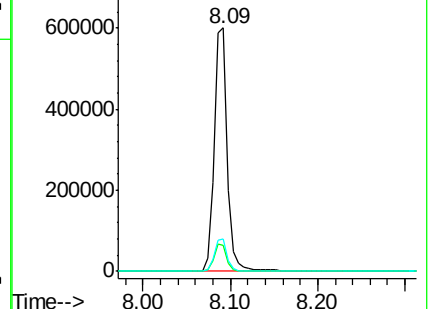
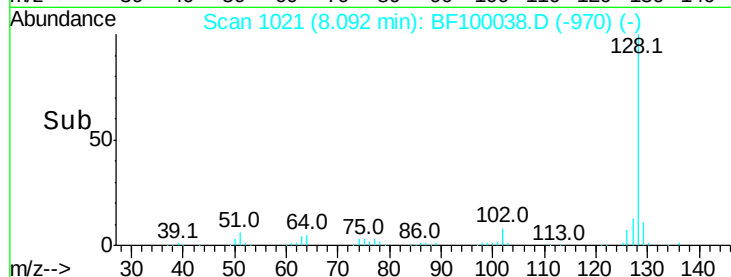
127 13.3 10.9 16.3



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: 12.523 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.06 min

Lab File: BF100038.D

Acq: 1 Nov 2017 9:52

Tgt Ion:127 Resp: 80893

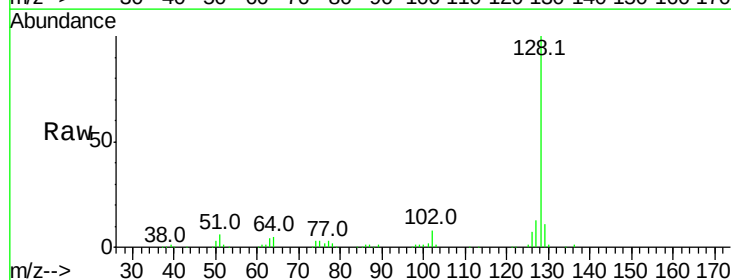
Ion Ratio Lower Upper

127 100

129 81.2 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

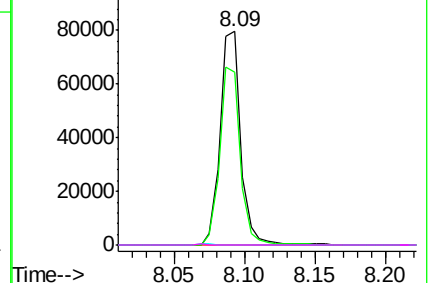
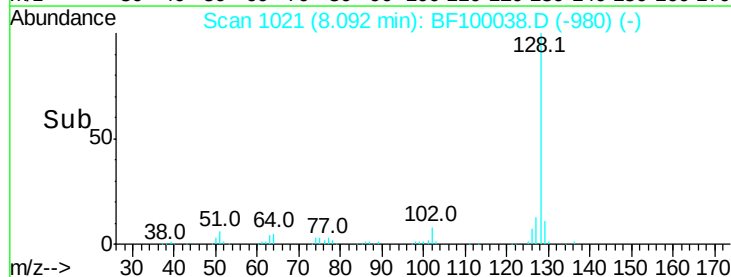


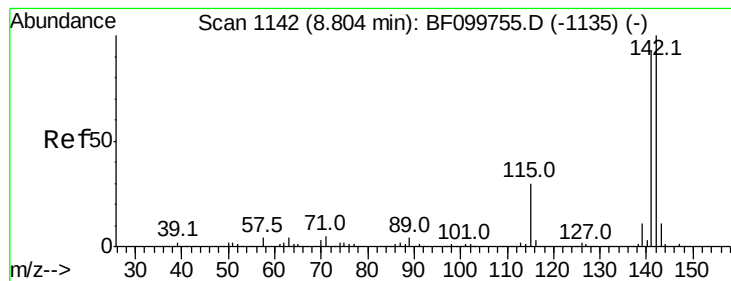
Abundance Ion 127.00 (126.70 to 127.70): E

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: 4.031 ng

RT: 8.79 min Scan# 1139

Delta R.T. 0.01 min

Lab File: BF100038.D

Acq: 1 Nov 2017 9:52

Instrument :

BNA_F

ClientSampleId :

