

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104492.D
 Acq On : 13 Apr 2018 21:21
 Operator : JU/SJ
 Sample : J2318-14
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 22:55:59 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

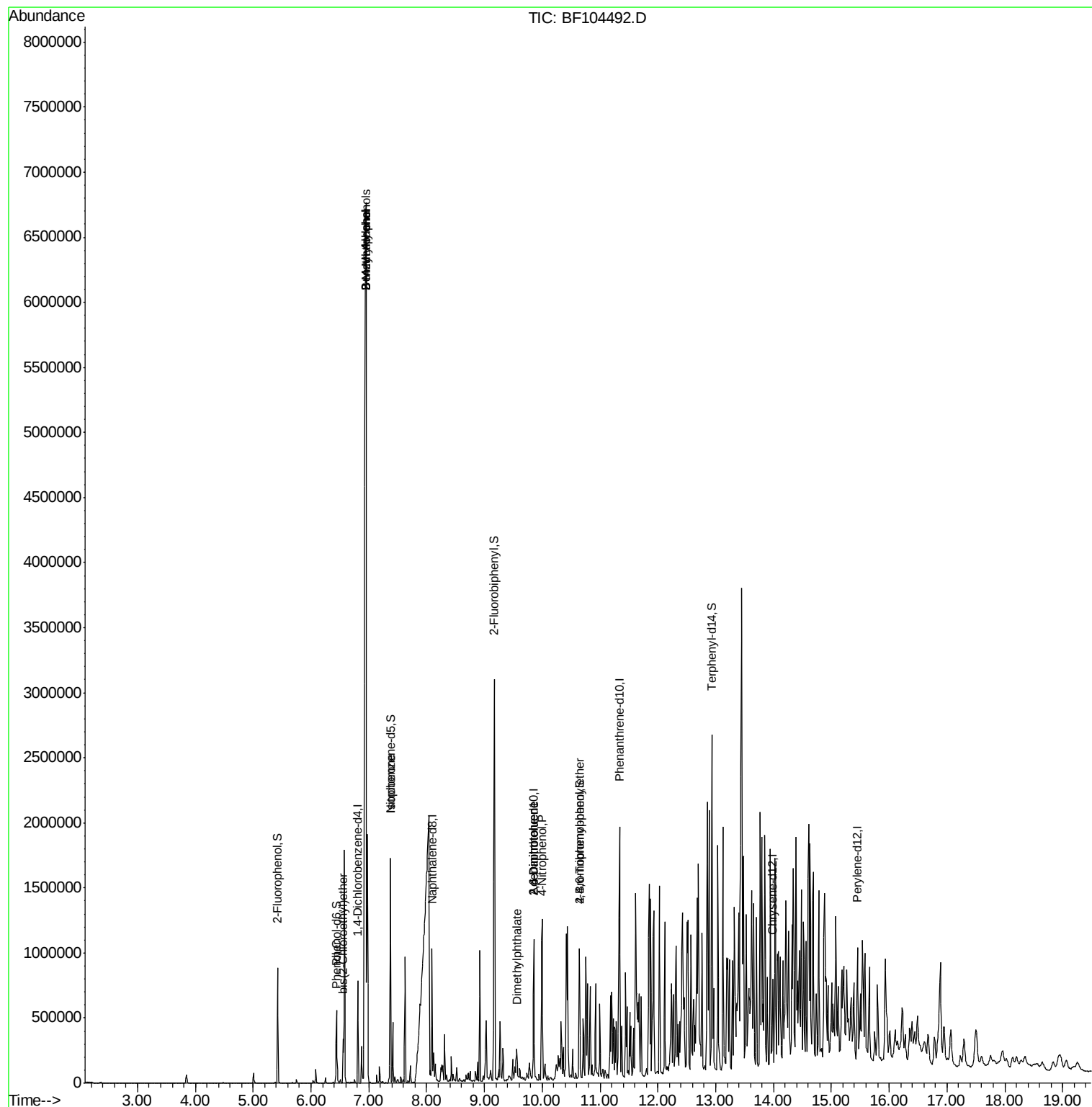
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	109257	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	434065	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	171347	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	240285	20.00	ng	0.00
75) Chrysene-d12	13.99	240	206908	20.00	ng	0.00
86) Perylene-d12	15.46	264	150653	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	235698	32.99	ng	0.00
7) Phenol-d6	6.44	99	166762	18.99	ng	0.00
23) Nitrobenzene-d5	7.37	82	642164	96.60	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	119989	67.51	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1011270	93.24	ng	0.00
78) Terphenyl-d14	12.93	244	519402	57.23	ng	0.00
Target Compounds						
9) Benzaldehyde	6.45	77	4149	Below Cal	Qvalue	# 5
10) Phenol	6.45	94	31838	3.418 ng	#	99
11) bis(2-Chloroethyl)ether	6.56	93	53145	7.149 ng	#	22
15) Benzyl Alcohol	6.95	79	753028	112.929 ng	#	54
17) 2-Methylphenol	6.95	107	409868	62.521 ng	#	1
20) 3+4-Methylphenols	6.95	107	238619	29.348 ng	#	1
25) Isophorone	7.37	82	642143	45.682 ng	#	64
49) Dimethylphthalate	9.56	163	59176	4.379 ng	#	99
50) 2,6-Dinitrotoluene	9.85	165	22619	9.047 ng	#	32
55) 4-Nitrophenol	9.99	139	11023	4.794 ng	#	28
56) 2,4-Dinitrotoluene	9.85	165	22619	6.897 ng	#	29
66) 4-Bromophenyl-phenylether	10.65	248	7657	2.996 ng	#	1
76) Benzidine	12.70	184	391	Below Cal	#	1

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

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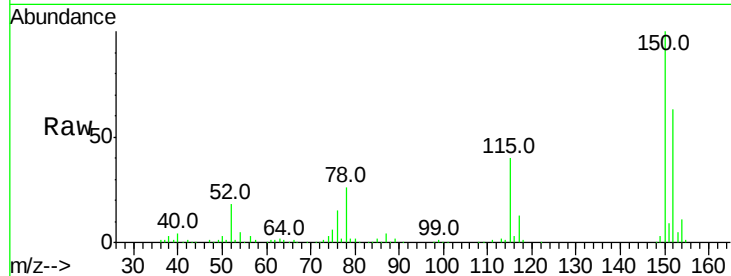


#1

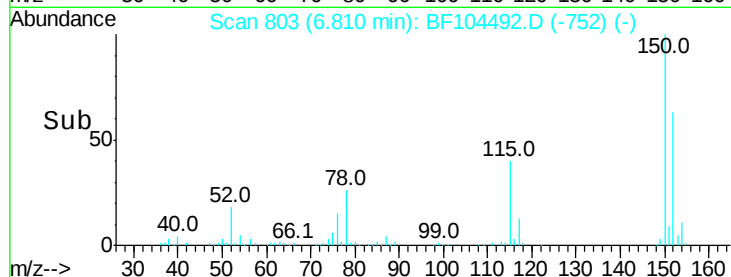
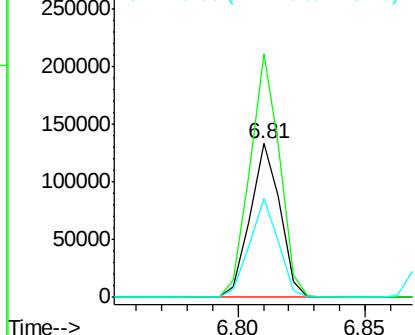
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104492.D
Acq: 13 Apr 2018 21:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 109257
Ion Ratio Lower Upper
152 100
150 158.4 124.6 186.8
115 64.0 50.1 75.1



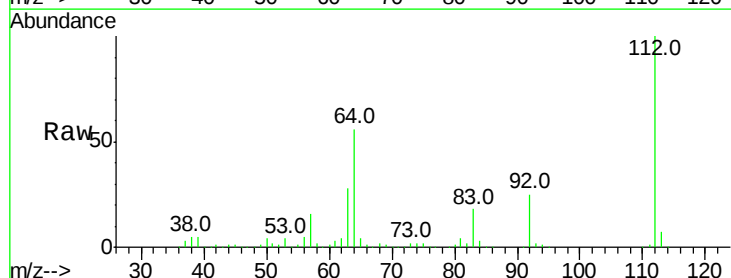
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



