

Data Path : Z:\HPCHEM1\BNA M\DATA\BM083117\
 Data File : BM011406.D
 Acq On : 01 Sep 2017 12:01
 Operator : SJ/JU
 Sample : I4985-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-1

Quant Time: Sep 01 13:34:53 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM083117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 18:39:59 2017
 Response via : Initial Calibration

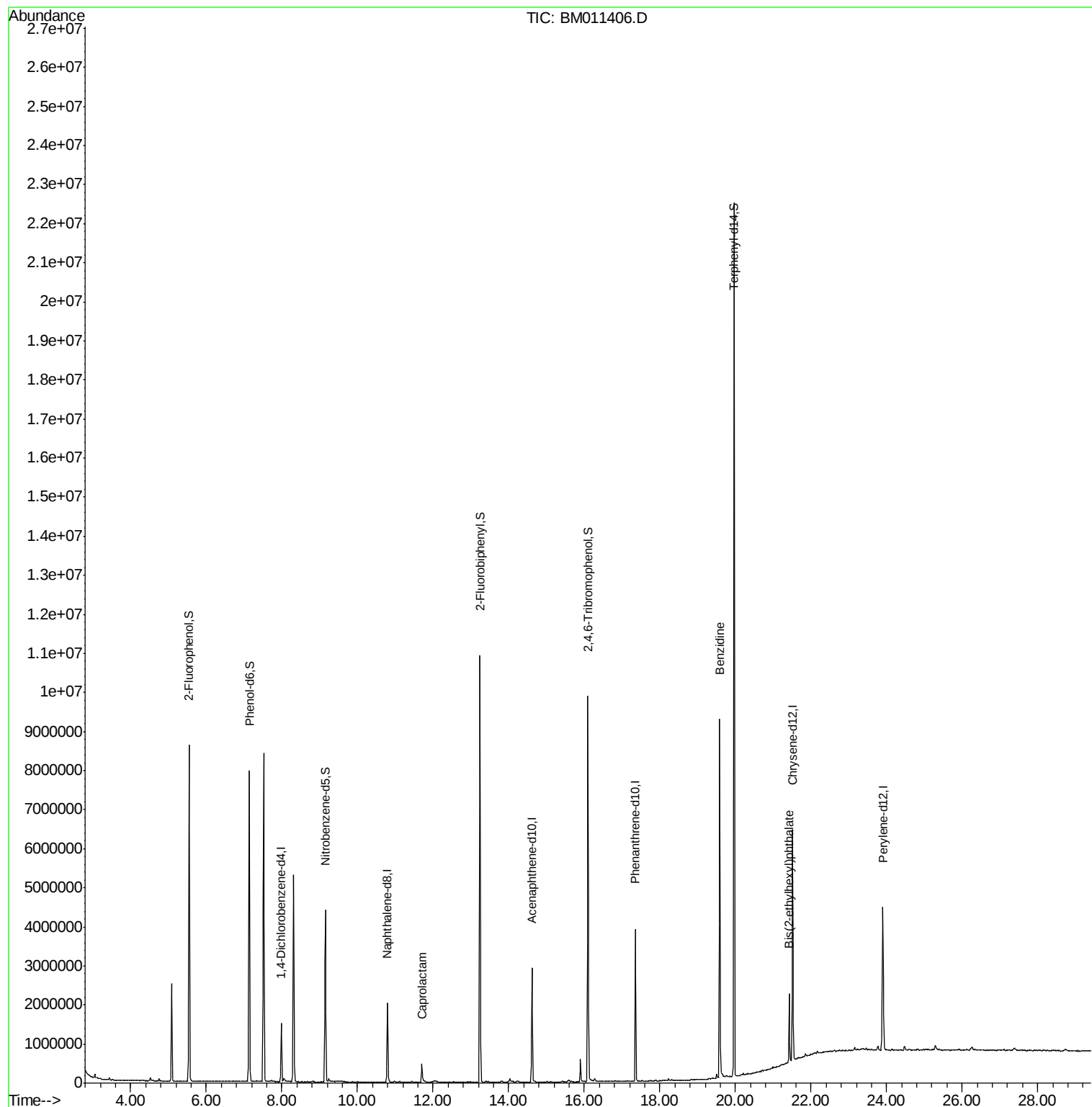
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	392630	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	1677088	20.00	ng	-0.01
38) Acenaphthene-d10	14.62	164	942836	20.00	ng	-0.01
63) Phenanthrene-d10	17.36	188	2170358	20.00	ng	0.00
75) Chrysene-d12	21.52	240	2740871	20.00	ng	-0.02
86) Perylene-d12	23.90	264	2691515	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	3368226	144.40	ng	0.00
7) Phenol-d6	7.14	99	4385706	135.60	ng	0.00
23) Nitrobenzene-d5	9.15	82	2300120	90.38	ng	0.00
41) 2,4,6-Tribromophenol	16.10	330	1538309	141.02	ng	-0.01
44) 2-Fluorobiphenyl	13.25	172	5660193	86.54	ng	0.00
78) Terphenyl-d14	19.96	244	8949518	81.02	ng	-0.01
Target Compounds						
35) Caprolactam	11.70	113	84800	9.465	ng	# 71
76) Benzidine	19.59	184	4821227	89.125	ng	# 99
83) Bis(2-ethylhexyl)phthalate	21.42	149	529636	4.869	ng	# 98

