

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081718\
 Data File : BM016472.D
 Acq On : 18 Aug 2018 14:05
 Operator : SJ/JU
 Sample : J4521-24
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 72-11979

Quant Time: Aug 20 01:57:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM081718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 17 16:27:00 2018
 Response via : Initial Calibration

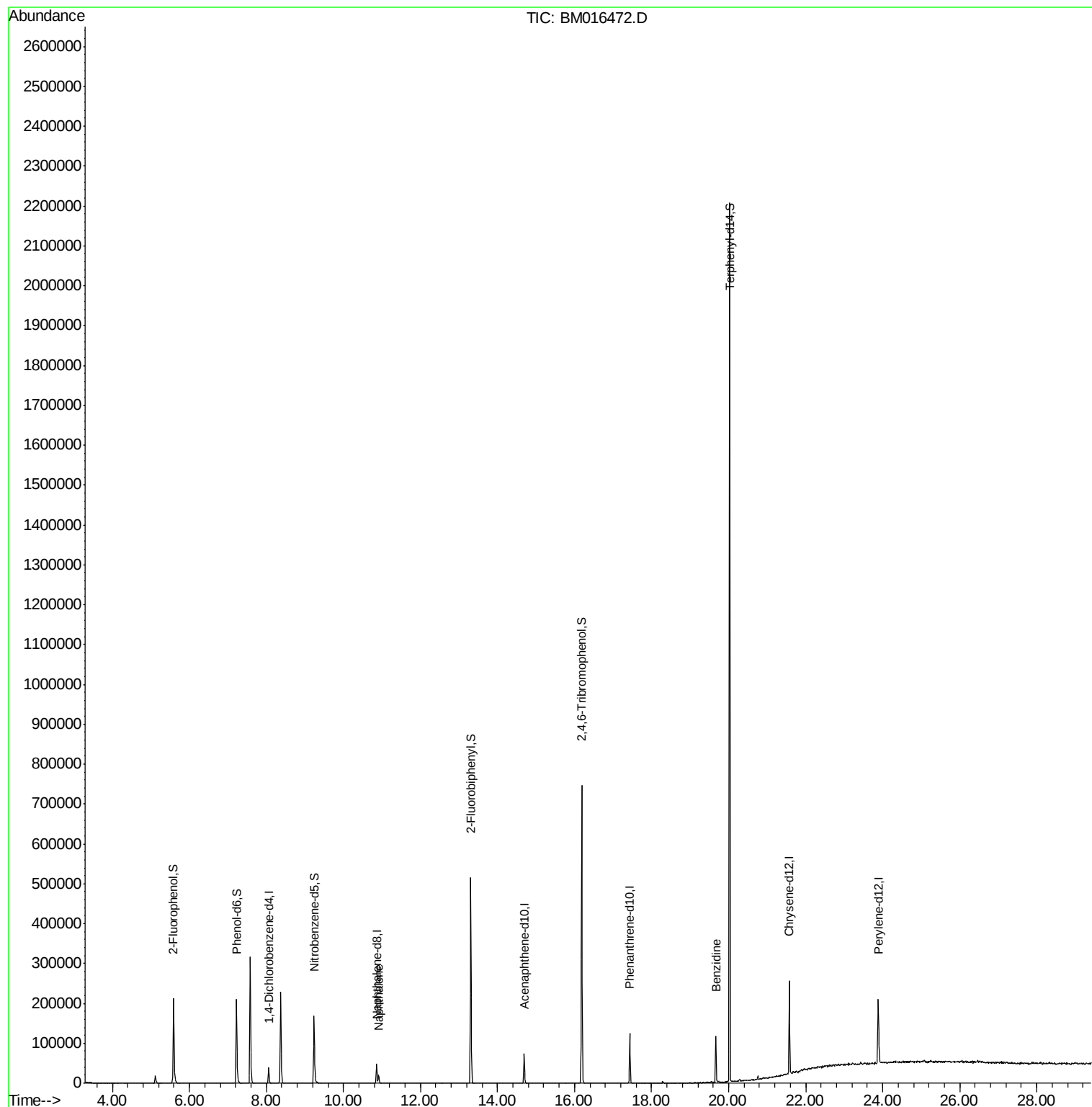
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	7740	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	29333	20.00	ng	0.00
38) Acenaphthene-d10	14.69	164	19460	20.00	ng	-0.01
63) Phenanthrene-d10	17.43	188	56102	20.00	ng	-0.01
75) Chrysene-d12	21.57	240	90118	20.00	ng	-0.01
86) Perylene-d12	23.89	264	105682	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	64296	139.60	ng	0.00
7) Phenol-d6	7.22	99	69655	112.52	ng	-0.01
23) Nitrobenzene-d5	9.24	82	78157	110.97	ng	0.00
41) 2,4,6-Tribromophenol	16.19	330	62124	211.37	ng	-0.01
44) 2-Fluorobiphenyl	13.31	172	173657	92.79	ng	-0.01
78) Terphenyl-d14	20.03	244	662720	111.15	ng	0.00
Target Compounds						
31) Naphthalene	10.92	128	14368	9.658	ng	97
76) Benzidine	19.67	184	50964	25.695	ng	98