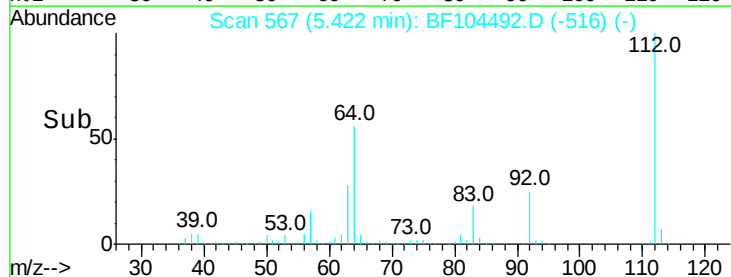
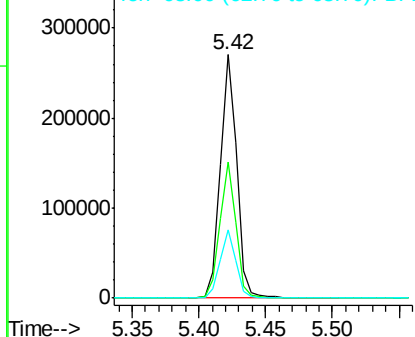
#5

2-Fluorophenol
Concen: 32.986 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.00 min
Lab File: BF104492.D
Acq: 13 Apr 2018 21:21

Tgt Ion:112 Resp: 235698
Ion Ratio Lower Upper
112 100
64 55.8 47.9 71.9
63 28.2 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: 18.995 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104492.D

Acq: 13 Apr 2018 21:21

Instrument :

BNA_F

ClientSampleId :

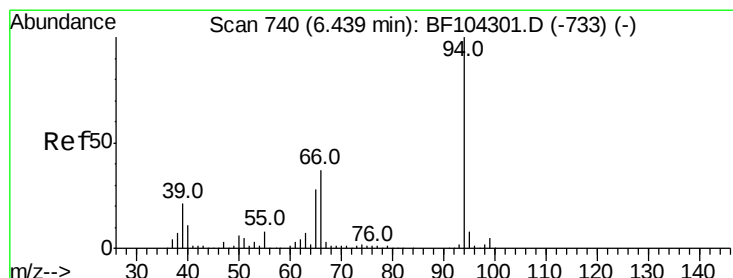
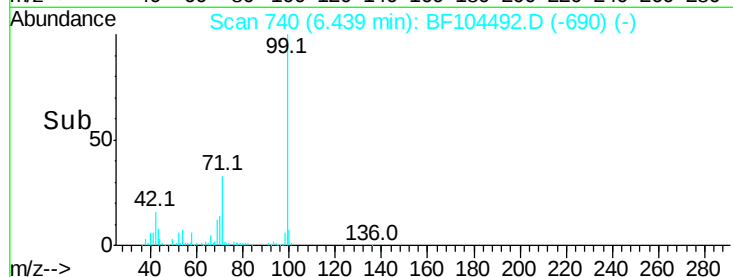
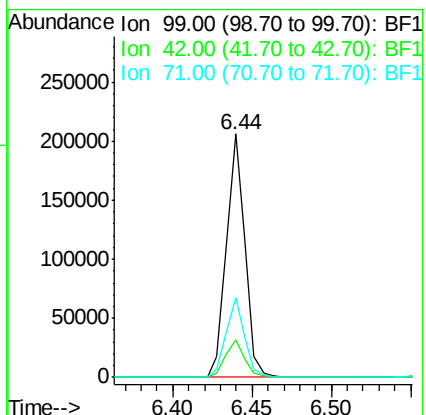
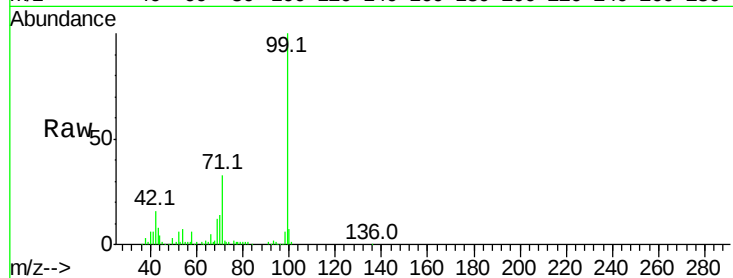
Tot Ion: 99 Resp: 166762

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

71 32.9 25.4 38.0



#10

Phenol

Concen: 3.418 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF104492.D

Acq: 13 Apr 2018 21:21

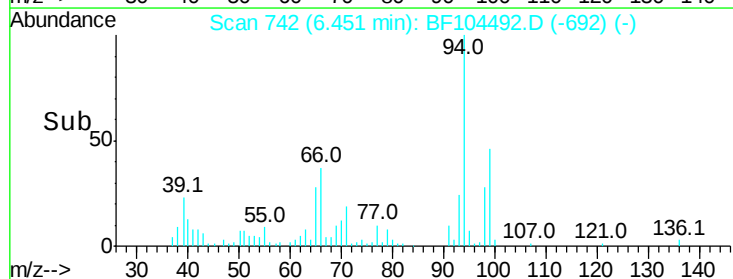
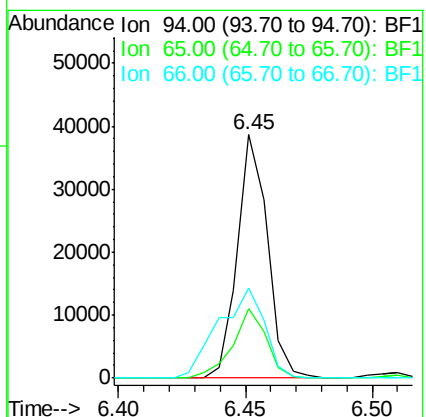
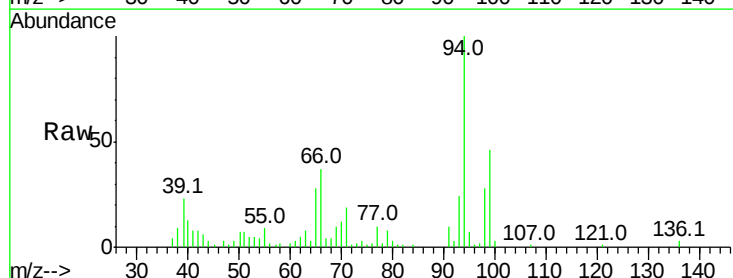
Tgt Ion: 94 Resp: 31838

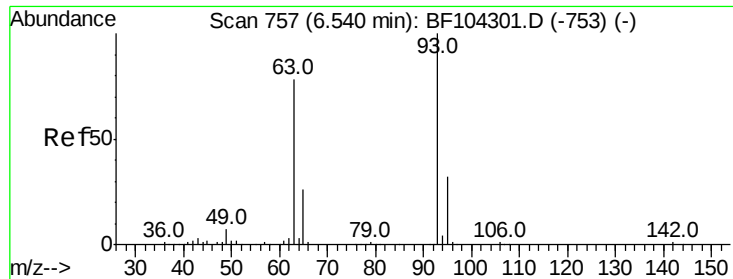
Ion Ratio Lower Upper

94 100

65 28.4 7.9 47.9

66 37.1 16.2 56.2





#11

bis(2-Chloroethyl)ether

Concen: 7.149 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.01 min

Lab File: BF104492.D

Acq: 13 Apr 2018 21:21

Instrument :

BNA_F

ClientSampled :

