

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082418\
 Data File : BM016583.D
 Acq On : 24 Aug 2018 12:03
 Operator : SJ/JU
 Sample : J4556-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 20180533-AMENDED-COMPOSITE-(

Quant Time: Aug 24 23:04:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 24 10:59:20 2018
 Response via : Initial Calibration

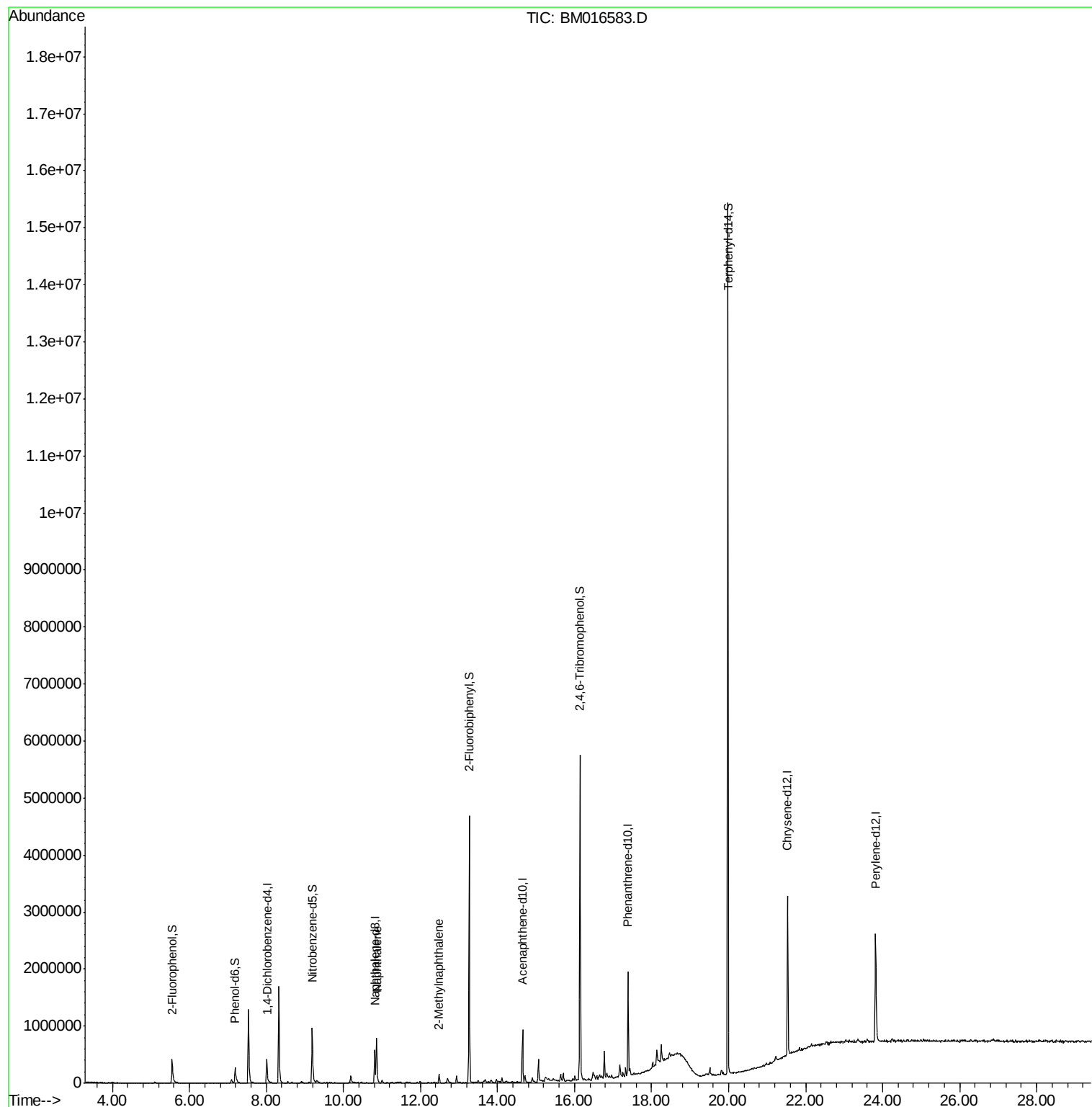
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	89248	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	331403	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	261667	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	994376	20.00	ng	0.00
75) Chrysene-d12	21.53	240	1318649	20.00	ng	0.00
86) Perylene-d12	23.82	264	1411076	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	161901	35.55	ng	0.00
7) Phenol-d6	7.19	99	125759	20.87	ng	0.00
23) Nitrobenzene-d5	9.19	82	567846	78.23	ng	0.00
41) 2,4,6-Tribromophenol	16.15	330	936866	128.08	ng	0.00
44) 2-Fluorobiphenyl	13.26	172	2031824	74.64	ng	0.00
78) Terphenyl-d14	19.98	244	5661766	90.88	ng	0.00
Target Compounds						
31) Naphthalene	10.86	128	496610	31.452	ng	96
37) 2-Methylnaphthalene	12.48	142	59955	4.850	ng	# 84