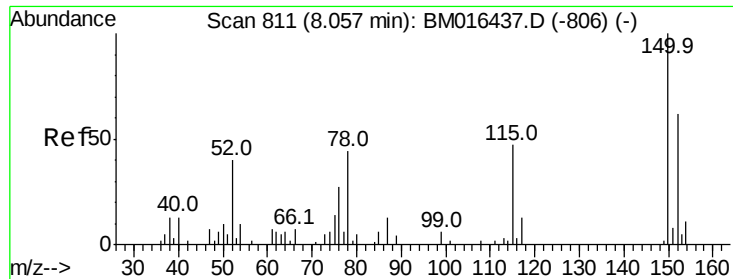
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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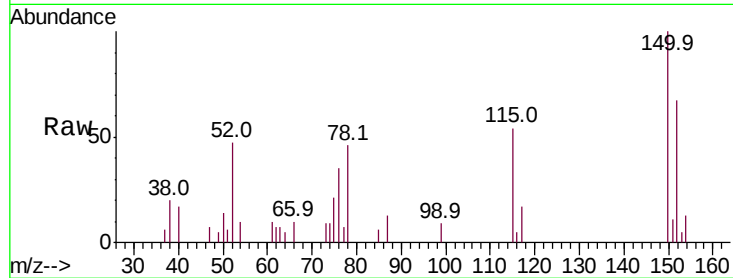




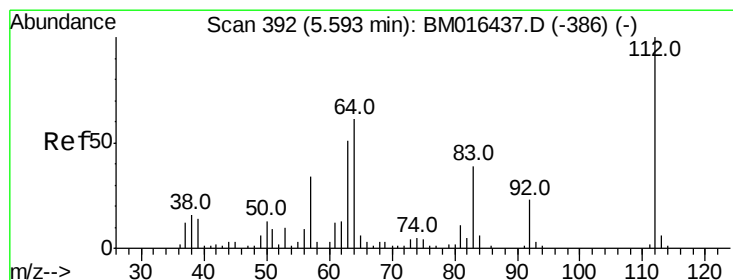
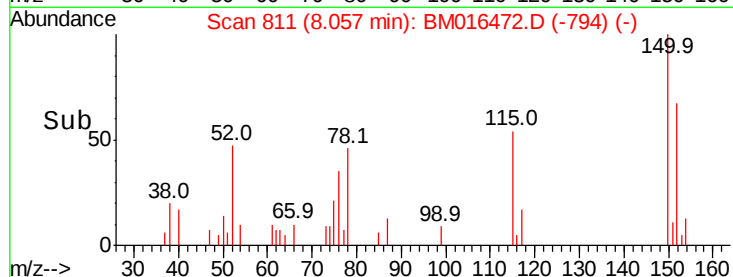
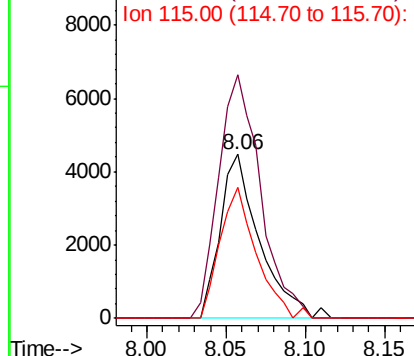
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.06 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: BM016472.D
 Acq: 18 Aug 2018 14:05

Instrument :
 BNA_M
 ClientSampleId :
 72-11979

Tot Ion:152 Resp: 7740
 Ion Ratio Lower Upper
 152 100
 150 148.4 119.5 179.3
 115 79.8 43.0 64.4#

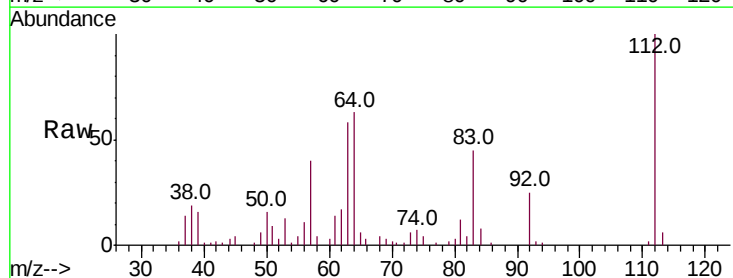


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

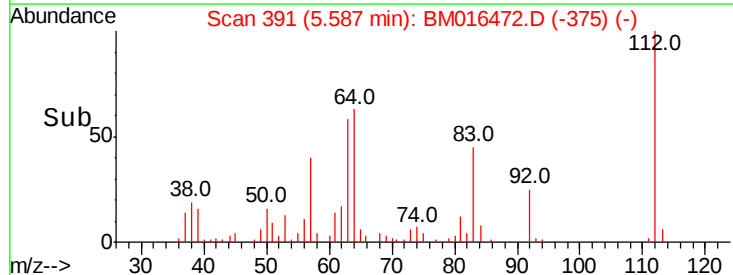
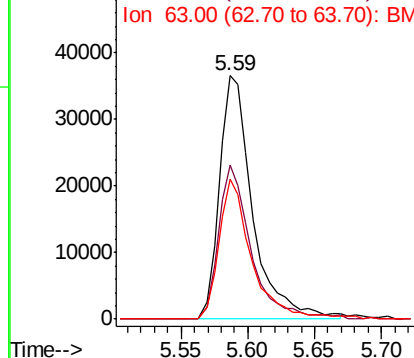


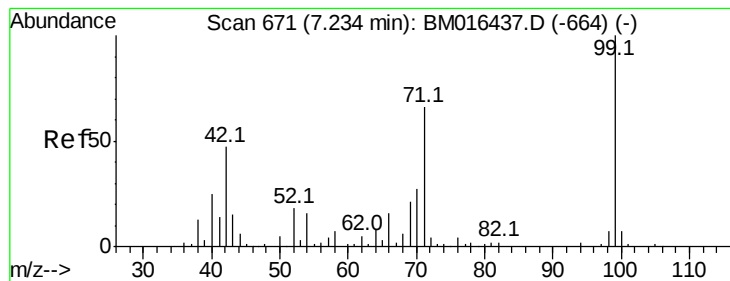
#5
 2-Fluorophenol
 Concen: N.D. ng
 RT: 5.59 min Scan# 391
 Delta R.T. -0.01 min
 Lab File: BM016472.D
 Acq: 18 Aug 2018 14:05