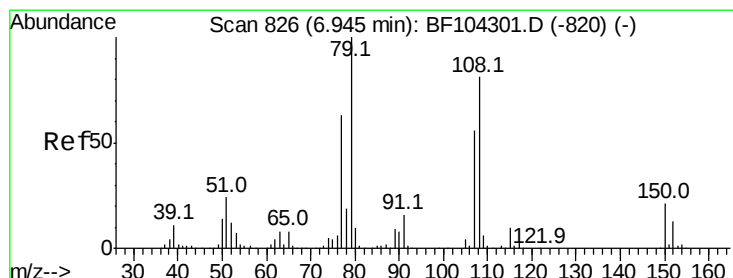
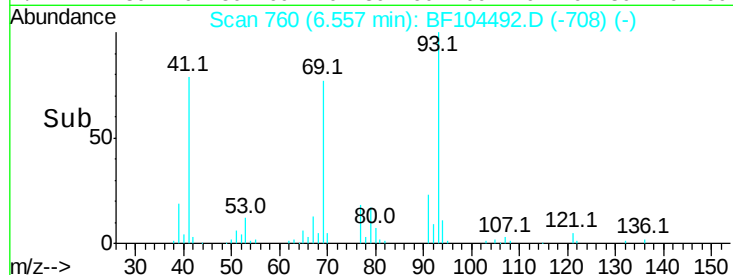
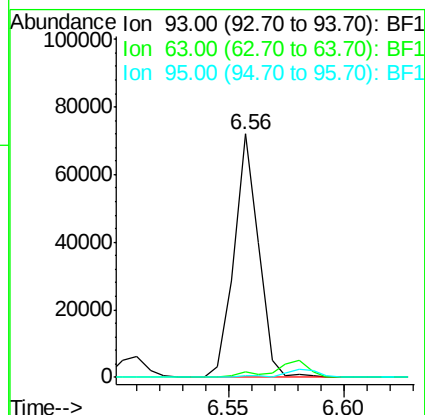
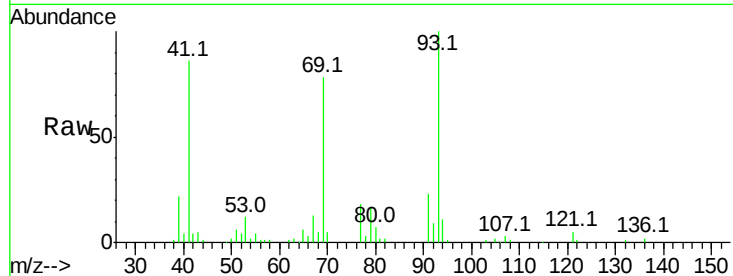
Tot Ion: 93 Resp: 53145

Ion Ratio Lower Upper

93 100

63 2.1 58.6 98.6#

95 0.9 11.8 51.8#



#15

Benzyl Alcohol

Concen: 112.929 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF104492.D

Acq: 13 Apr 2018 21:21

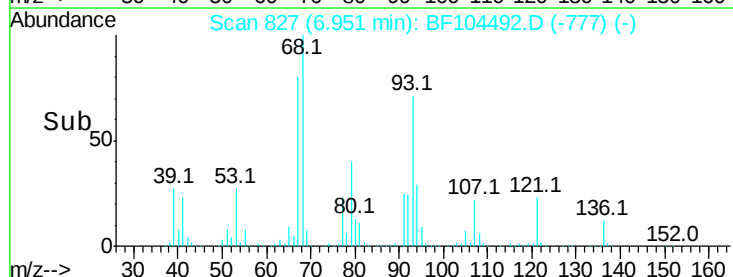
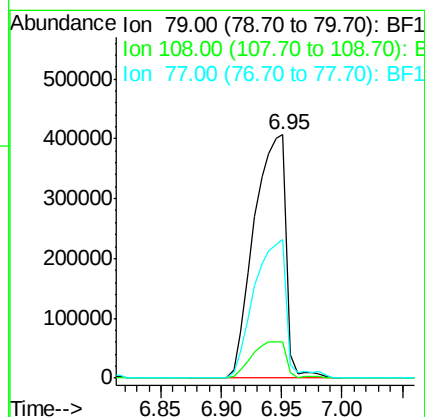
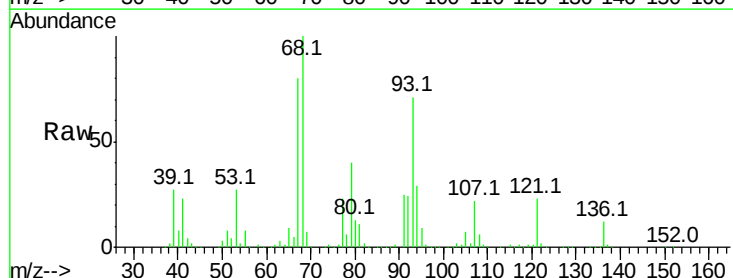
Tgt Ion: 79 Resp: 753028

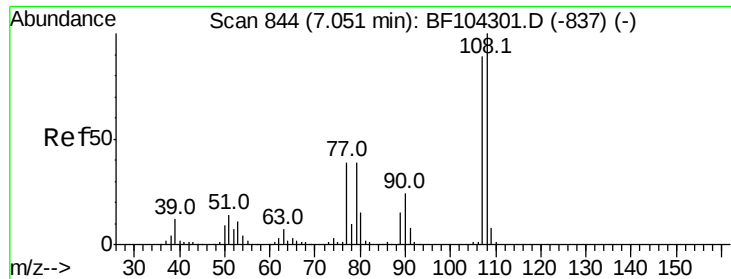
Ion Ratio Lower Upper

79 100

108 15.0 65.1 97.7#

77 56.7 50.6 75.8

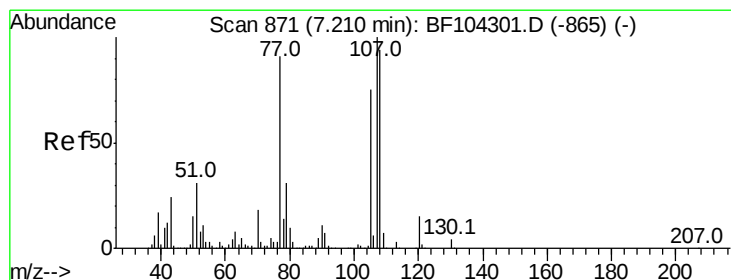
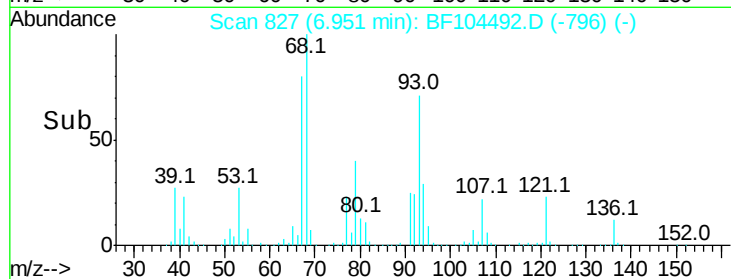
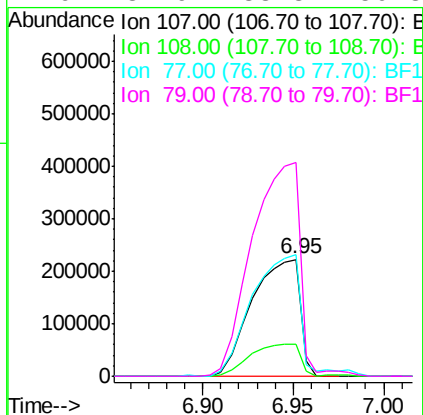
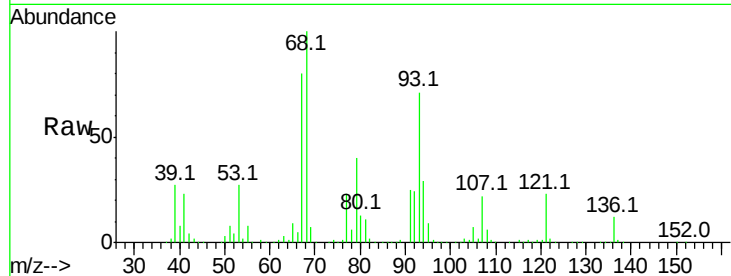




#17
2-Methylphenol
Concen: 62.521 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.12 min
Lab File: BF104492.D
Acq: 13 Apr 2018 21:21