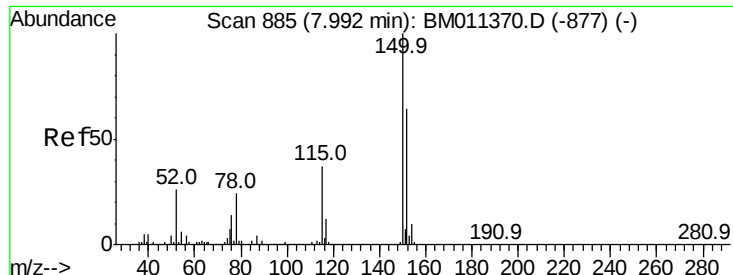
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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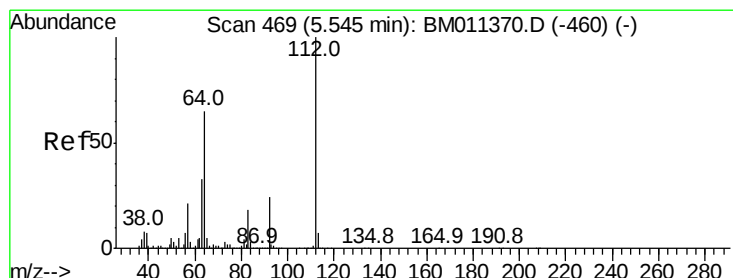
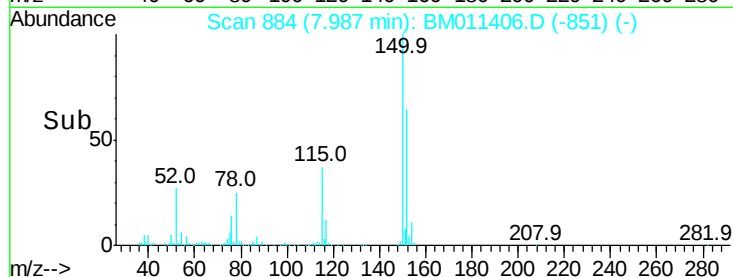
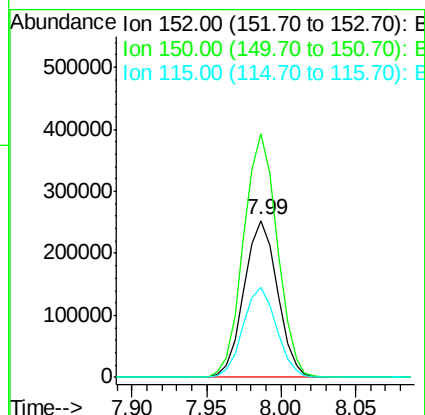
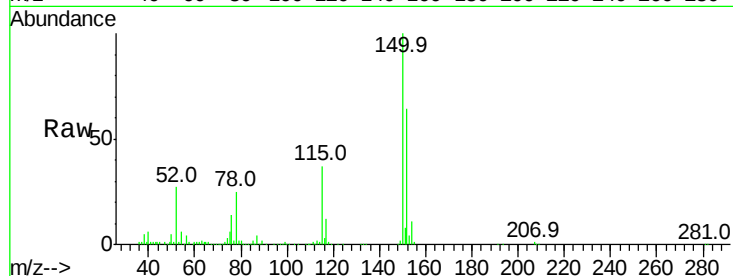


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 884
Delta R.T. -0.01 min
Lab File: BM011406.D
Acq: 01 Sep 2017 12:01

Instrument :
BNA_M
ClientSampleId :
WC-1

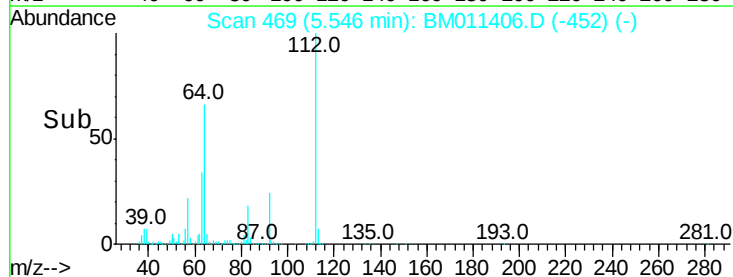
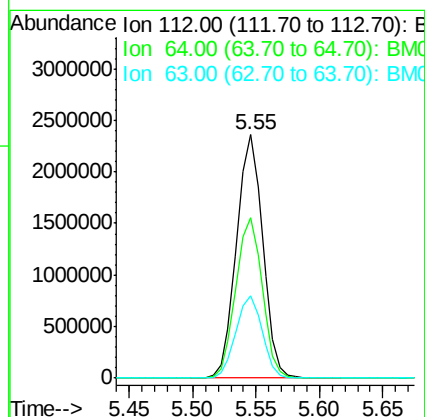
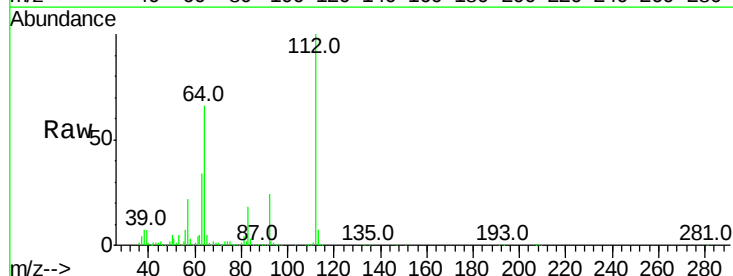
Tot Ion:152 Resp: 392630
Ion Ratio Lower Upper
152 100
150 155.4 119.5 179.3
115 57.4 43.0 64.4

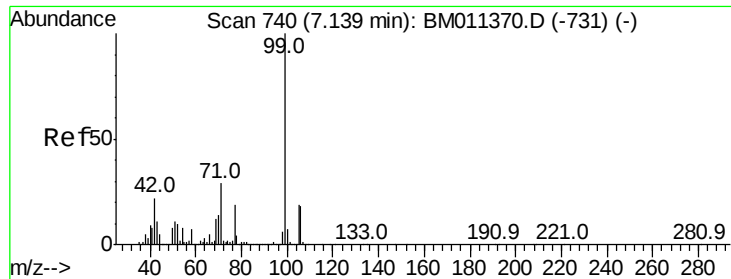


#5

2-Fluorophenol
Concen: 144.402 ng
RT: 5.55 min Scan# 469
Delta R.T. 0.00 min
Lab File: BM011406.D
Acq: 01 Sep 2017 12:01

Tgt Ion:112 Resp: 3368226
Ion Ratio Lower Upper
112 100
64 66.0 38.6 57.8#
63 33.9 19.3 28.9#