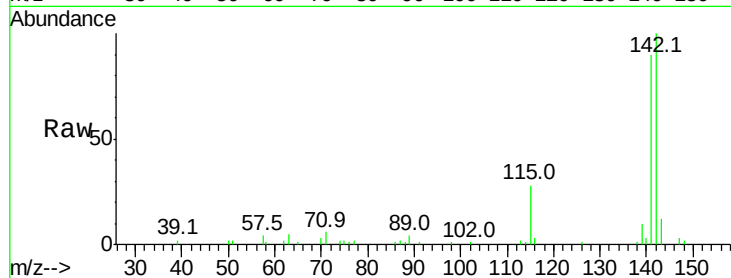
Tot Ion:142 Resp: 42258

Ion Ratio Lower Upper

142 100

141 89.7 70.8 106.2

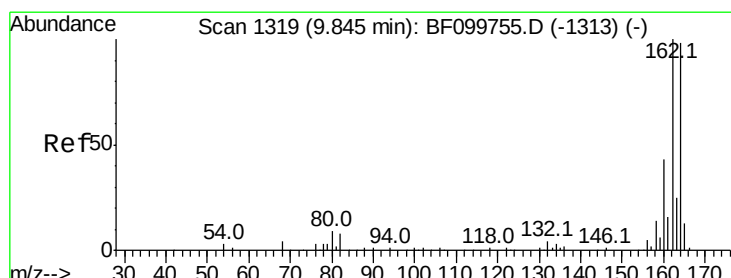
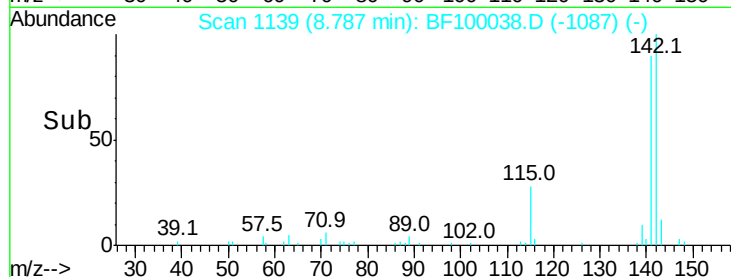
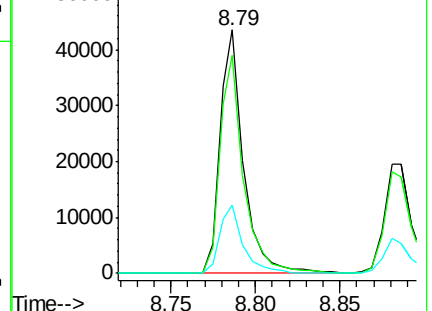
115 28.2 26.1 39.1



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: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF100038.D

Acq: 1 Nov 2017 9:52

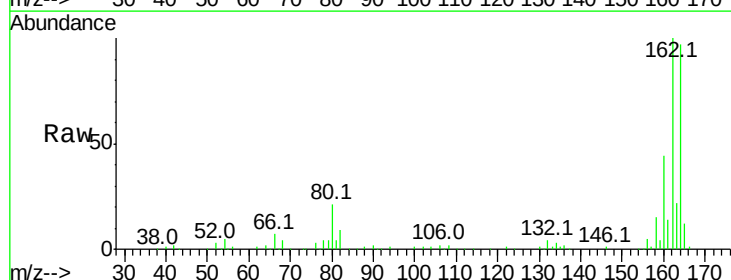
Tgt Ion:164 Resp: 154665

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

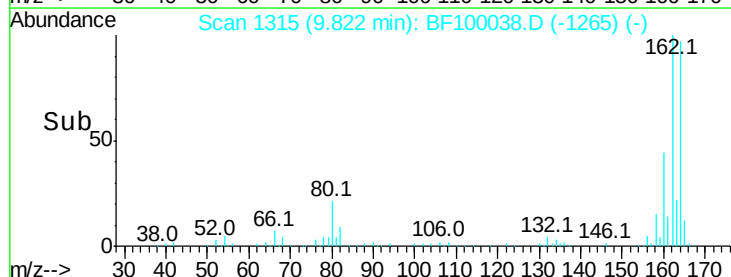
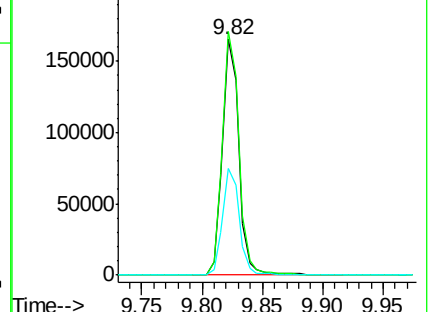
160 45.1 38.3 57.5