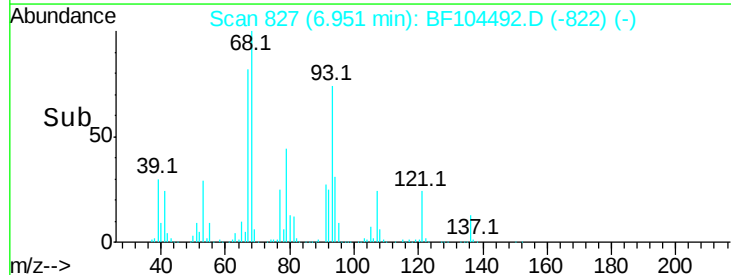
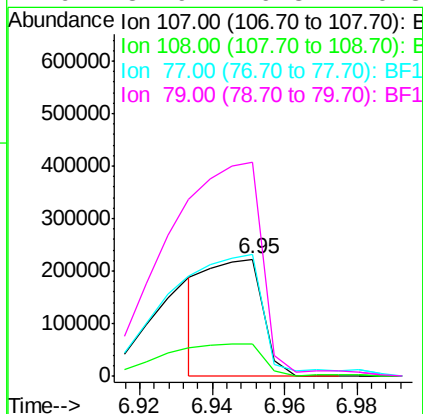
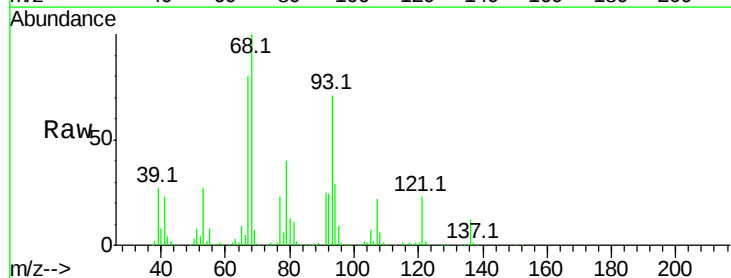
Instrument :
BNA_F
ClientSampleId :

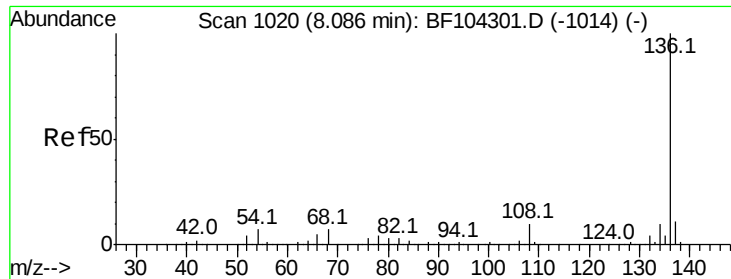
Tot Ion:	107	Resp:	409868
Ion	Ratio	Lower	Upper
107	100		
108	27.5	91.7	137.5#
77	103.7	33.8	50.8#
79	182.9	33.8	50.8#



#20
3+4-Methylphenols
Concen: 29.348 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.27 min
Lab File: BF104492.D
Acq: 13 Apr 2018 21:21

Tgt Ion:	107	Resp:	238619
Ion	Ratio	Lower	Upper
107	100		
108	27.5	68.2	108.2#
77	103.7	26.7	66.7#
79	182.9	6.3	46.3#

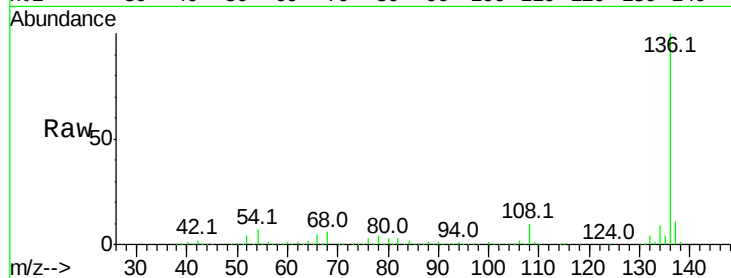




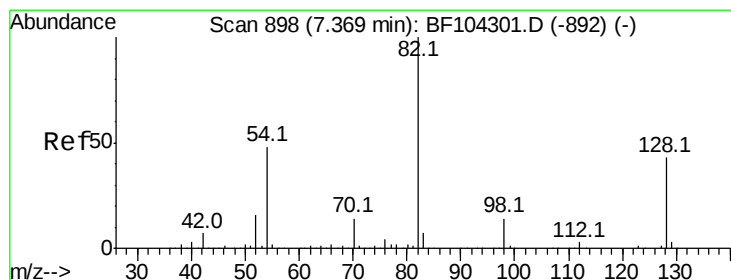
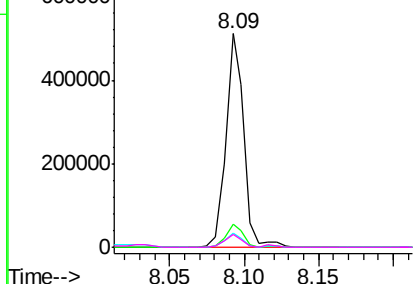
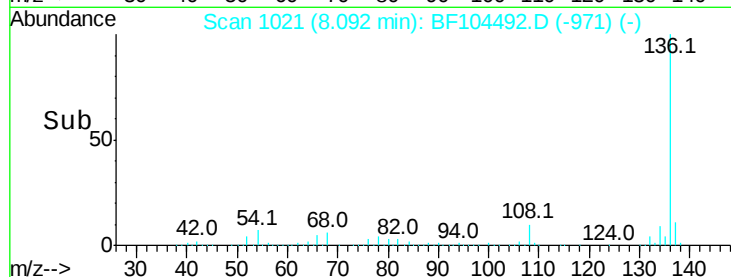
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104492.D
Acq: 13 Apr 2018 21:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	434065
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.7	6.6	9.8
68	5.9	5.0	7.4

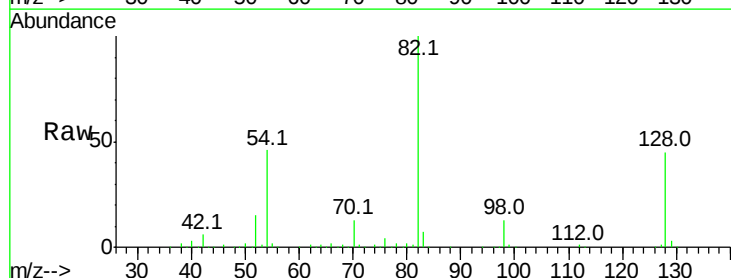


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

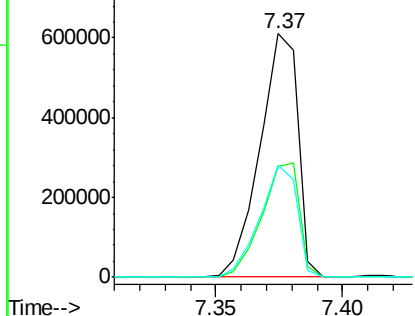
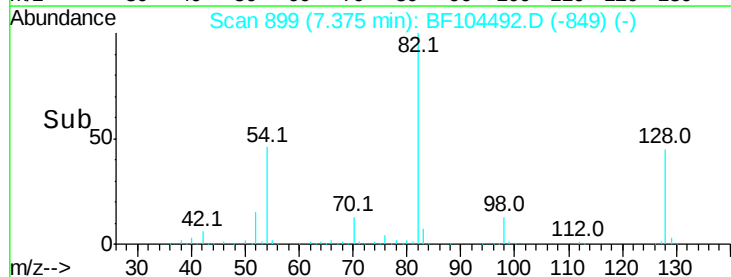


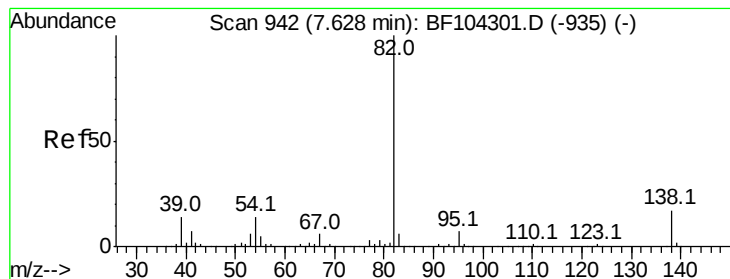
#23
Nitrobenzene-d5
Concen: 96.603 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104492.D
Acq: 13 Apr 2018 21:21

Tgt Ion:	82	Resp:	642164
Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.1	54.1
54	45.7	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: 45.682 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104492.D