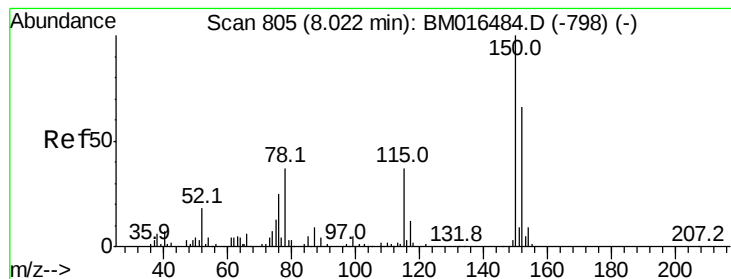
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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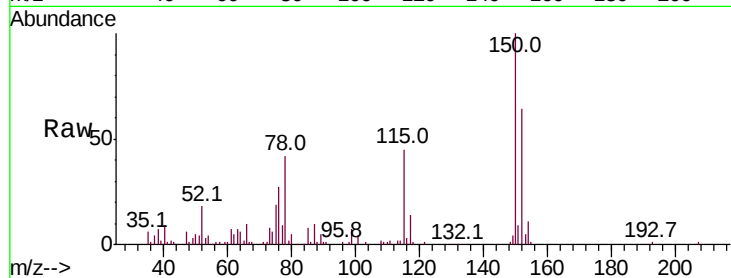


#1

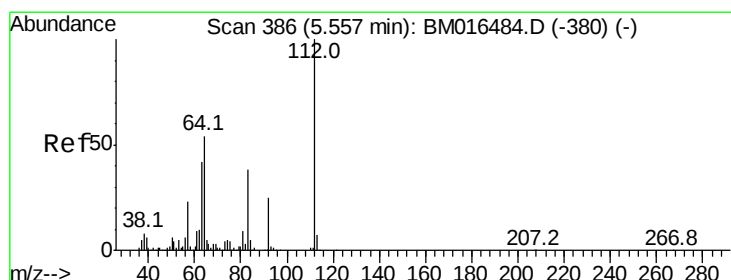
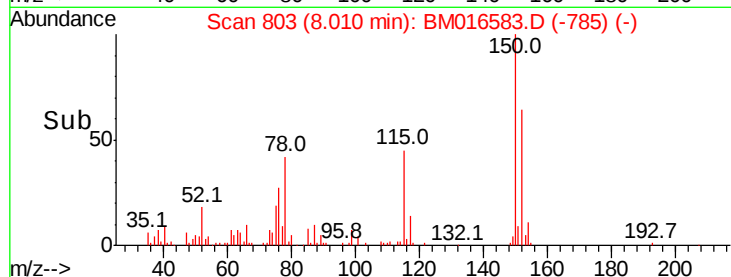
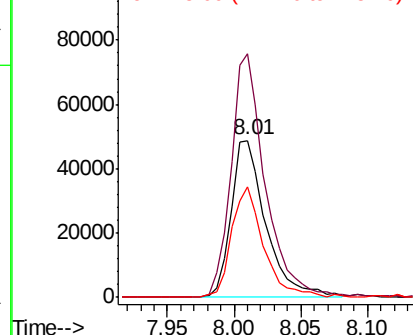
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 803
Delta R.T. 0.01 min
Lab File: BM016583.D
Acq: 24 Aug 2018 12:03