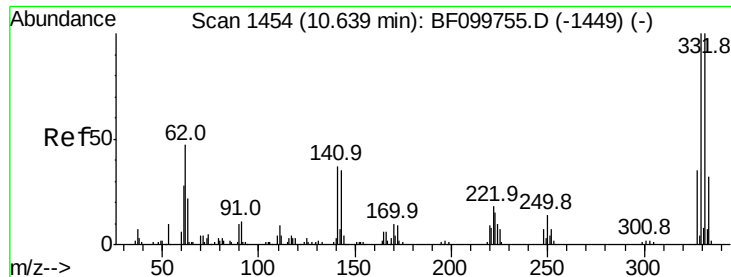


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

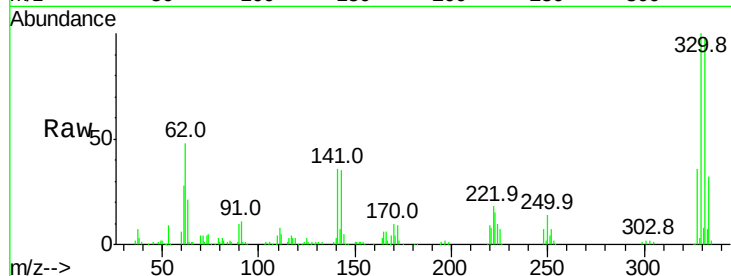




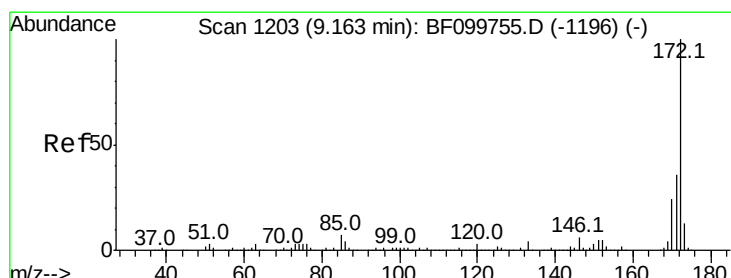
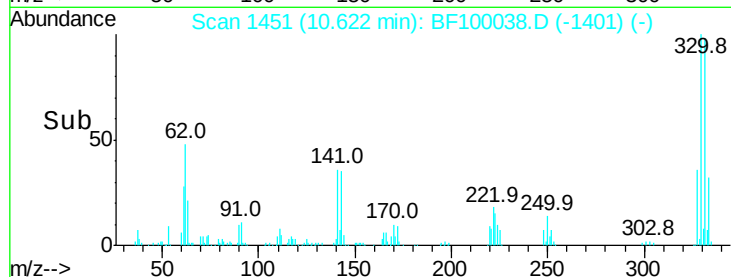
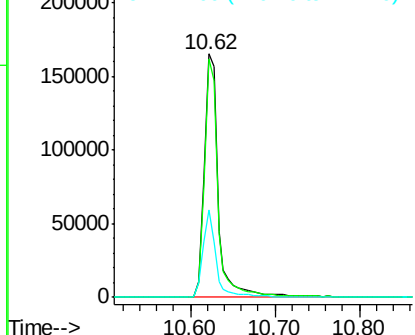
#41
 2,4,6-Tribromophenol
 Concen: 134.428 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF100038.D
 Acq: 1 Nov 2017 9:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 189474
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 33.6 29.9 44.9