Acq: 13 Apr 2018 21:21

Instrument :

BNA_F

ClientSampleId :

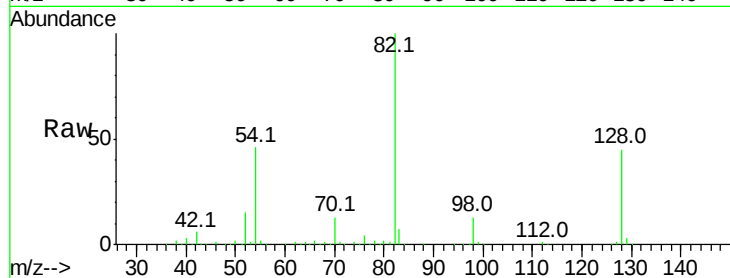
Tot Ion: 82 Resp: 642143

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

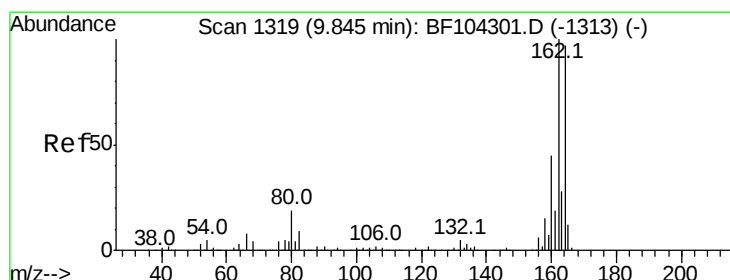
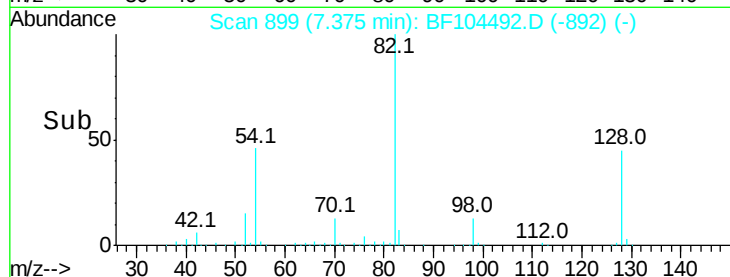
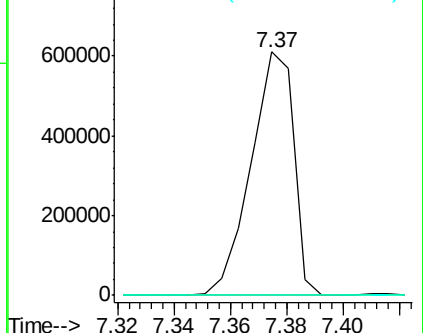
138 0.0 14.9 22.3#



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: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF104492.D

Acq: 13 Apr 2018 21:21

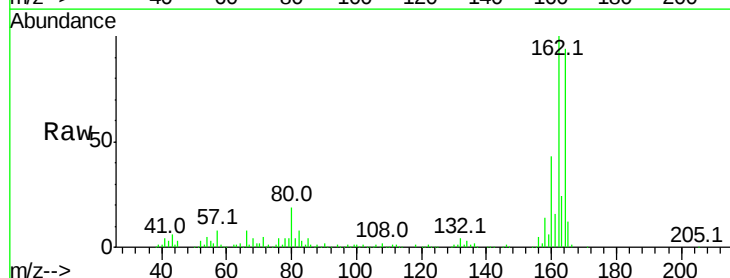
Tgt Ion:164 Resp: 171347

Ion Ratio Lower Upper

164 100

162 106.9 86.1 129.1

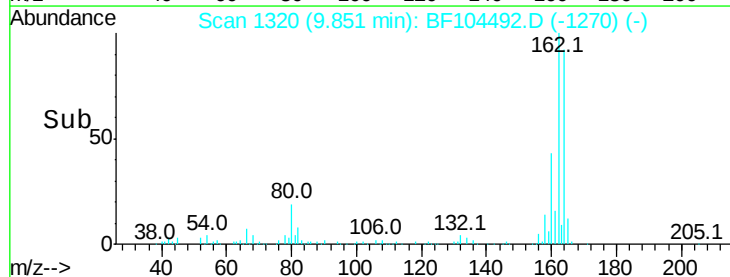
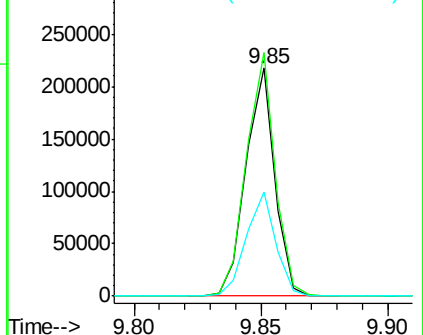
160 45.5 38.3 57.5

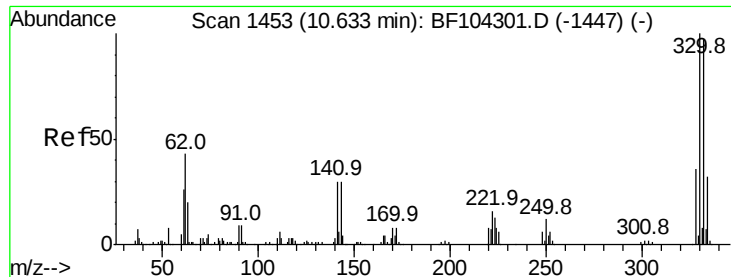


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

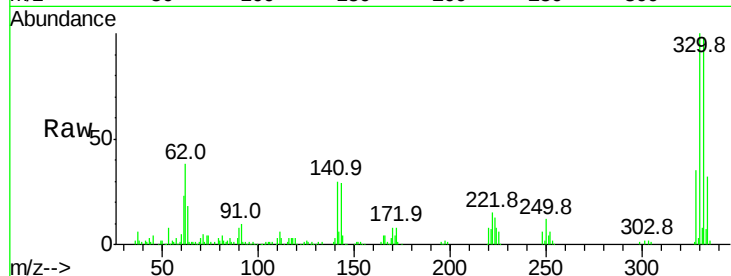




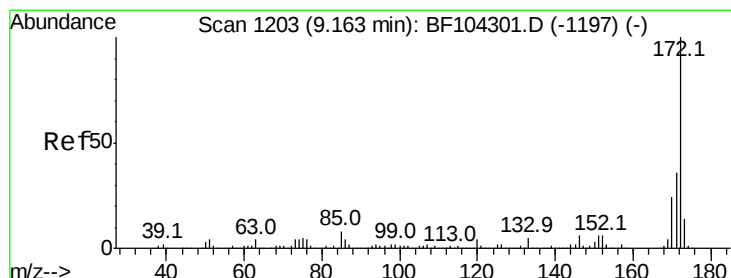
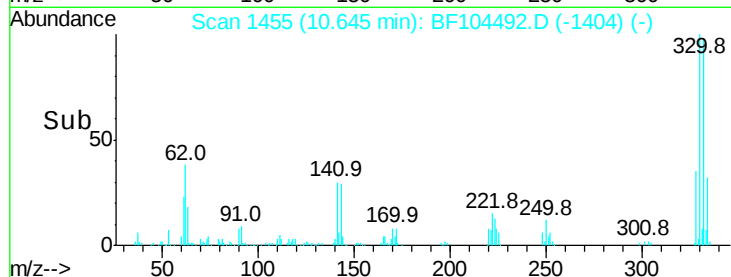
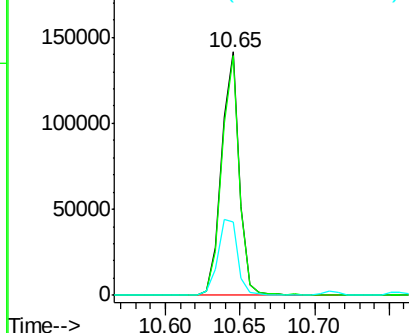
#41
 2,4,6-Tribromophenol
 Concen: 67.507 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: BF104492.D
 Acq: 13 Apr 2018 21:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 119989
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 34.7 29.9 44.9