Instrument :
BNA_M
ClientSampleId :
20180533-AMENDED-COMPOSITE-(-

Tot Ion:152 Resp: 89248
Ion Ratio Lower Upper
152 100
150 155.2 119.5 179.3
115 70.3 43.0 64.4#



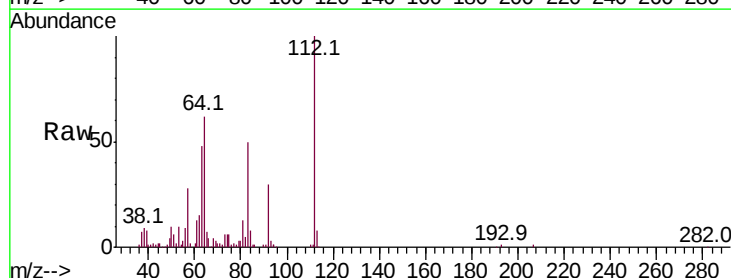
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



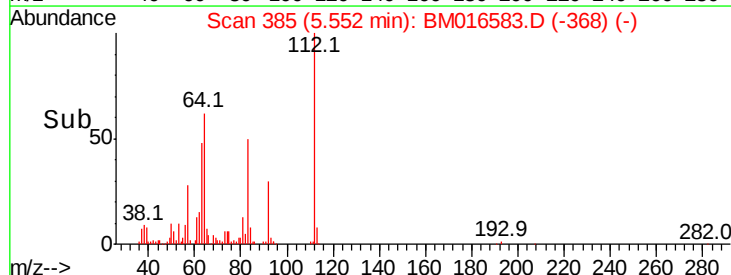
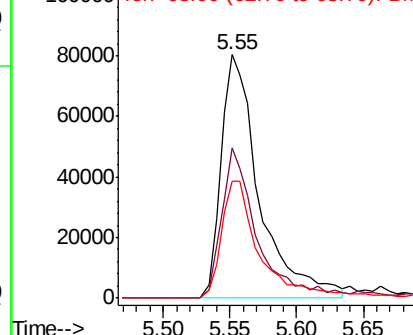
#5

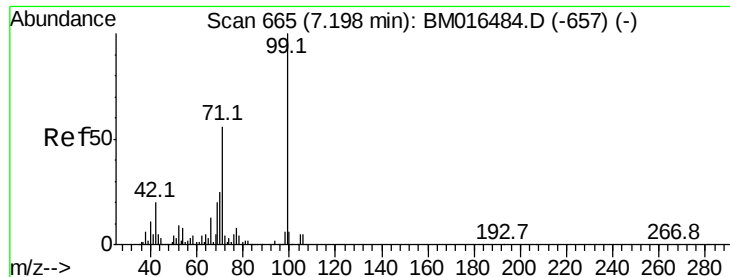
2-Fluorophenol
Concen: 35.548 ng
RT: 5.55 min Scan# 385
Delta R.T. -0.00 min
Lab File: BM016583.D
Acq: 24 Aug 2018 12:03

Tgt Ion:112 Resp: 161901
Ion Ratio Lower Upper
112 100
64 61.5 38.6 57.8#
63 48.1 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: 20.867 ng

RT: 7.19 min Scan# 663

Delta R.T. 0.01 min

Lab File: BM016583.D

Acq: 24 Aug 2018 12:03

Instrument :

BNA_M

ClientSampleId :