#7

Phenol-d6

Concen: 135.598 ng

RT: 7.14 min Scan# 740

Delta R.T. 0.00 min

Lab File: BM011406.D

Acq: 01 Sep 2017 12:01

Instrument :

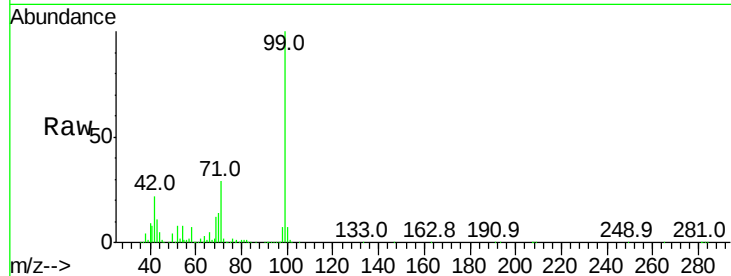
BNA_M

ClientSampleId :

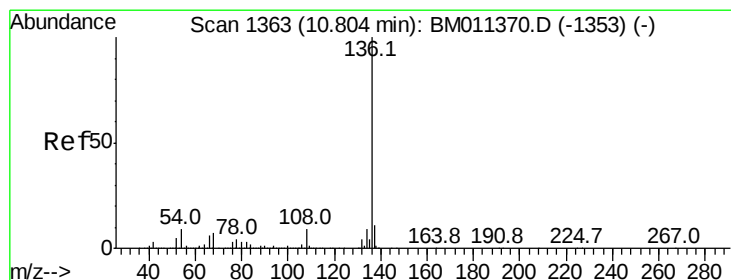
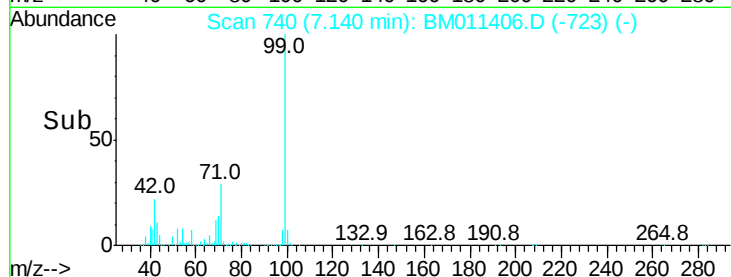
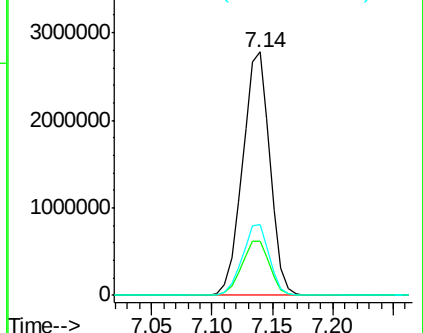
WC-1

Tot Ion: 99 Resp: 4385706

Ion	Ratio	Lower	Upper
99	100		
42	22.4	11.0	16.4#
71	28.8	23.4	35.2



Abundance Ion 99.00 (98.70 to 99.70): BM011370.D (-731) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.79 min Scan# 1361

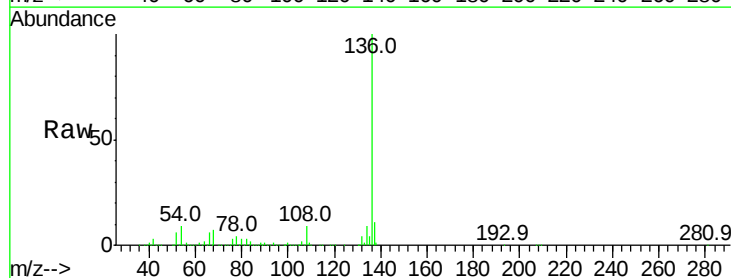
Delta R.T. -0.01 min

Lab File: BM011406.D

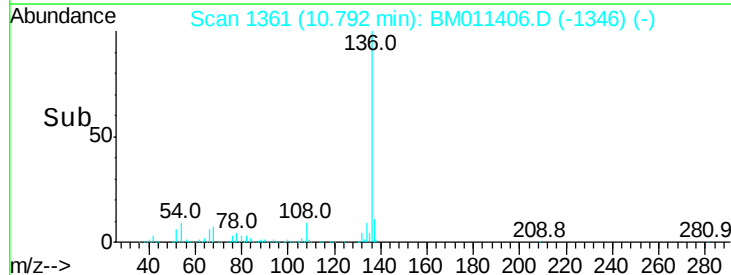
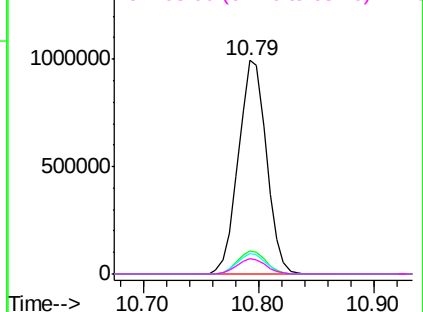
Acq: 01 Sep 2017 12:01

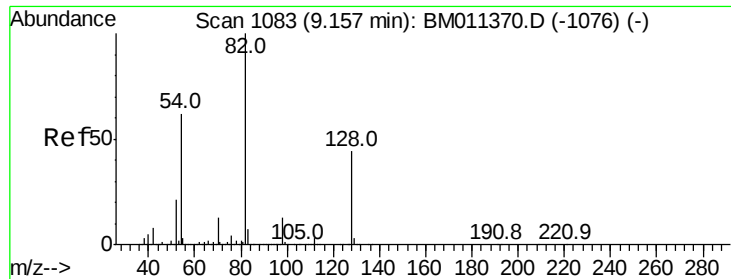
Tgt Ion: 136 Resp: 1677088

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	9.3	4.6	6.8#
68	7.1	3.7	5.5#



Abundance Ion 136.00 (135.70 to 136.70): BM011370.D (-1353) (-)