Tgt Ion:112 Resp: 64296
 Ion Ratio Lower Upper
 112 100
 64 63.1 38.6 57.8#
 63 57.6 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BM0
 Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: N.D. ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BM016472.D

Acq: 18 Aug 2018 14:05

Instrument :

BNA_M

ClientSampled :

72-11979

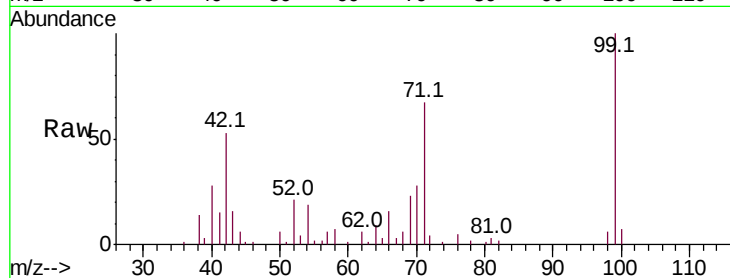
Tot Ion: 99 Resp: 69655

Ion Ratio Lower Upper

99 100

42 53.2 11.0 16.4#

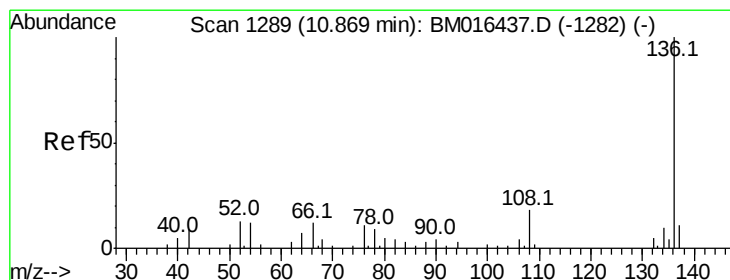
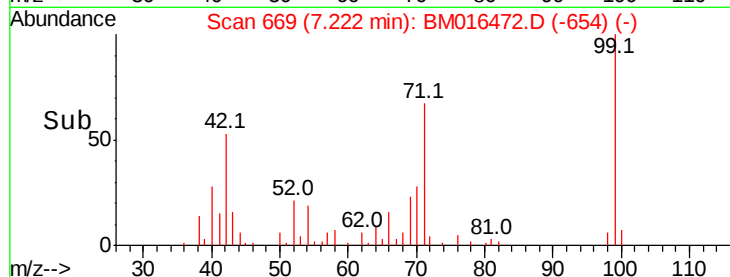
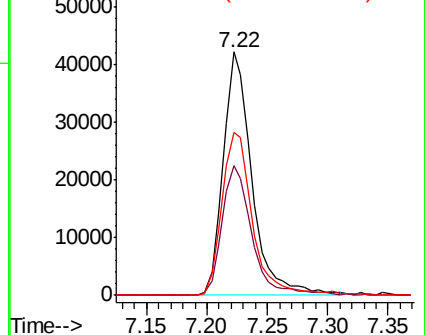
71 67.0 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016472.D (-654) (-)

Ion 42.00 (41.70 to 42.70): BM016472.D (-654) (-)

Ion 71.00 (70.70 to 71.70): BM016472.D (-654) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BM016472.D

Acq: 18 Aug 2018 14:05

Tgt Ion: 136 Resp: 29333

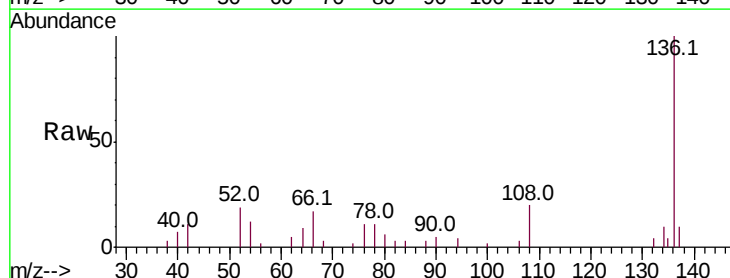
Ion Ratio Lower Upper

136 100

137 9.9 8.7 13.1

54 11.6 4.6 6.8#

68 3.0 3.7 5.5#

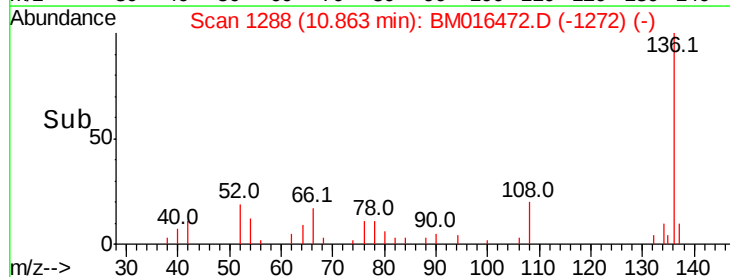
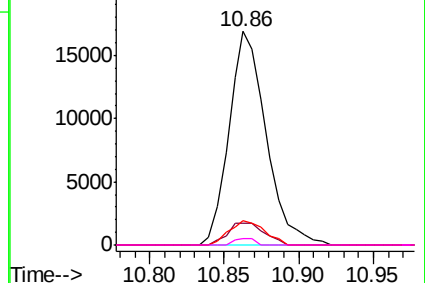