20180533-AMENDED-COMPOSITE-(-

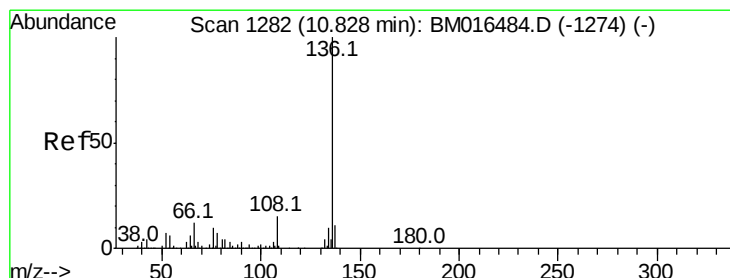
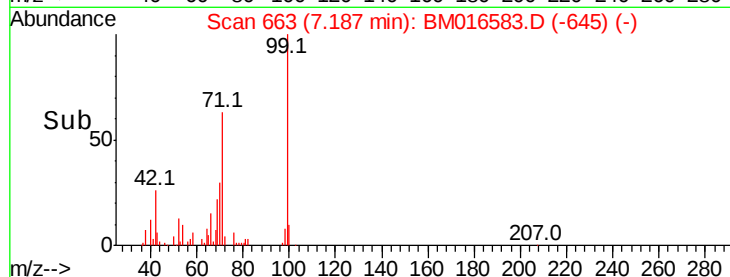
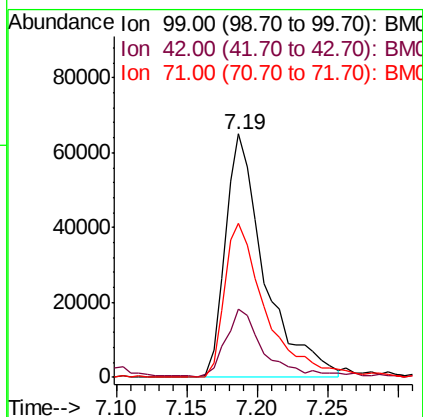
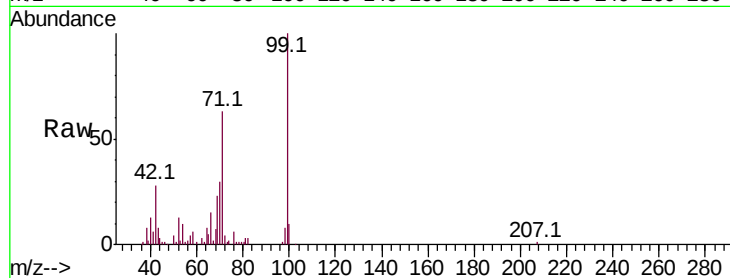
Tot Ion: 99 Resp: 125759

Ion Ratio Lower Upper

99 100

42 28.3 11.0 16.4#

71 63.0 23.4 35.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1280

Delta R.T. 0.01 min

Lab File: BM016583.D

Acq: 24 Aug 2018 12:03

Tgt Ion: 136 Resp: 331403

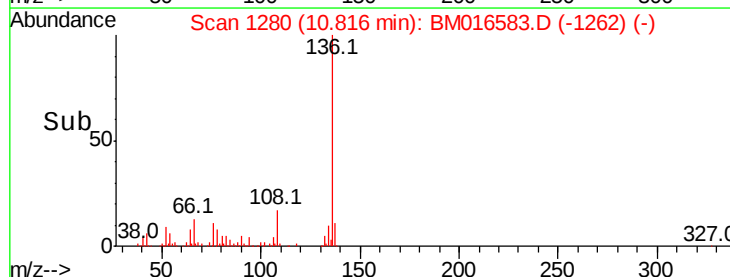
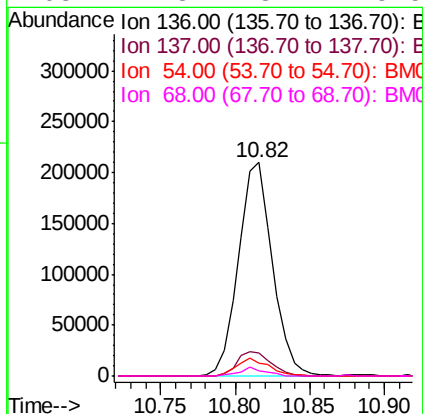
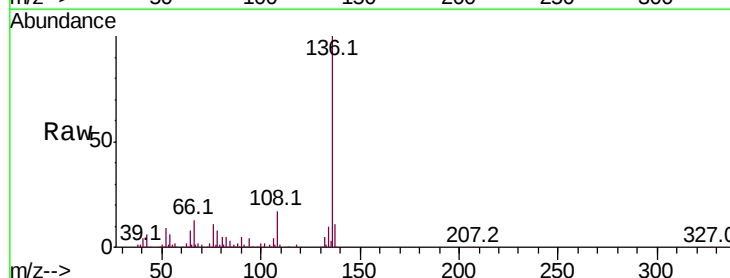
Ion Ratio Lower Upper