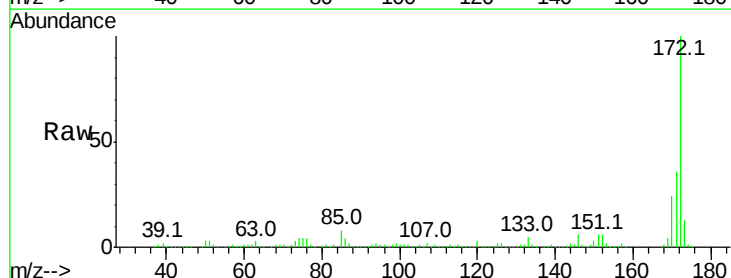


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

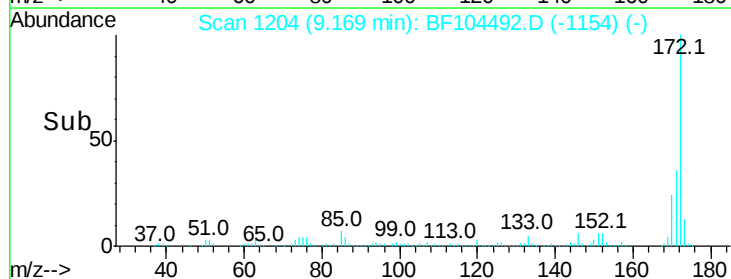
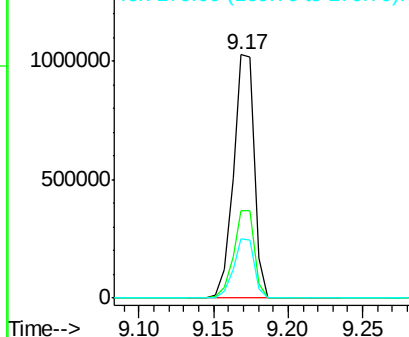


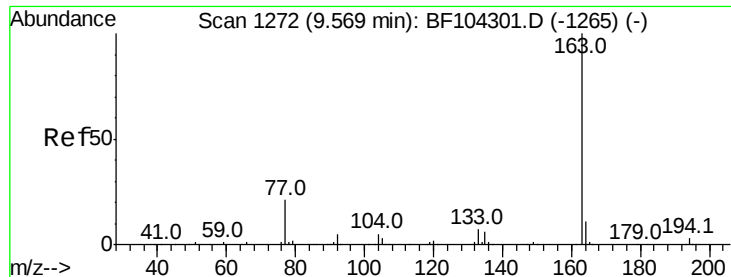
#44
 2-Fluorobiphenyl
 Concen: 93.235 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104492.D
 Acq: 13 Apr 2018 21:21

Tgt Ion:172 Resp: 1011270
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.3 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

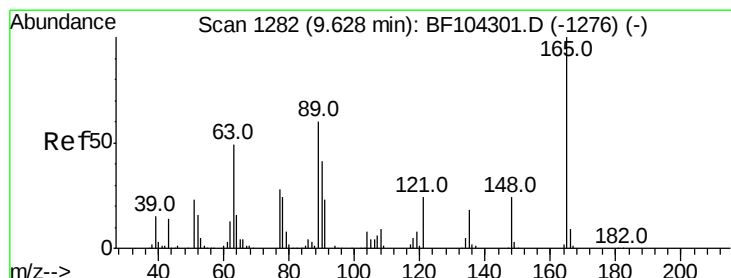
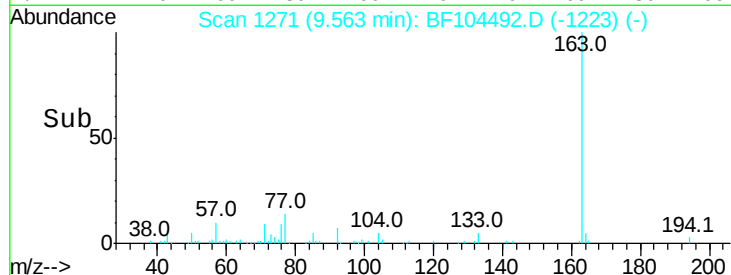
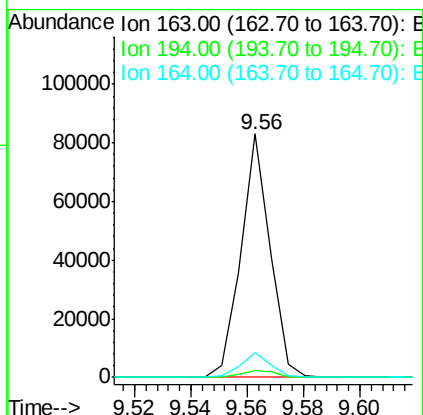
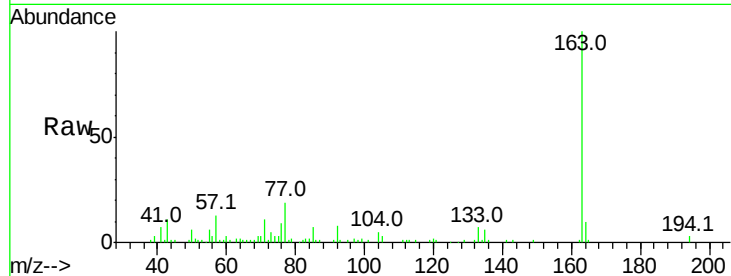




#49
Dimethylphthalate
Concen: 4.379 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF104492.D
Acq: 13 Apr 2018 21:21

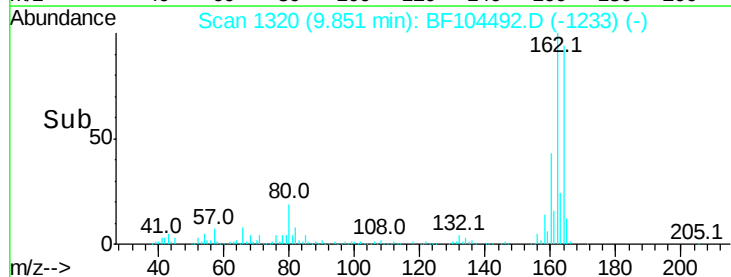
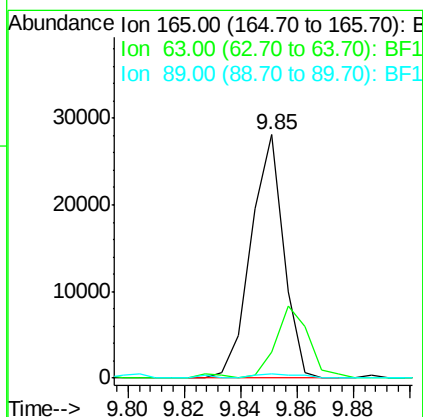
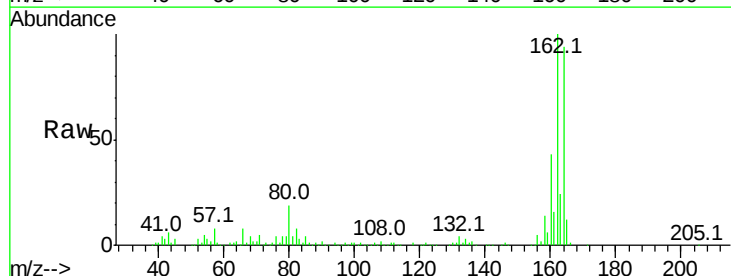
Instrument :
BNA_F
ClientSampled :

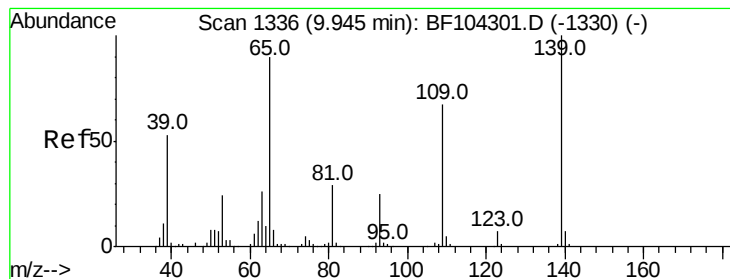
Tot Ion:163 Resp: 59176
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 9.9 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 9.047 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF104492.D
Acq: 13 Apr 2018 21:21