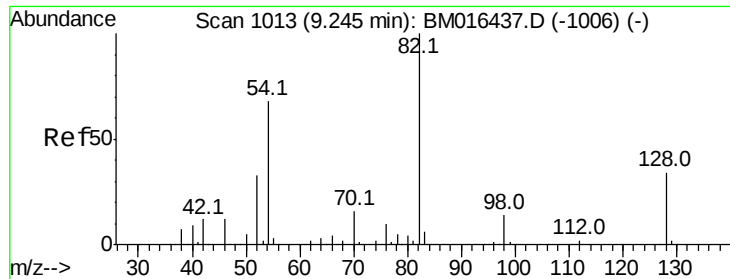
Abundance Ion 136.00 (135.70 to 136.70): BM016472.D (-1272) (-)

Ion 137.00 (136.70 to 137.70): BM016472.D (-1272) (-)

Ion 54.00 (53.70 to 54.70): BM016472.D (-1272) (-)

Ion 68.00 (67.70 to 68.70): BM016472.D (-1272) (-)





#23

Nitrobenzene-d5

Concen: N.D. ng

RT: 9.24 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BM016472.D

Acq: 18 Aug 2018 14:05

Instrument :

BNA_M

ClientSampleId :

72-11979

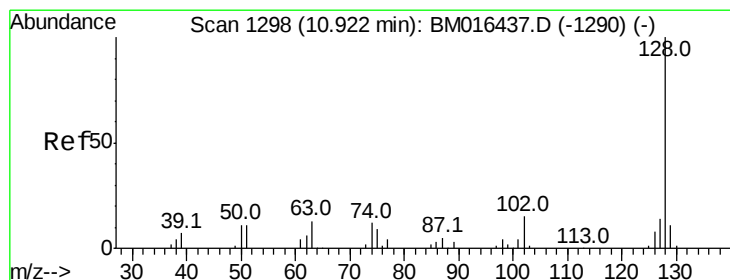
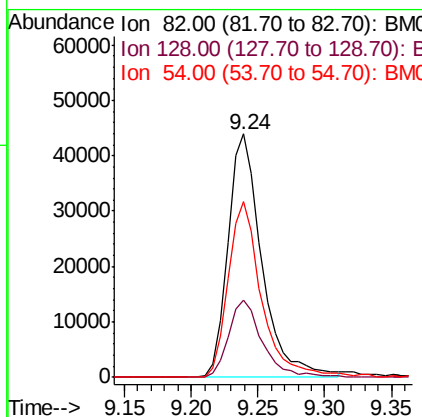
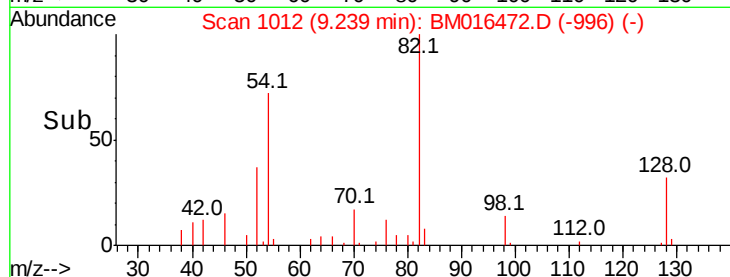
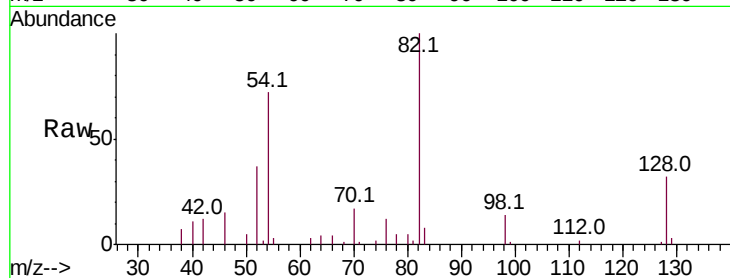
Tot Ion: 82 Resp: 78157

Ion Ratio Lower Upper

82 100

128 31.8 32.8 49.2#

54 72.3 40.6 60.8#



#31

Naphthalene

Concen: 9.658 ng

RT: 10.92 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BM016472.D

Acq: 18 Aug 2018 14:05

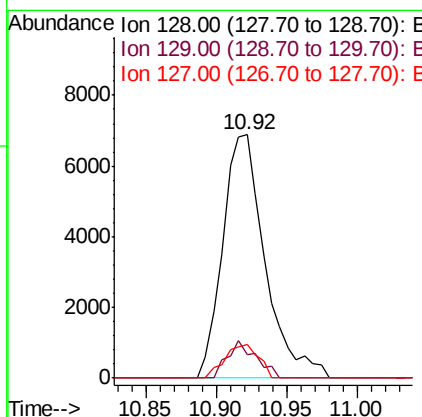
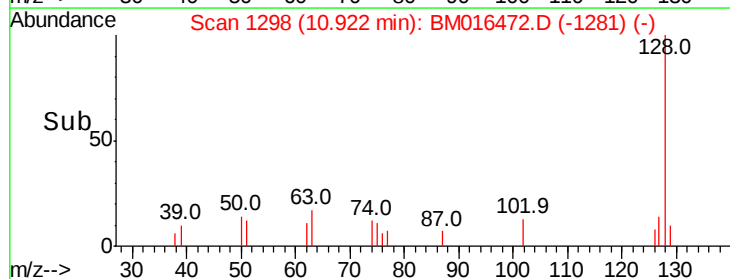
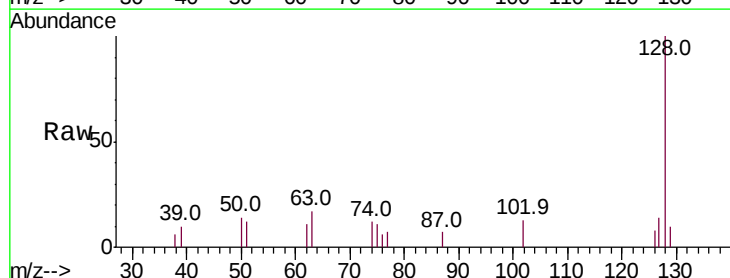
Tgt Ion:128 Resp: 14368