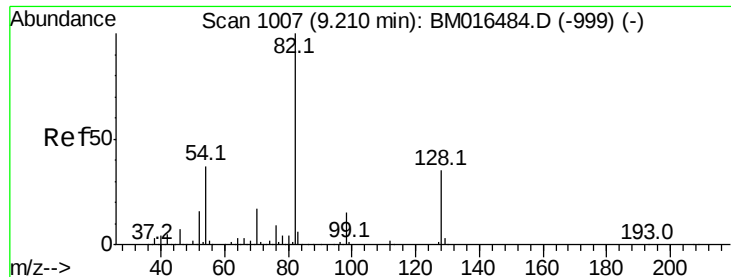
136 100

137 10.8 8.7 13.1

54 5.8 4.6 6.8

68 2.3 3.7 5.5#





#23

Nitrobenzene-d5

Concen: 78.235 ng

RT: 9.19 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BM016583.D

Acq: 24 Aug 2018 12:03

Instrument :

BNA_M

ClientSampleId :

20180533-AMENDED-COMPOSITE-(

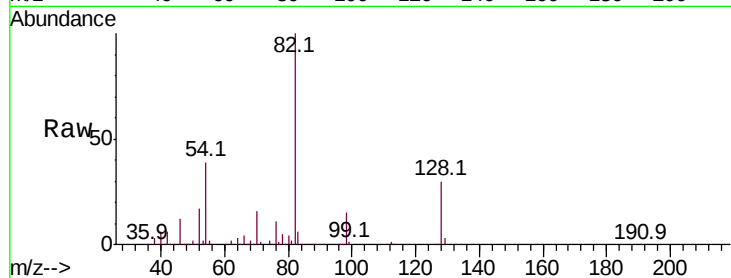
Tot Ion: 82 Resp: 567846

Ion Ratio Lower Upper

82 100

128 30.0 32.8 49.2#

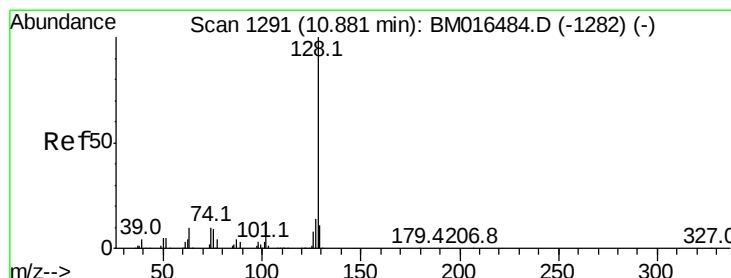
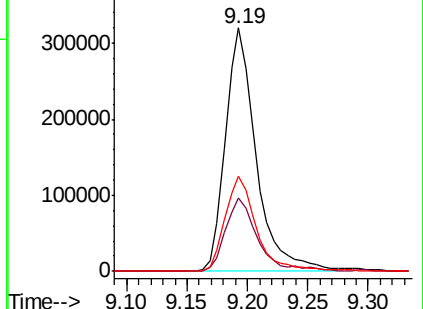
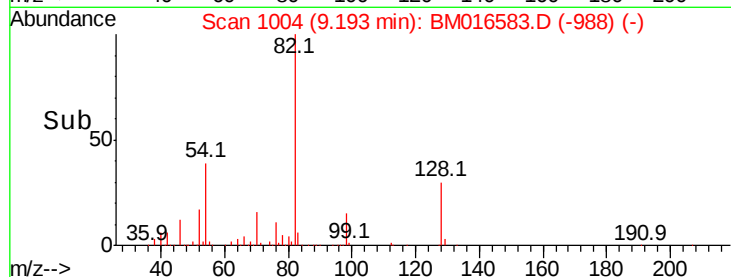
54 39.0 40.6 60.8#