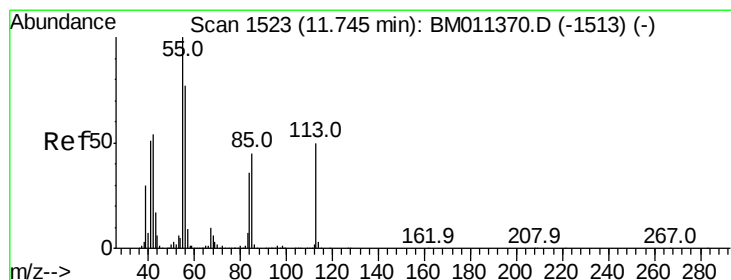
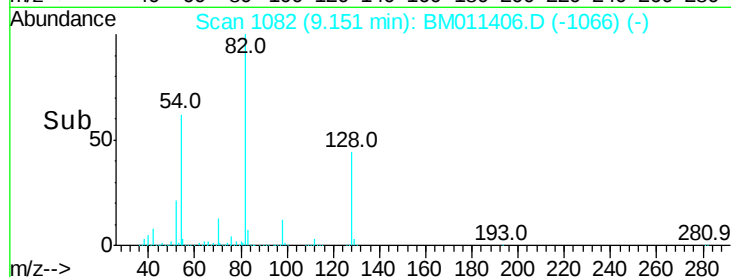
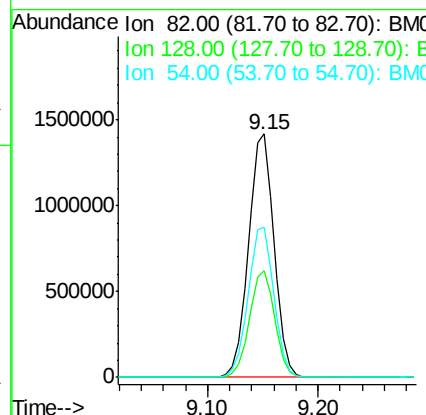
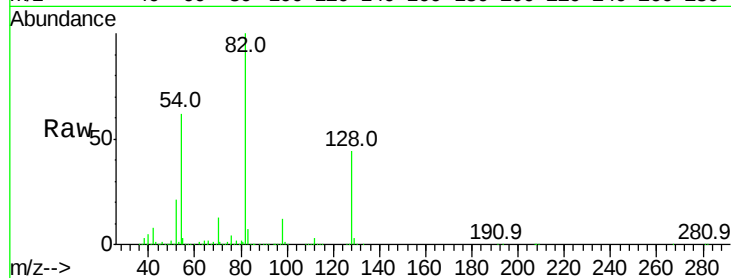




#23
Nitrobenzene-d5
Concen: 90.379 ng
RT: 9.15 min Scan# 1082
Delta R.T. -0.01 min
Lab File: BM011406.D
Acq: 01 Sep 2017 12:01

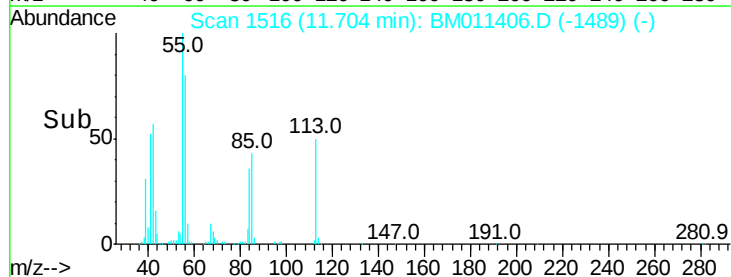
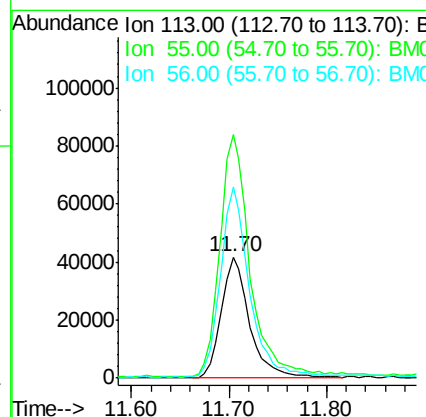
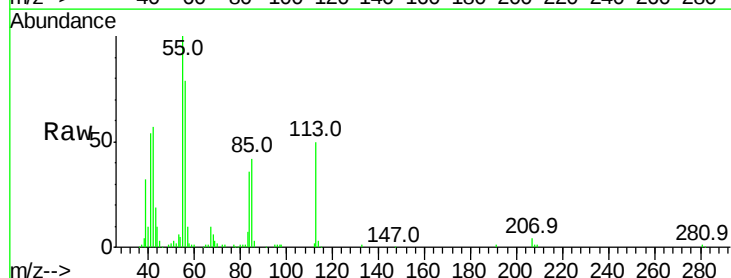
Instrument :
BNA_M
ClientSampleId :
WC-1

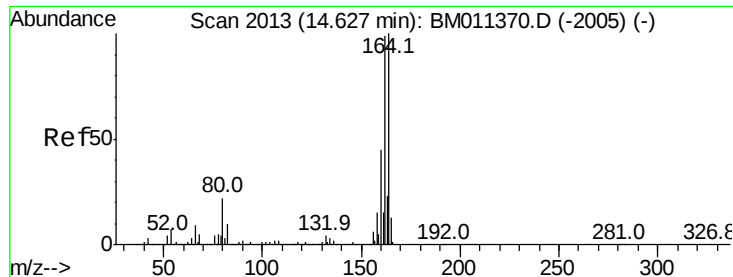
Tot Ion: 82 Resp: 2300120
Ion Ratio Lower Upper
82 100
128 43.9 32.8 49.2
54 61.7 40.6 60.8#



#35
Caprolactam
Concen: 9.465 ng
RT: 11.70 min Scan# 1516
Delta R.T. -0.04 min
Lab File: BM011406.D
Acq: 01 Sep 2017 12:01

Tgt Ion: 113 Resp: 84800
Ion Ratio Lower Upper
113 100
55 201.0 145.9 185.9#
56 158.2 101.0 141.0#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BM011406.D