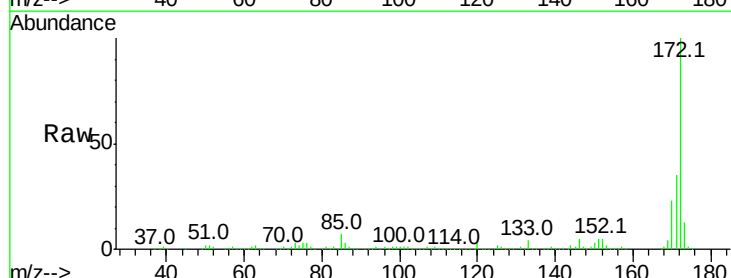


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

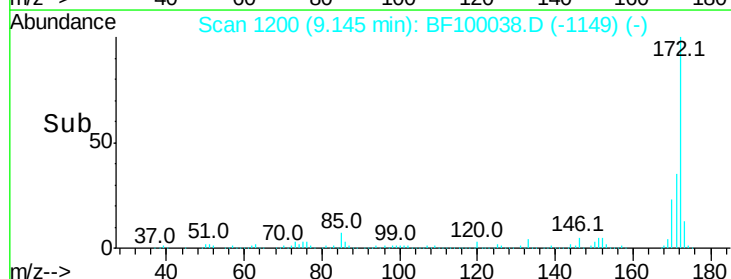
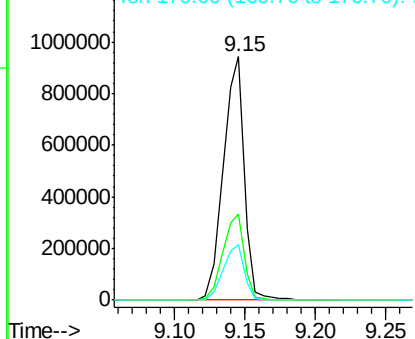


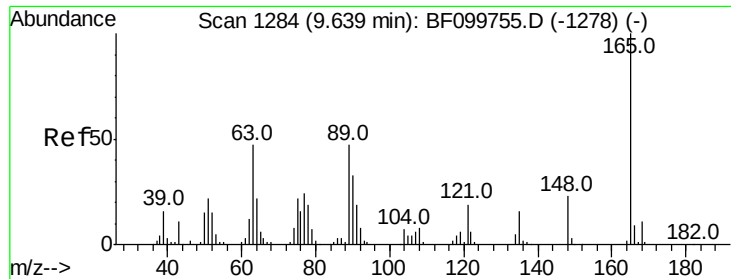
#44
 2-Fluorobiphenyl
 Concen: 96.578 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF100038.D
 Acq: 1 Nov 2017 9:52

Tgt Ion:172 Resp: 968165
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.0 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: 7.198 ng

RT: 9.82 min Scan# 1315

Delta R.T. 0.19 min

Lab File: BF100038.D

Acq: 1 Nov 2017 9:52

Instrument :

BNA_F

ClientSampleId :

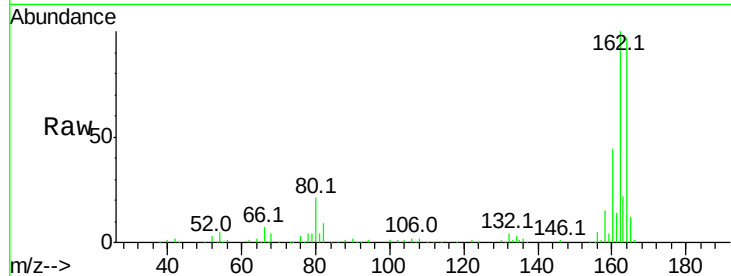
Tot Ion:165 Resp: 18534

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

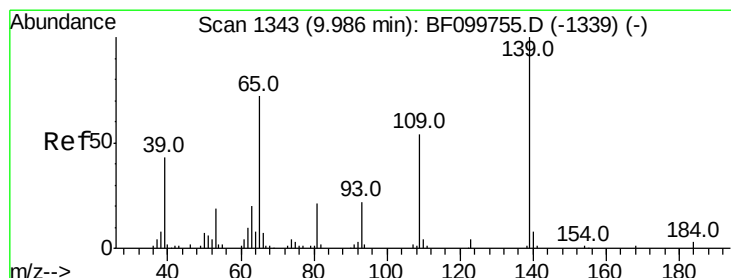
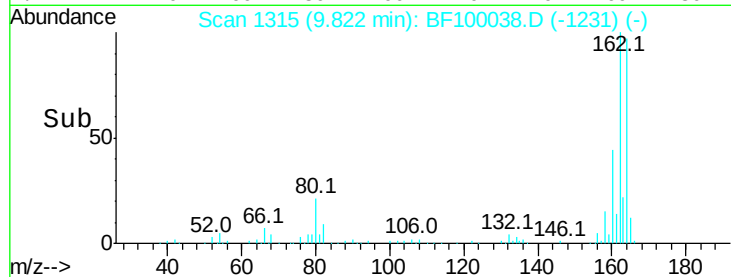
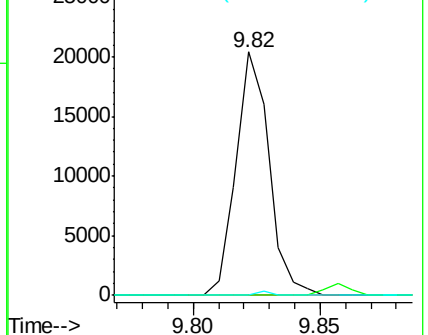
89 0.0 44.0 66.0#