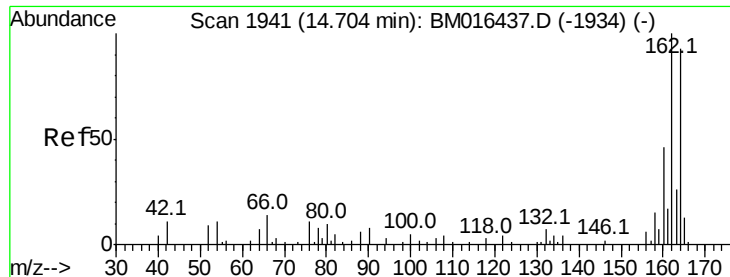
Ion Ratio Lower Upper

128 100

129 9.7 8.9 13.3

127 13.7 10.4 15.6





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1939

Delta R.T. -0.01 min

Lab File: BM016472.D

Acq: 18 Aug 2018 14:05

Instrument :

BNA_M

ClientSampleId :

72-11979

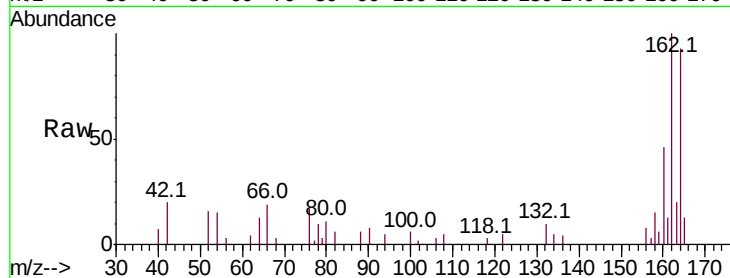
Tot Ion:164 Resp: 19460

Ion Ratio Lower Upper

164 100

162 107.5 82.4 123.6

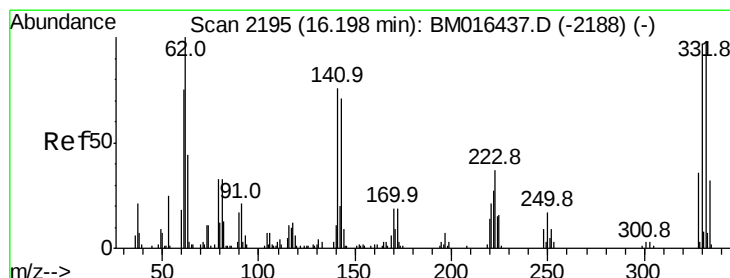
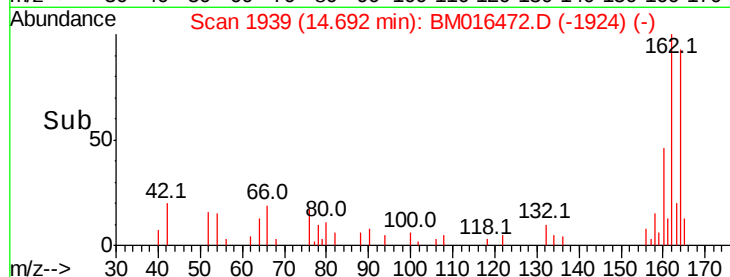
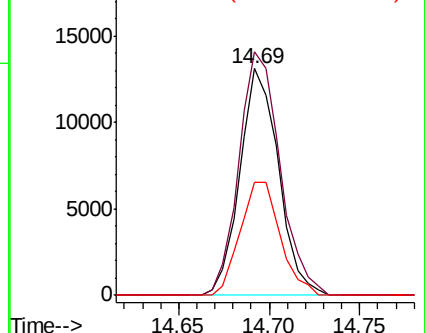
160 49.8 35.8 53.6



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: N.D. ng

RT: 16.19 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BM016472.D

Acq: 18 Aug 2018 14:05

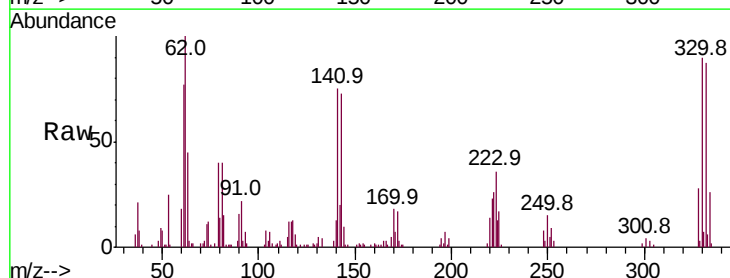
Tgt Ion:330 Resp: 62124

Ion Ratio Lower Upper

330 100

332 95.4 0.0 0.0#

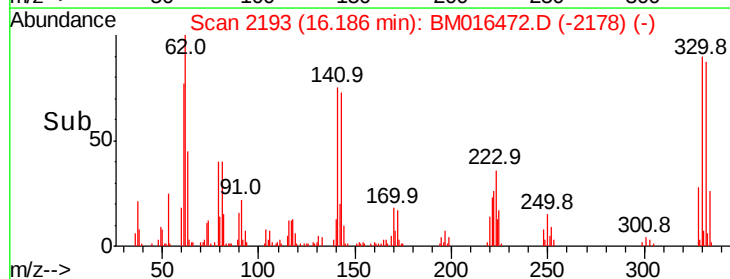
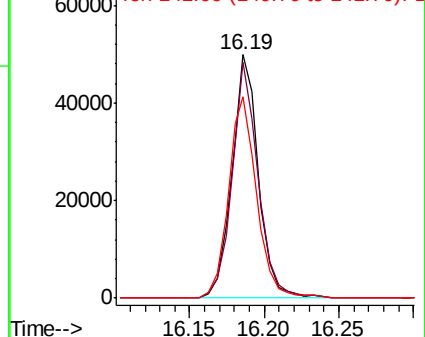
141 87.8 0.0 0.0#