Tgt Ion:165 Resp: 22619
Ion Ratio Lower Upper
165 100
63 10.6 44.7 67.1#
89 1.7 44.0 66.0#





#55

4-Nitrophenol

Concen: 4.794 ng

RT: 9.99 min Scan# 1343

Delta R.T. 0.02 min

Lab File: BF104492.D

Acq: 13 Apr 2018 21:21

Instrument :

BNA_F

ClientSampleId :

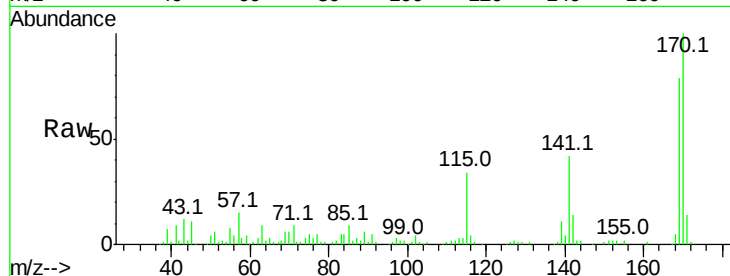
Tot Ion:139 Resp: 11023

Ion Ratio Lower Upper

139 100

109 4.5 48.4 88.4#

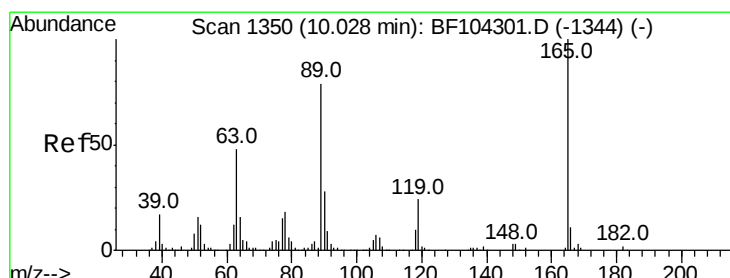
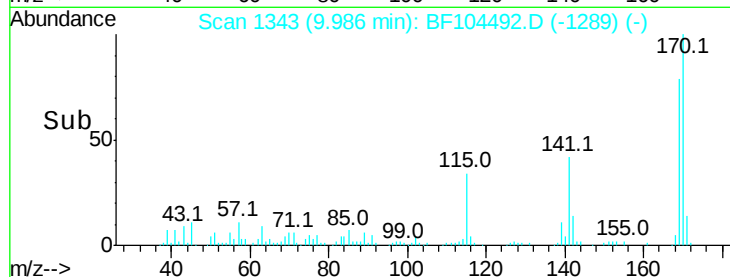
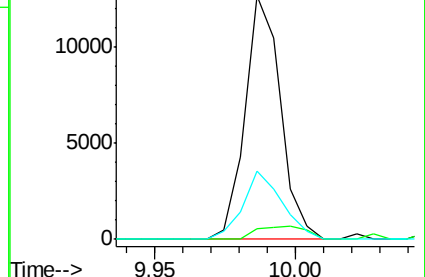
65 27.9 72.6 112.6#



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: 6.897 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF104492.D

Acq: 13 Apr 2018 21:21

Tgt Ion:165 Resp: 22619

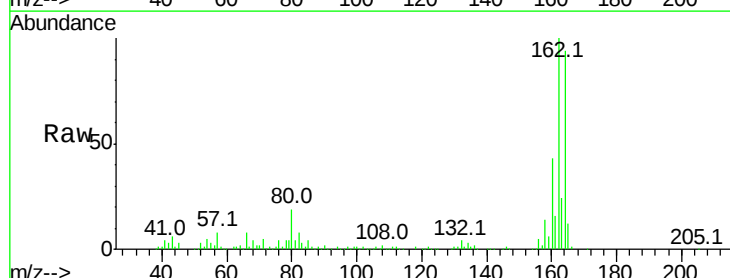
Ion Ratio Lower Upper

165 100

63 10.6 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

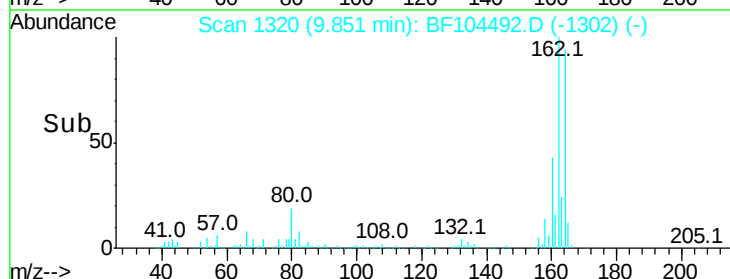
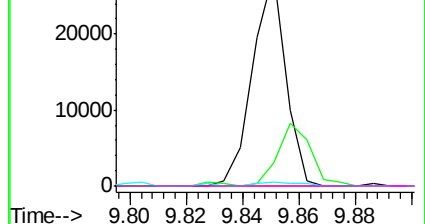


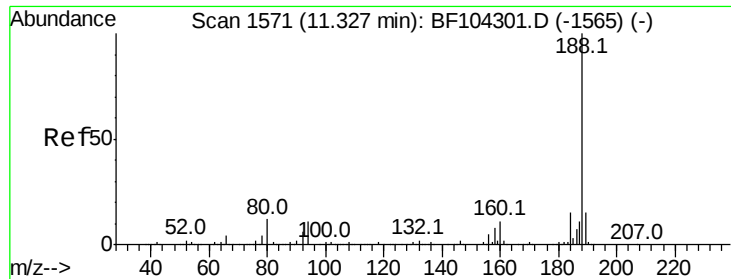
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF104492.D

Acq: 13 Apr 2018 21:21

Instrument :

BNA_F

ClientSampleId :

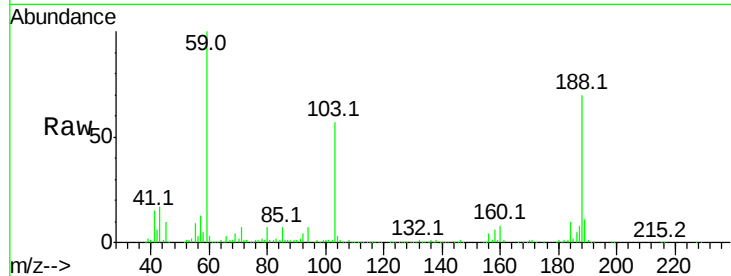
Tot Ion:188 Resp: 240285

Ion Ratio Lower Upper

188 100

94 9.7 8.5 12.7

80 10.7 9.2 13.8

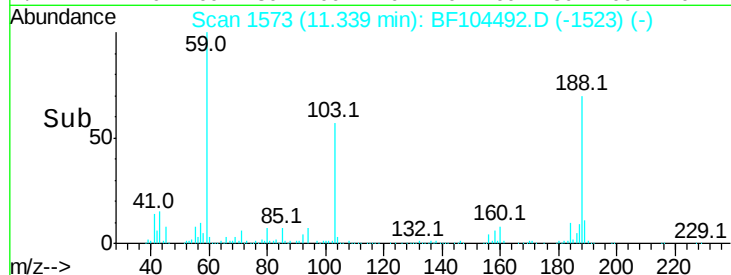


Abundance Ion 188.00 (187.70 to 188.70): E

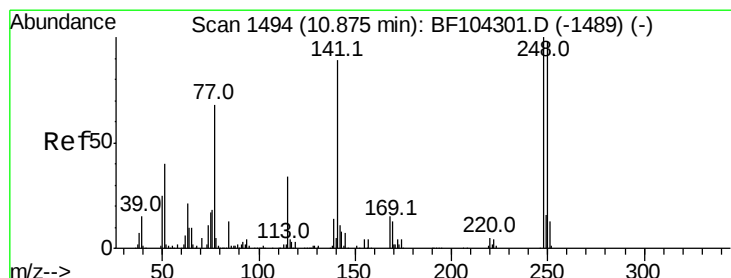
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