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



#55

4-Nitrophenol

Concen: 3.880 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.05 min

Lab File: BF100038.D

Acq: 1 Nov 2017 9:52

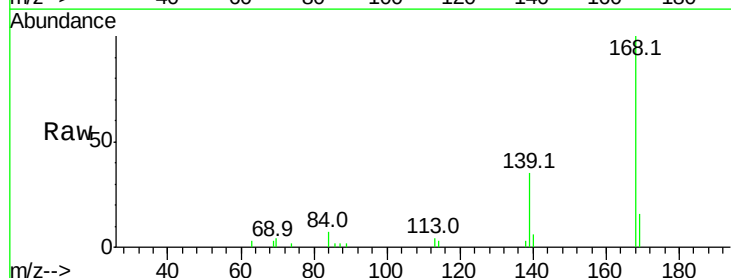
Tgt Ion:139 Resp: 6150

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

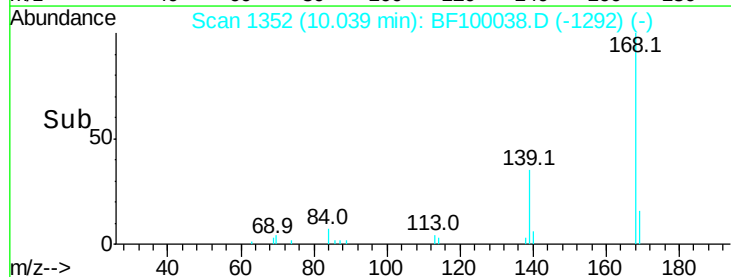
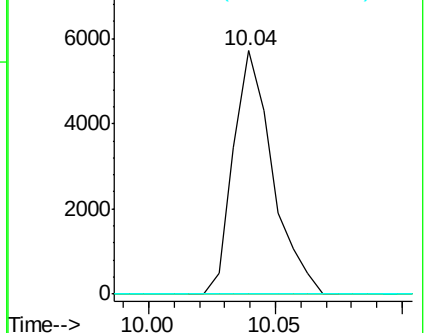
65 0.0 72.6 112.6#