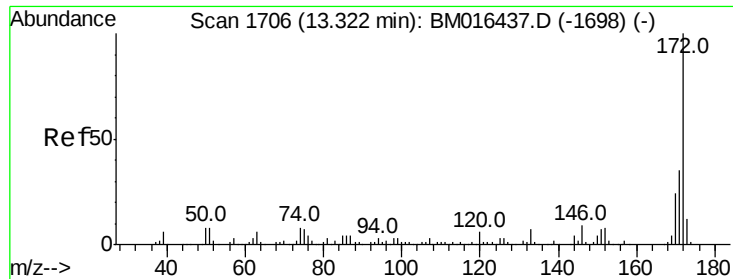


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

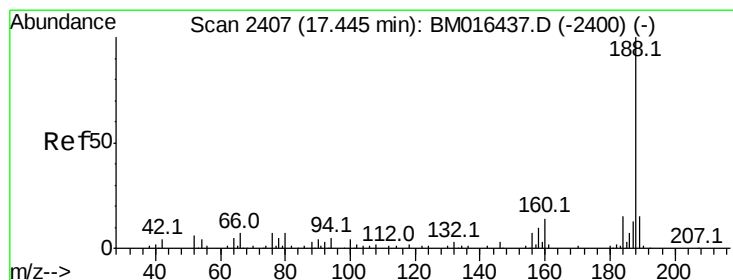
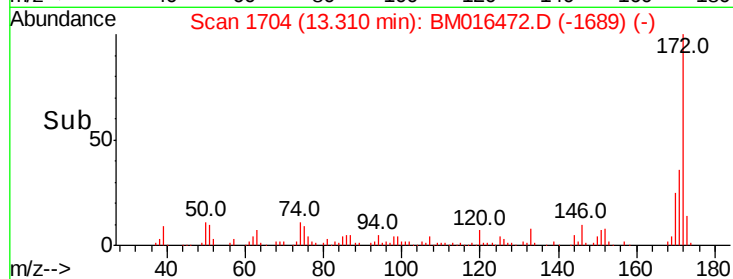
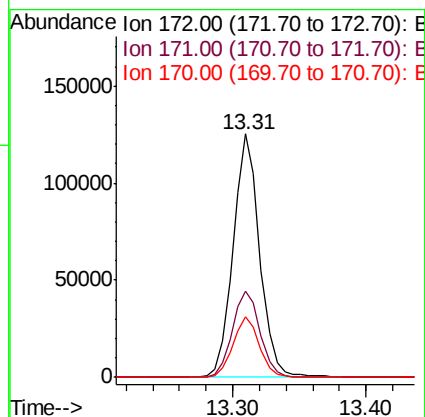
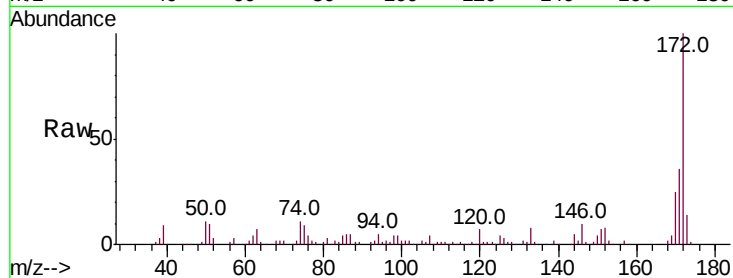




#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.31 min Scan# 1704
 Delta R.T. -0.01 min
 Lab File: BM016472.D
 Acq: 18 Aug 2018 14:05

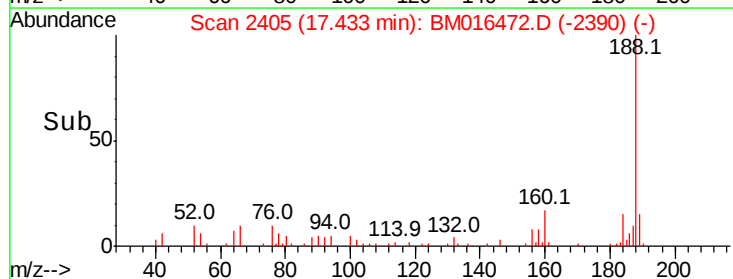
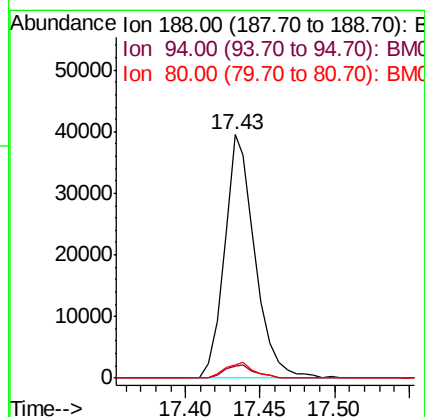
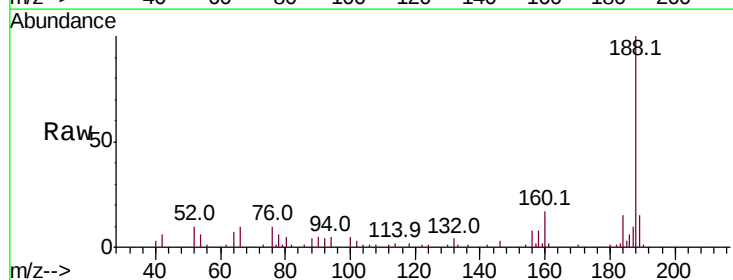
Instrument :
 BNA_M
 ClientSampleId :
 72-11979