Acq: 01 Sep 2017 12:01

Instrument :

BNA_M

ClientSampled :

WC-1

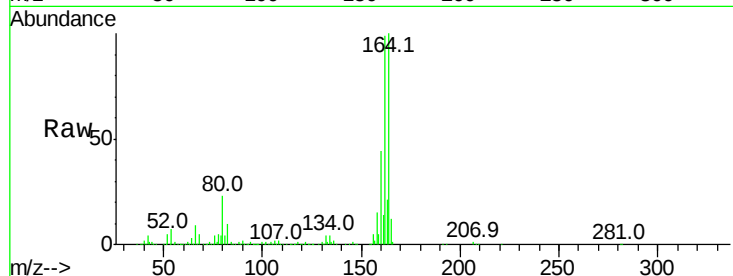
Tot Ion:164 Resp: 942836

Ion Ratio Lower Upper

164 100

162 98.7 82.4 123.6

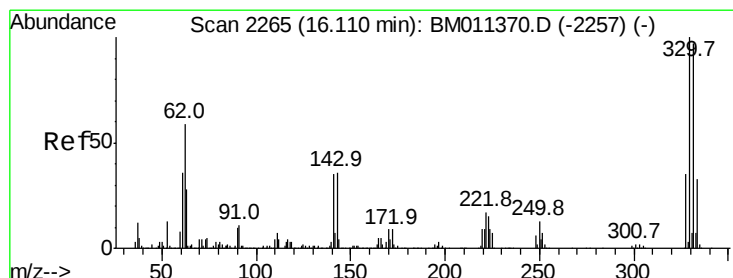
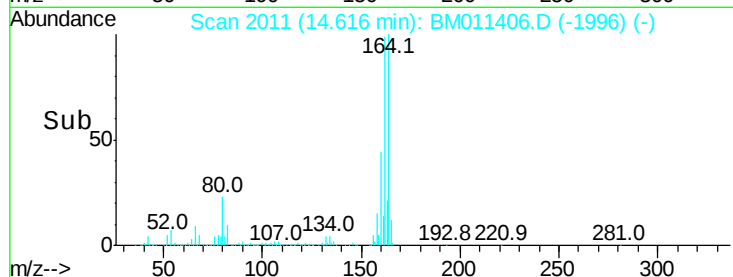
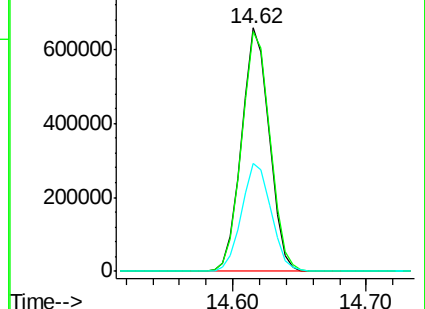
160 44.1 35.8 53.6



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: 141.023 ng

RT: 16.10 min Scan# 2263

Delta R.T. -0.01 min

Lab File: BM011406.D

Acq: 01 Sep 2017 12:01

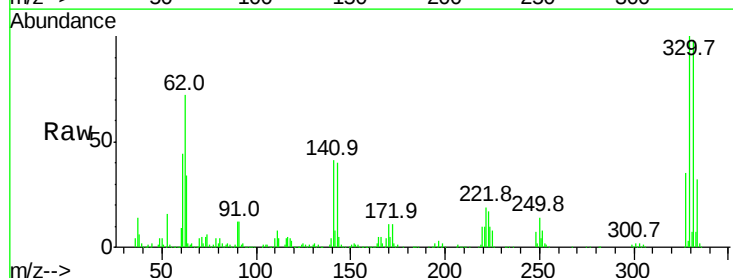
Tgt Ion:330 Resp: 1538309

Ion Ratio Lower Upper

330 100

332 96.6 0.0 0.0#

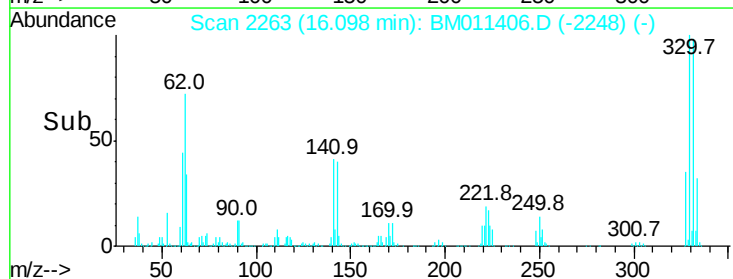
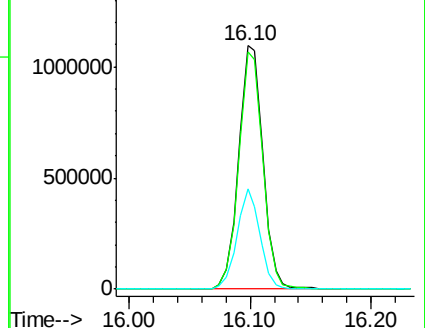
141 39.1 0.0 0.0#

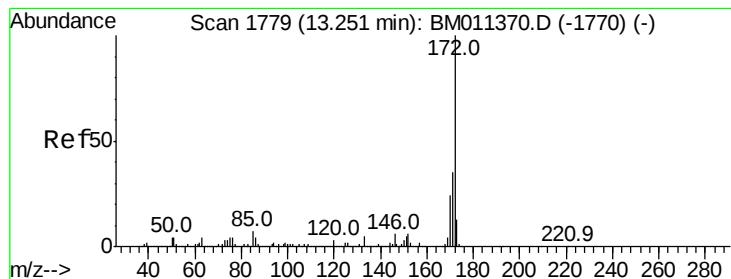


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 86.537 ng

RT: 13.25 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BM011406.D

Acq: 01 Sep 2017 12:01

Instrument :