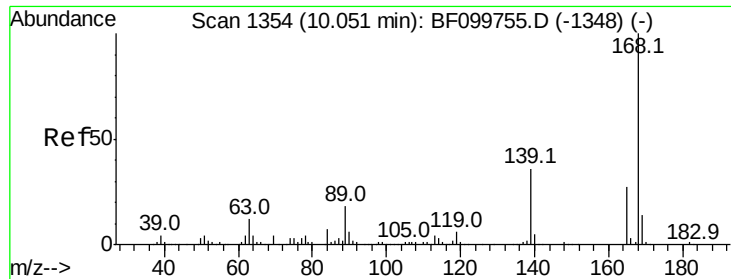


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

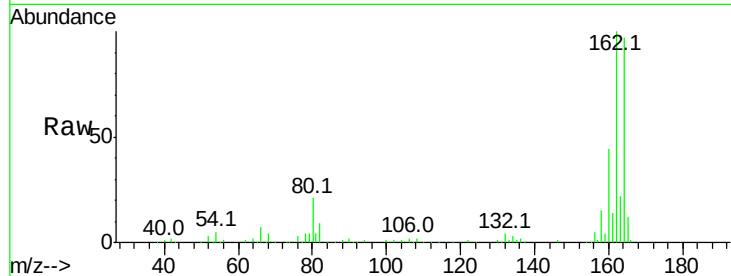




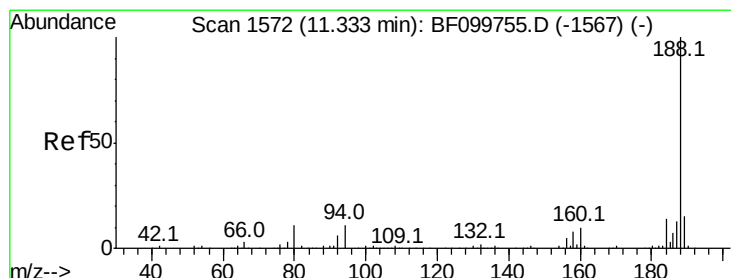
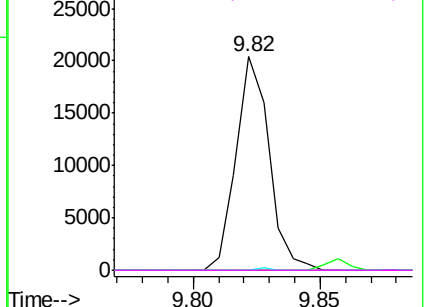
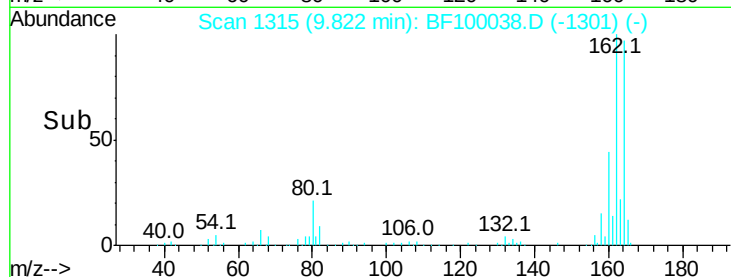
#56
 2,4-Dinitrotoluene
 Concen: 5.977 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.22 min
 Lab File: BF100038.D
 Acq: 1 Nov 2017 9:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 18534
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

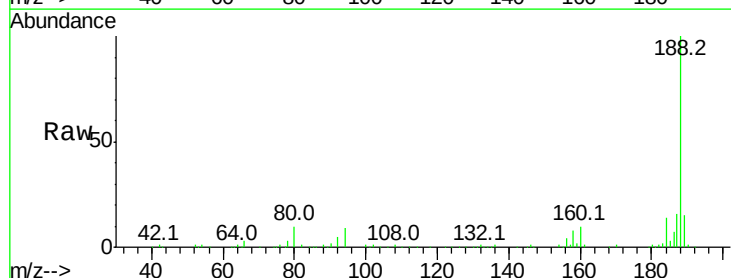


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

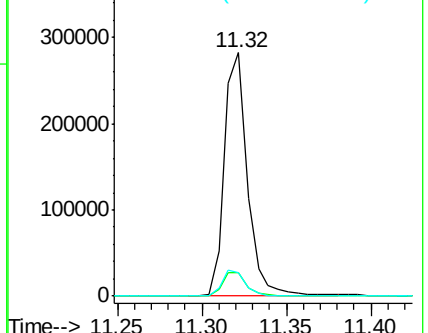
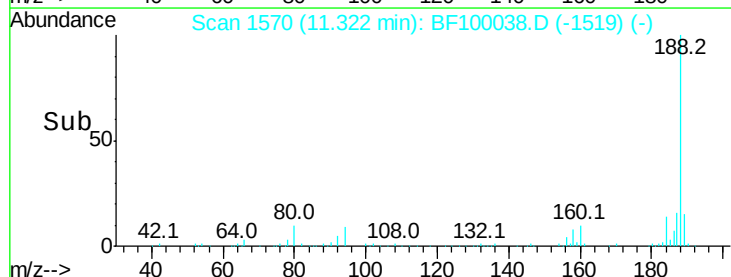


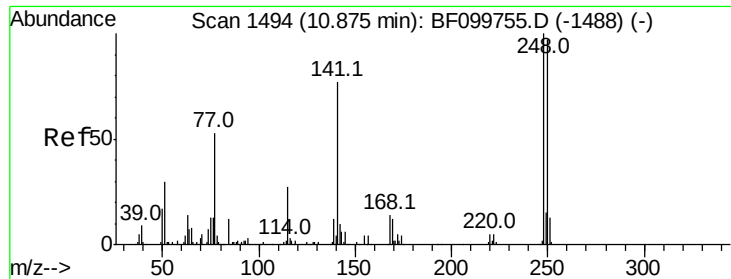
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF100038.D
 Acq: 1 Nov 2017 9:52

Tgt Ion:188 Resp: 269883
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.5 12.7
 80 9.7 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