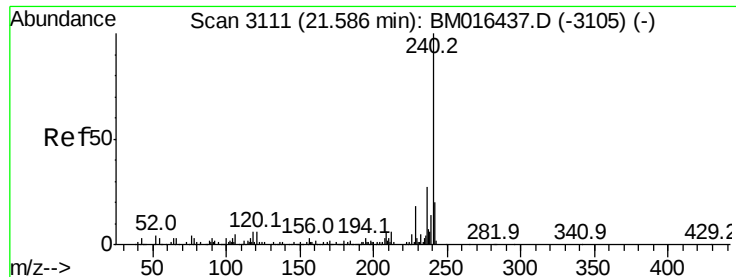
Tot Ion:172 Resp: 173657
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.5 42.7
 170 25.1 18.8 28.2



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.43 min Scan# 2405
 Delta R.T. -0.01 min
 Lab File: BM016472.D
 Acq: 18 Aug 2018 14:05

Tgt Ion:188 Resp: 56102
 Ion Ratio Lower Upper
 188 100
 94 5.1 8.7 13.1#
 80 5.5 9.3 13.9#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.57 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BM016472.D

Acq: 18 Aug 2018 14:05

Instrument :

BNA_M

ClientSampleId :

72-11979

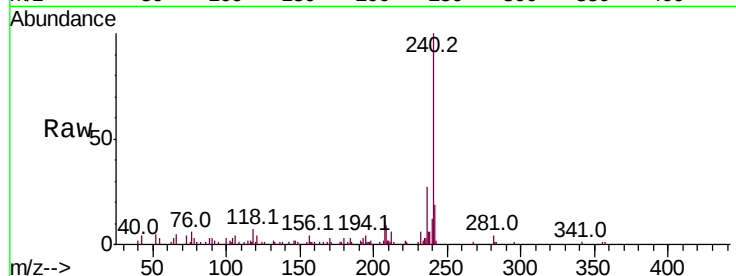
Tot Ion:240 Resp: 90118

Ion Ratio Lower Upper

240 100

120 4.2 8.2 12.2#

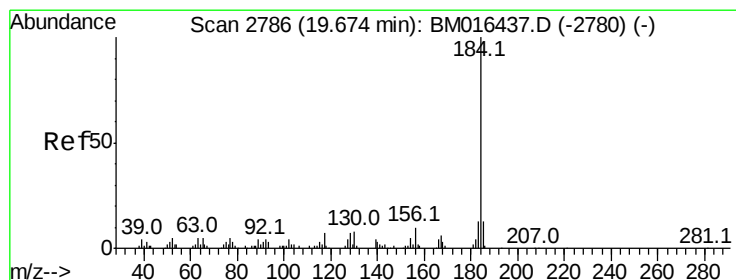
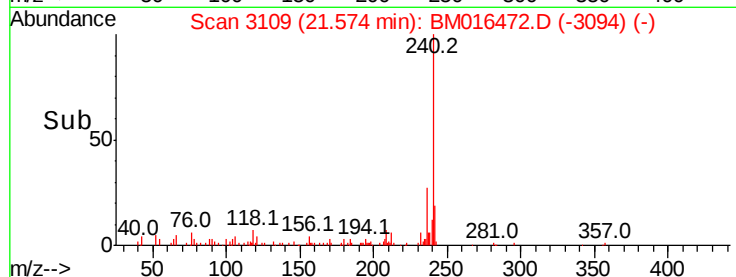
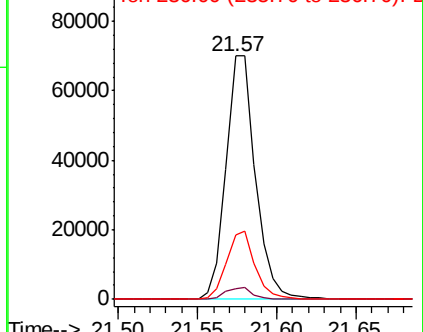
236 26.7 20.0 30.0