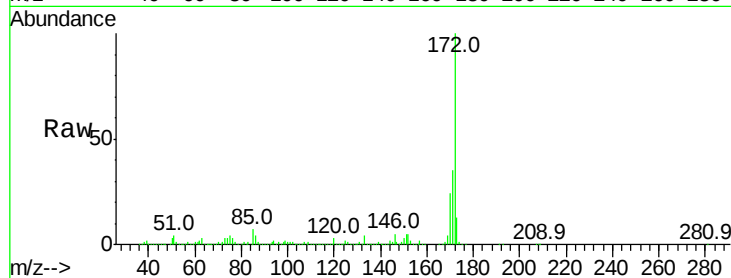
BNA_M

ClientSampleId :

WC-1

Tot Ion:172 Resp: 5660193

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.5	42.7
170	23.7	18.8	28.2

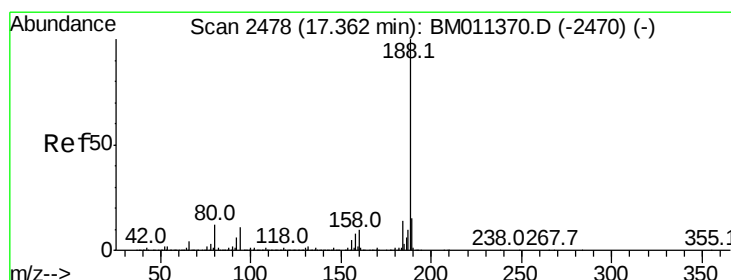
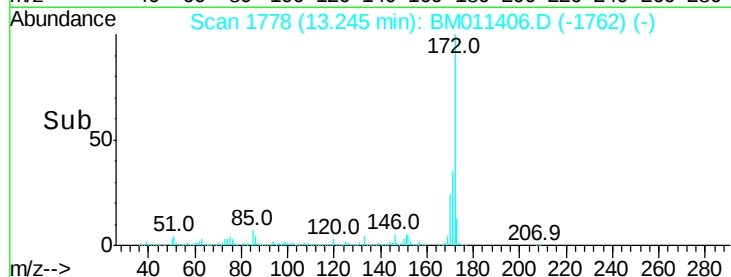
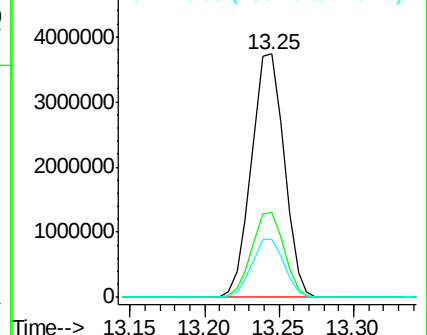


Abundance

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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2477

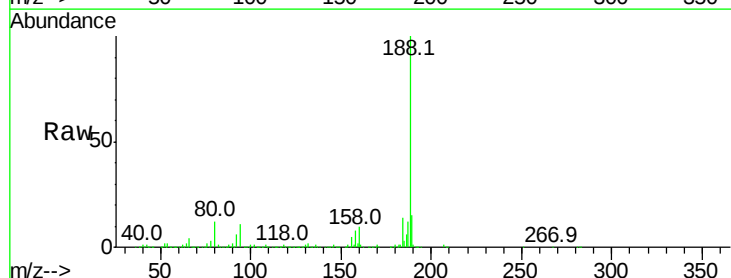
Delta R.T. -0.01 min

Lab File: BM011406.D

Acq: 01 Sep 2017 12:01

Tgt Ion:188 Resp: 2170358

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.7	13.1
80	11.8	9.3	13.9

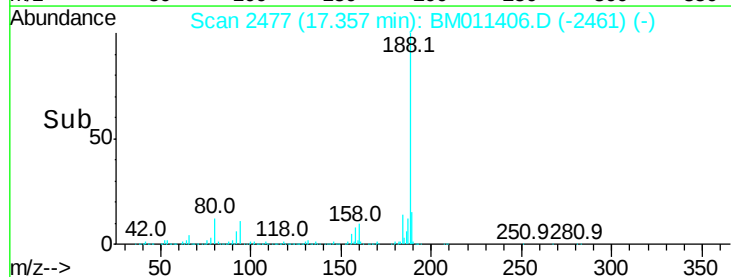
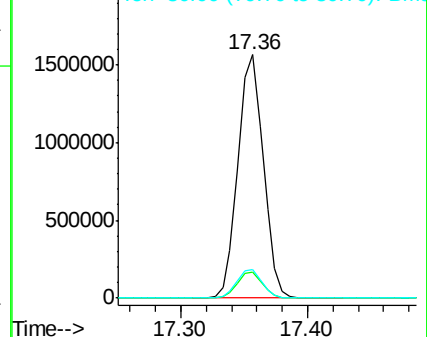


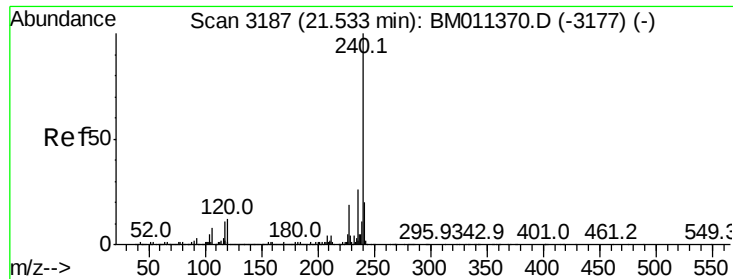
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.52 min Scan# 3184

Delta R.T. -0.02 min

Lab File: BM011406.D

Acq: 01 Sep 2017 12:01

Instrument :

BNA_M

ClientSampled :