Abundance Ion 82.00 (81.70 to 82.70): BM016583.D (-998) (-)

Ion 128.00 (127.70 to 128.70): BM016583.D (-998) (-)

Ion 54.00 (53.70 to 54.70): BM016583.D (-998) (-)



#31

Naphthalene

Concen: 31.452 ng

RT: 10.86 min Scan# 1288

Delta R.T. -0.00 min

Lab File: BM016583.D

Acq: 24 Aug 2018 12:03

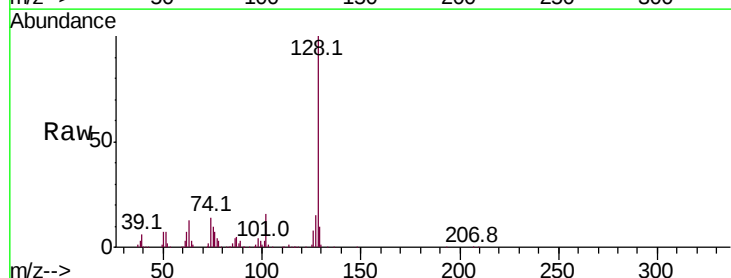
Tgt Ion:128 Resp: 496610

Ion Ratio Lower Upper

128 100

129 9.9 8.9 13.3

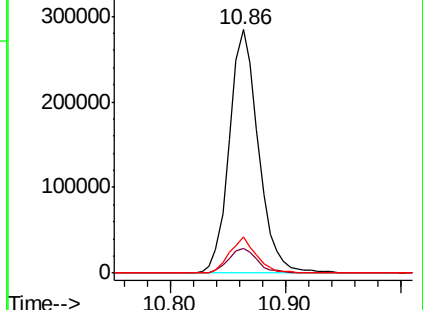
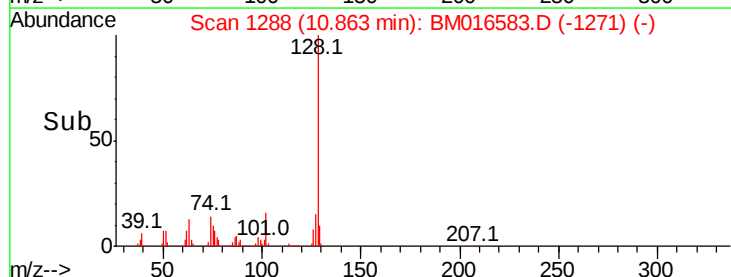
127 15.2 10.4 15.6

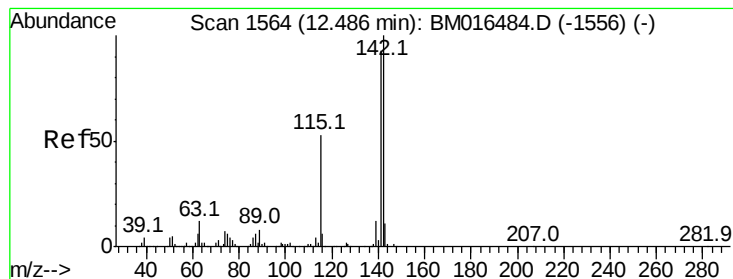


Abundance Ion 128.00 (127.70 to 128.70): BM016583.D (-1271) (-)

Ion 129.00 (128.70 to 129.70): BM016583.D (-1271) (-)

Ion 127.00 (126.70 to 127.70): BM016583.D (-1271) (-)





#37

2-Methylnaphthalene

Concen: 4.850 ng

RT: 12.48 min Scan# 1563

Delta R.T. 0.01 min

Lab File: BM016583.D

Acq: 24 Aug 2018 12:03

Instrument :

BNA_M

ClientSampleId :