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: 25.695 ng

RT: 19.67 min Scan# 2785

Delta R.T. -0.01 min

Lab File: BM016472.D

Acq: 18 Aug 2018 14:05

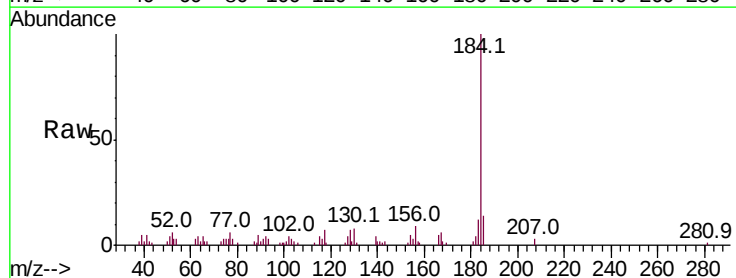
Tgt Ion:184 Resp: 50964

Ion Ratio Lower Upper

184 100

185 14.1 11.3 16.9

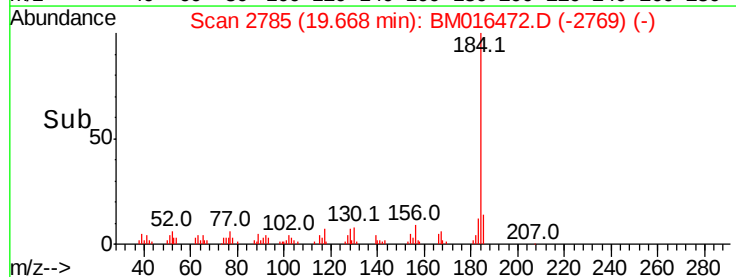
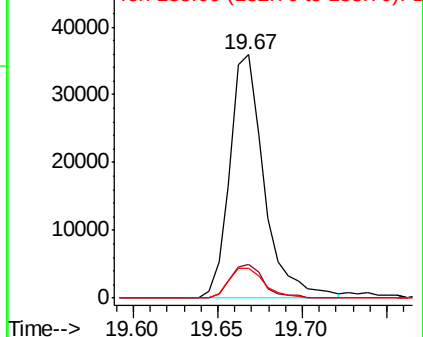
183 12.4 8.9 13.3

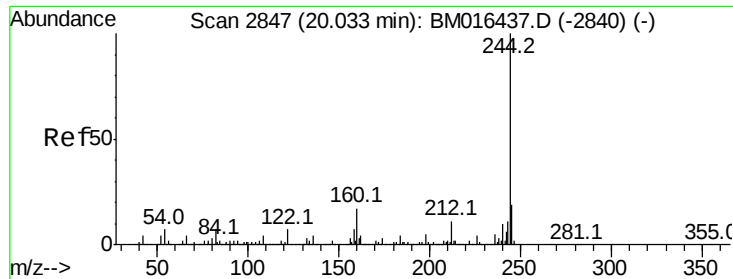


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: N.D. ng

RT: 20.03 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BM016472.D

Acq: 18 Aug 2018 14:05

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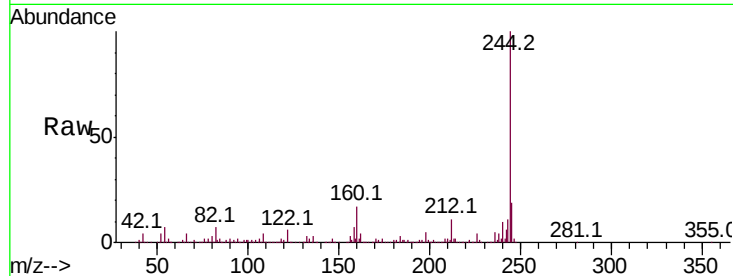
Tot Ion:244 Resp: 662720

Ion Ratio Lower Upper

244 100

212 10.5 4.9 7.3#

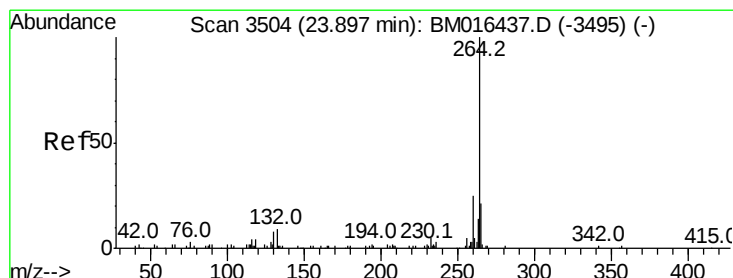
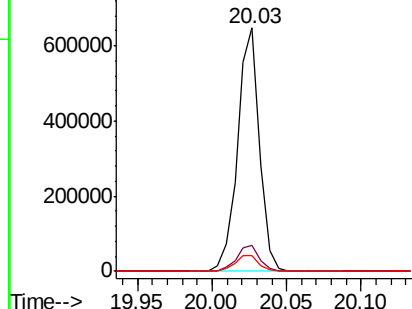
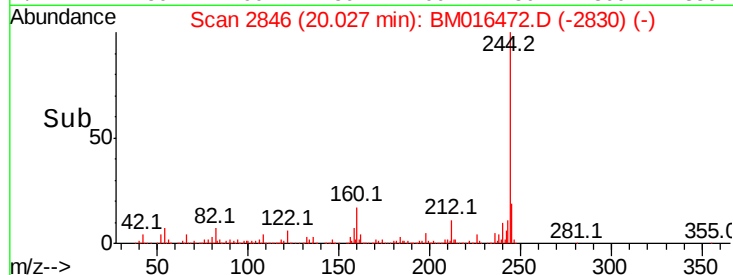
122 6.2 6.2 9.4



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: 23.89 min Scan# 3502

Delta R.T. -0.01 min

Lab File: BM016472.D

Acq: 18 Aug 2018 14:05

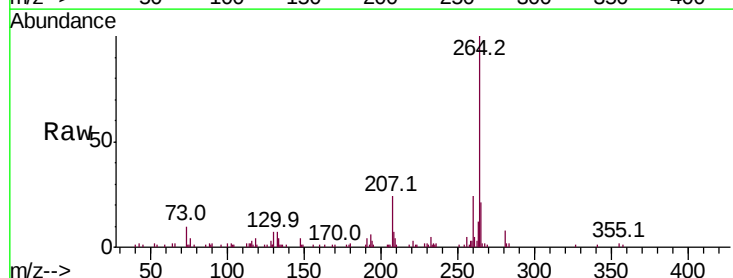
Tgt Ion:264 Resp: 105682

Ion Ratio Lower Upper

264 100

260 23.7 18.6 27.8

265 21.4 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