WC-1

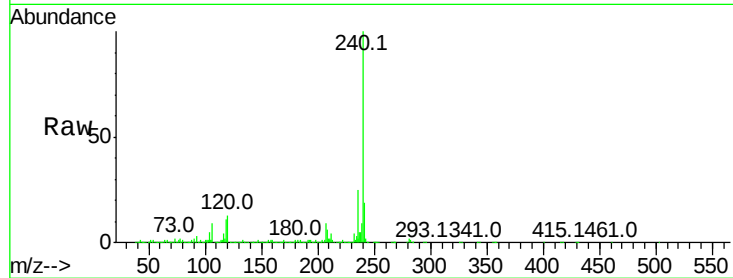
Tot Ion:240 Resp: 2740871

Ion Ratio Lower Upper

240 100

120 12.7 8.2 12.2#

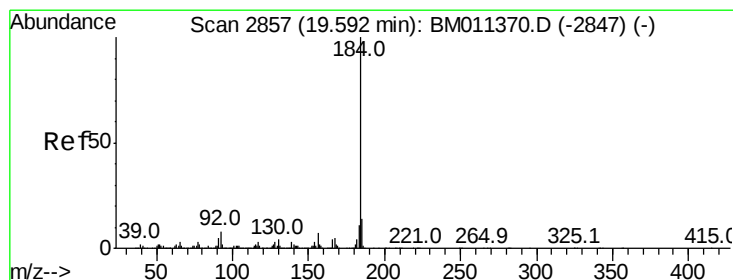
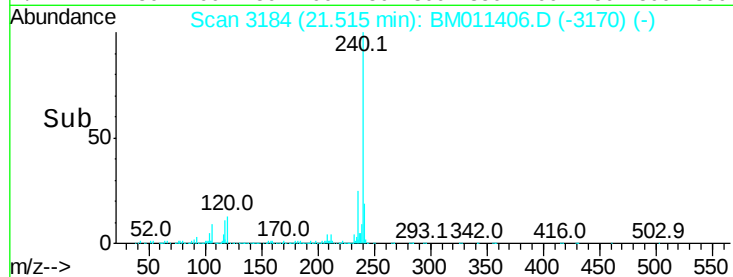
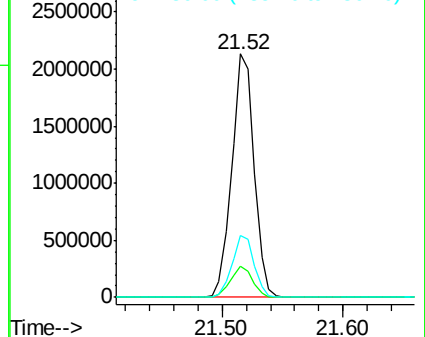
236 25.4 20.0 30.0



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



#76

Benzidine

Concen: 89.125 ng

RT: 19.59 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BM011406.D

Acq: 01 Sep 2017 12:01

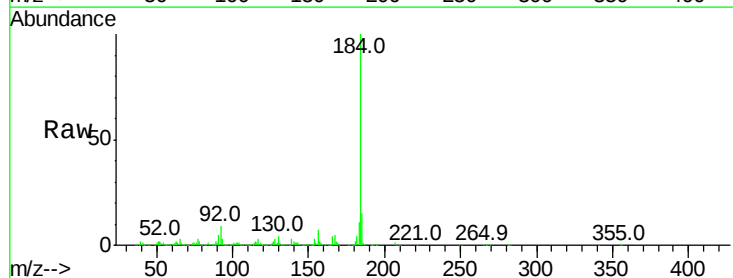
Tgt Ion:184 Resp: 4821227

Ion Ratio Lower Upper

184 100

185 14.8 11.3 16.9

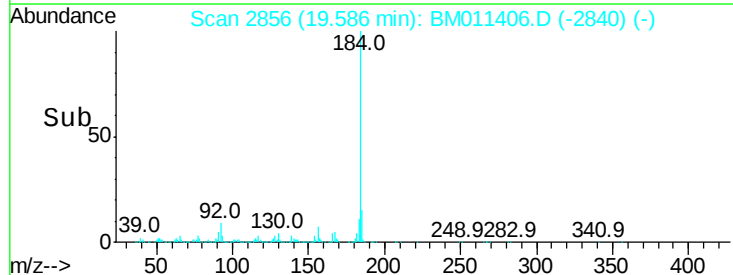
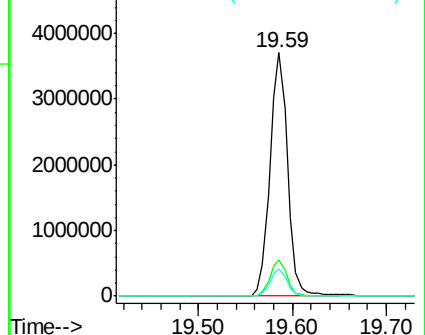
183 11.3 8.9 13.3

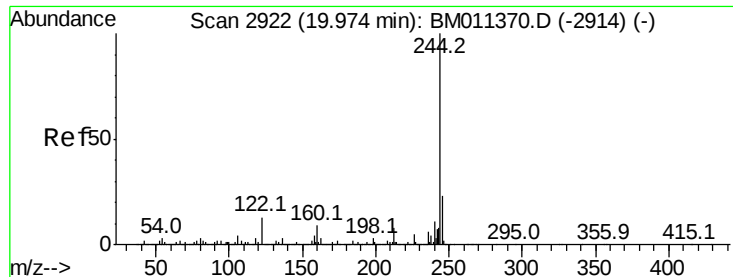


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 81.017 ng

RT: 19.96 min Scan# 2920

Delta R.T. -0.01 min

Lab File: BM011406.D

Acq: 01 Sep 2017 12:01

Instrument :

BNA_M

ClientSampleId :