11.34



Time--> 11.30 11.35



#66

4-Bromophenyl-phenylether

Concen: 2.996 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.24 min

Lab File: BF104492.D

Acq: 13 Apr 2018 21:21

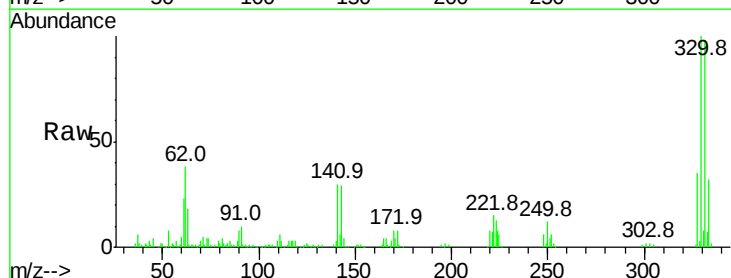
Tgt Ion:248 Resp: 7657

Ion Ratio Lower Upper

248 100

250 191.1 76.9 115.3#

141 477.4 74.4 111.6#

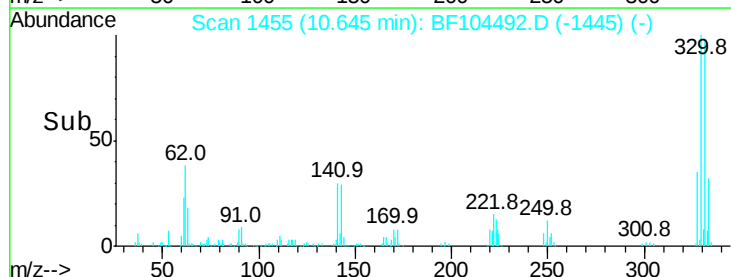


Abundance Ion 248.00 (247.70 to 248.70): E

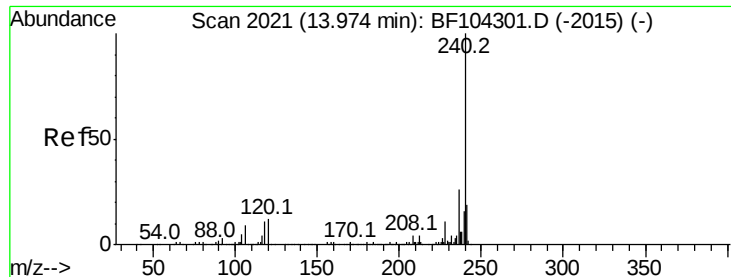
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

10.65



Time--> 10.60 10.65



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BF104492.D

Acq: 13 Apr 2018 21:21

Instrument :

BNA_F

ClientSampleId :

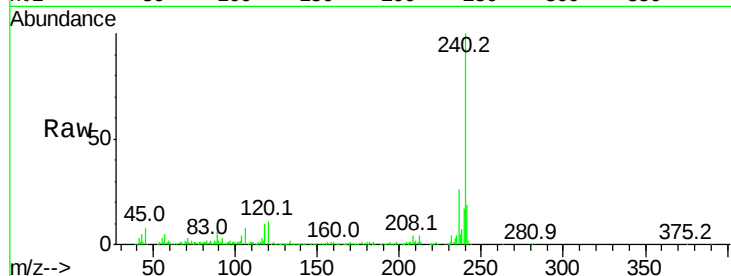
Tot Ion:240 Resp: 206908

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

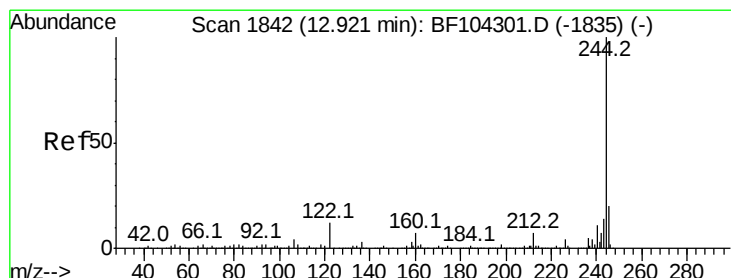
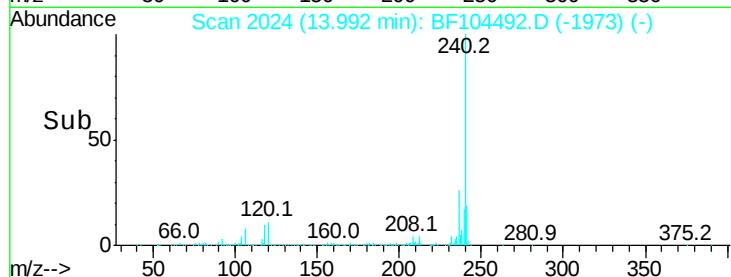
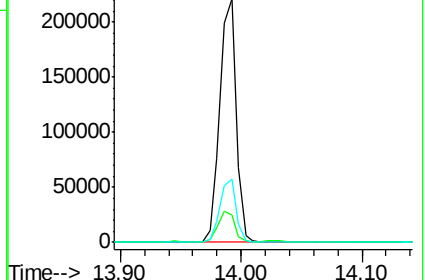
236 26.1 20.7 31.1



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: 57.231 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF104492.D

Acq: 13 Apr 2018 21:21

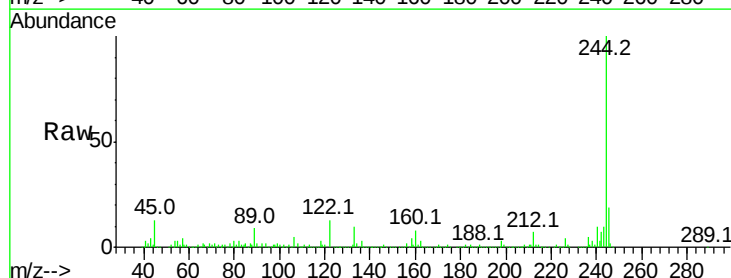
Tgt Ion:244 Resp: 519402

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

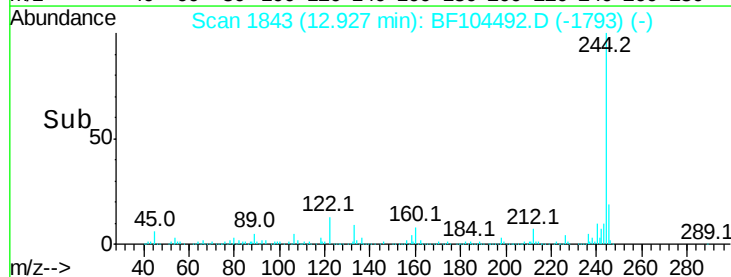
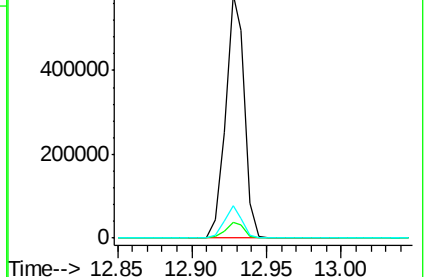
122 13.4 11.0 16.4

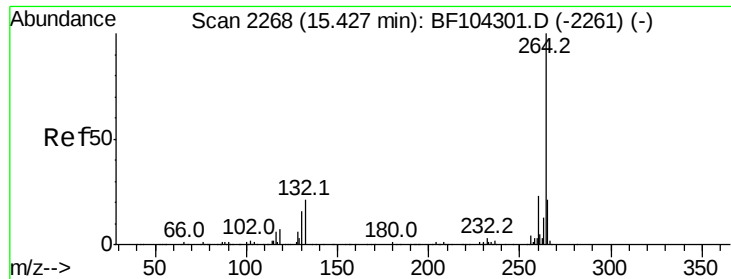


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

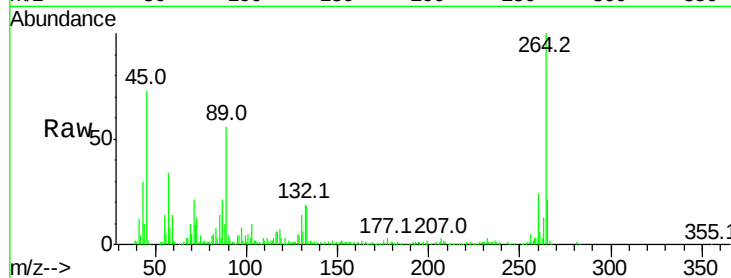




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF104492.D
Acq: 13 Apr 2018 21:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.5	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