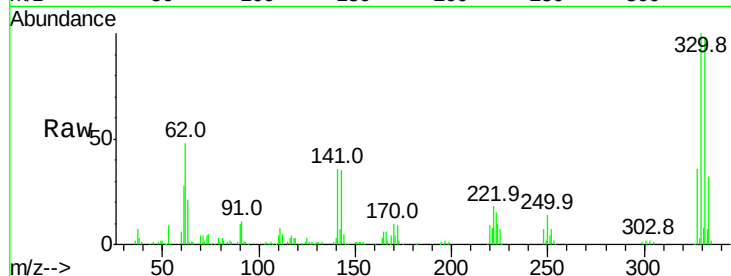




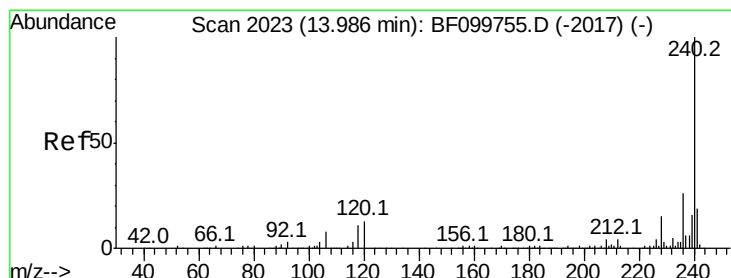
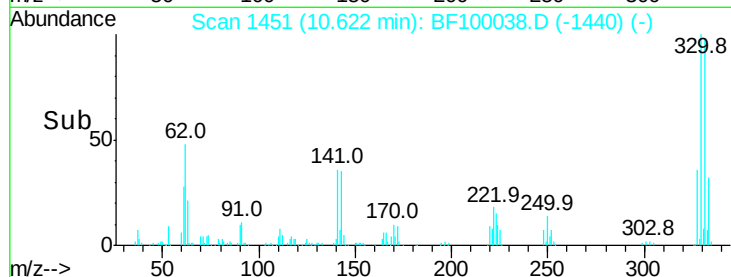
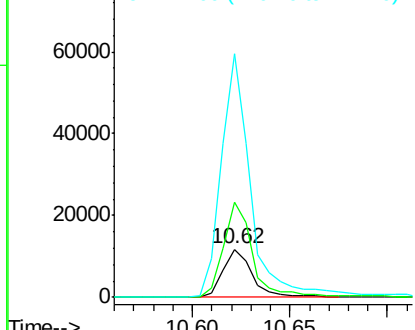
#66
4-Bromophenyl-phenylether
Concen: 4.308 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.24 min
Lab File: BF100038.D
Acq: 1 Nov 2017 9:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 12239
Ion Ratio Lower Upper
248 100
250 198.7 76.9 115.3#
141 506.8 74.4 111.6#

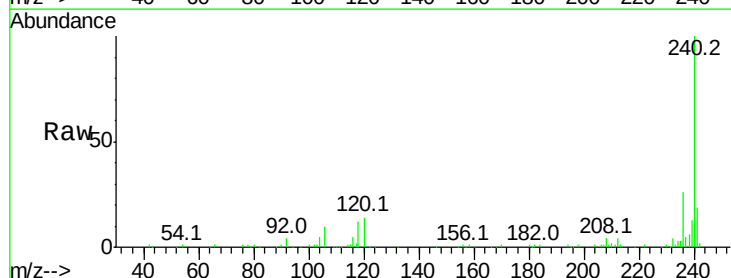


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

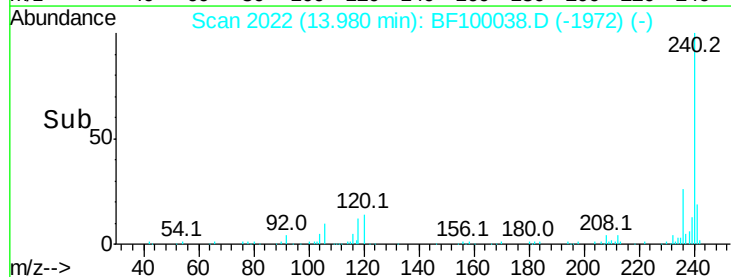
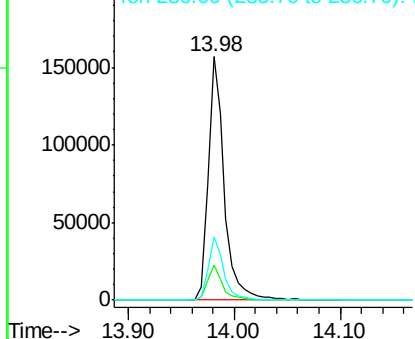