WC-1

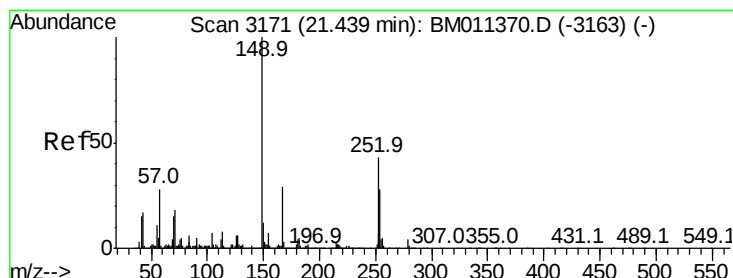
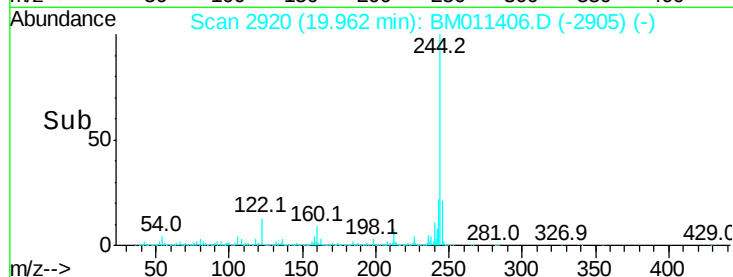
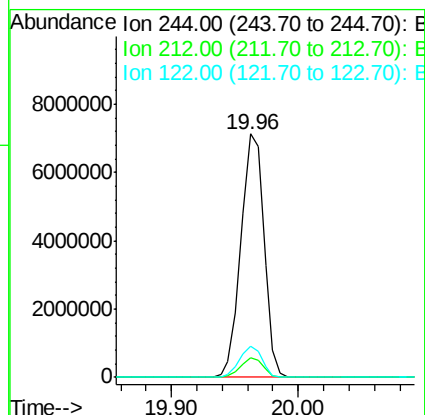
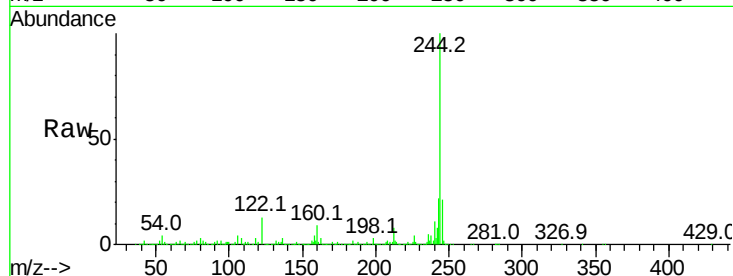
Tot Ion:244 Resp: 8949518

Ion	Ratio	Lower	Upper
244	100		
212	7.8	4.9	7.3#
122	13.0	6.2	9.4#

244 100

212 7.8 4.9 7.3#

122 13.0 6.2 9.4#



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.869 ng

RT: 21.42 min Scan# 3168

Delta R.T. -0.02 min

Lab File: BM011406.D

Acq: 01 Sep 2017 12:01

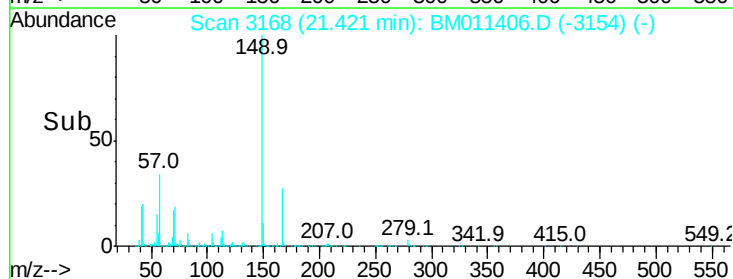
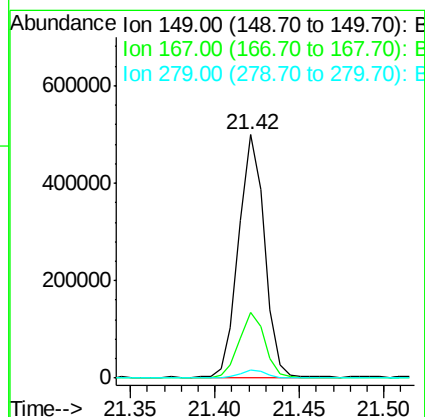
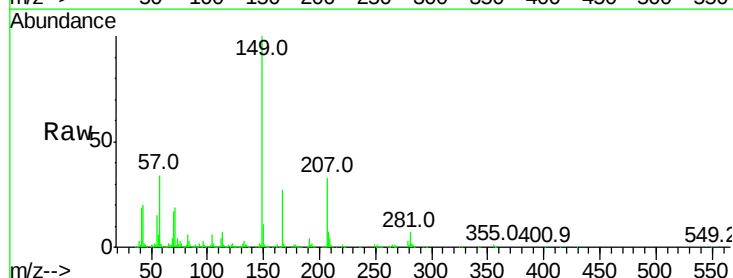
Tgt Ion:149 Resp: 529636

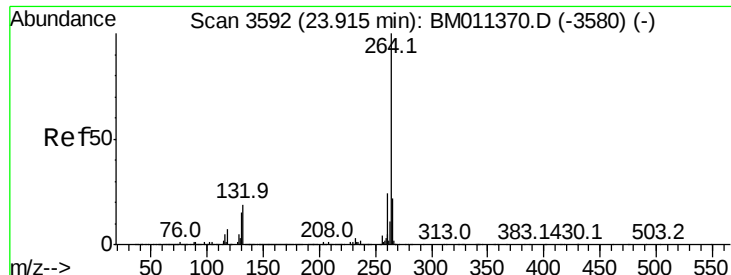
Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.4	33.6
279	3.1	3.4	5.0#

149 100

167 27.2 22.4 33.6

279 3.1 3.4 5.0#



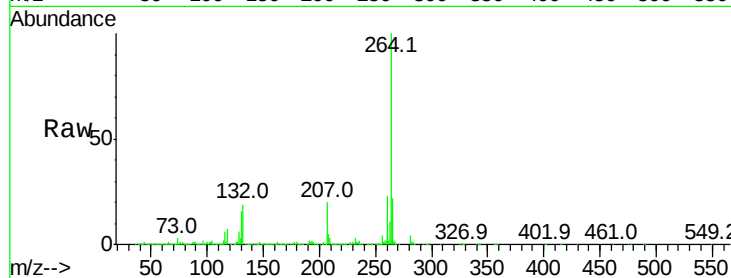


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.90 min Scan# 3589
Delta R.T. -0.02 min
Lab File: BM011406.D
Acq: 01 Sep 2017 12:01

Instrument :
BNA_M
ClientSampleId :
WC-1

Tot Ion: 264 Resp: 2691515

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	22.0	17.3	25.9



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