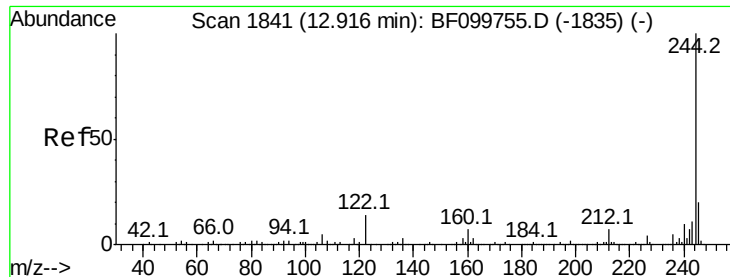
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF100038.D
Acq: 1 Nov 2017 9:52

Tgt Ion:240 Resp: 165474
Ion Ratio Lower Upper
240 100
120 14.4 9.5 14.3#
236 25.7 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: 109.249 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF100038.D

Acq: 1 Nov 2017 9:52

Instrument :

BNA_F

ClientSampleId :

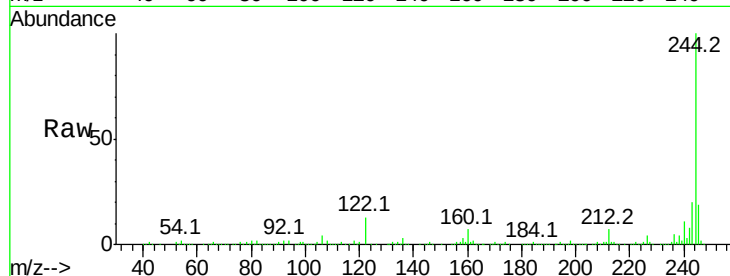
Tot Ion:244 Resp: 827221

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

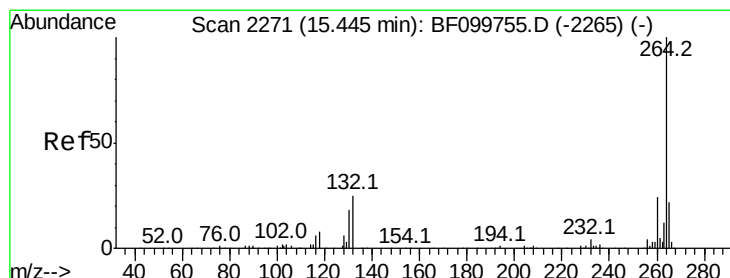
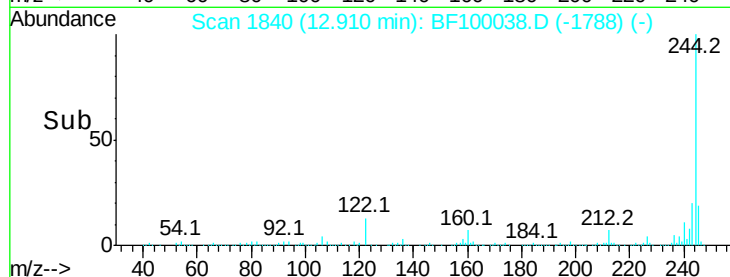
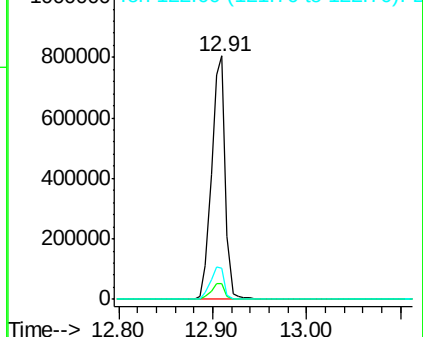
122 12.7 11.0 16.4



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: 15.48 min Scan# 2277

Delta R.T. 0.01 min

Lab File: BF100038.D

Acq: 1 Nov 2017 9:52

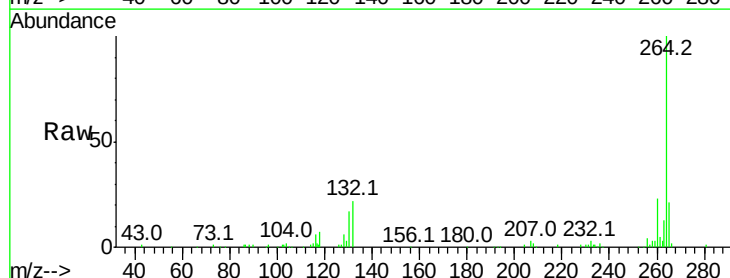
Tgt Ion:264 Resp: 137741

Ion Ratio Lower Upper

264 100

260 22.8 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