20180533-AMENDED-COMPOSITE-(-

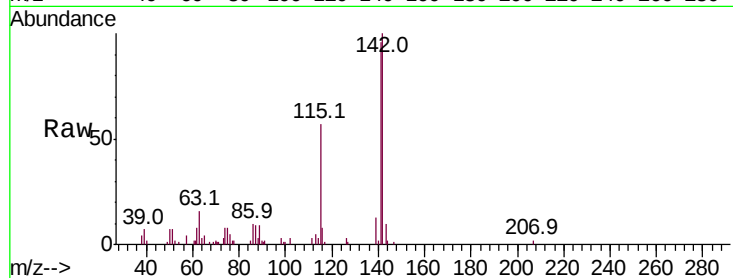
Tot Ion:142 Resp: 59955

Ion Ratio Lower Upper

142 100

141 95.6 71.9 107.9

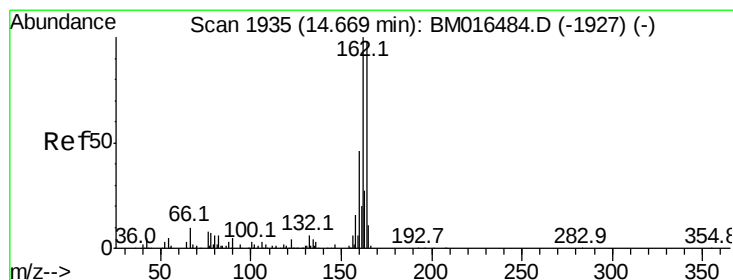
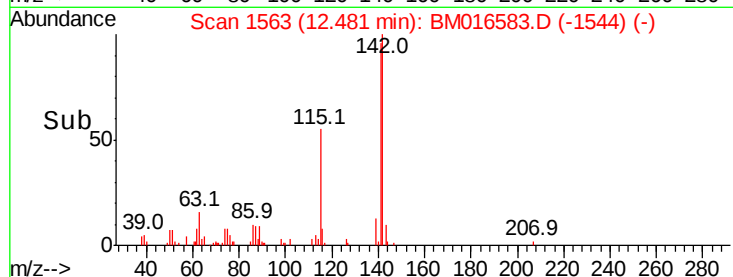
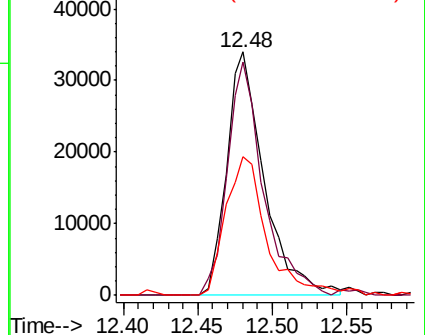
115 57.0 25.4 38.0#



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: 14.65 min Scan# 1932

Delta R.T. -0.00 min

Lab File: BM016583.D

Acq: 24 Aug 2018 12:03

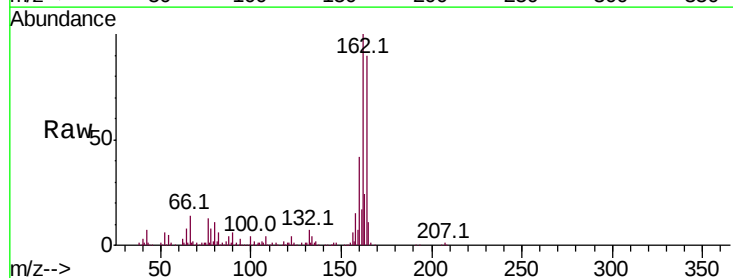
Tgt Ion:164 Resp: 261667

Ion Ratio Lower Upper

164 100

162 111.7 82.4 123.6

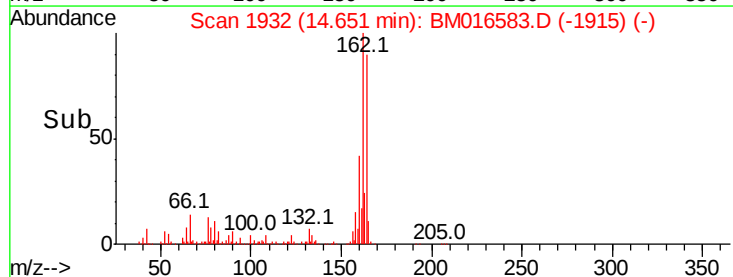
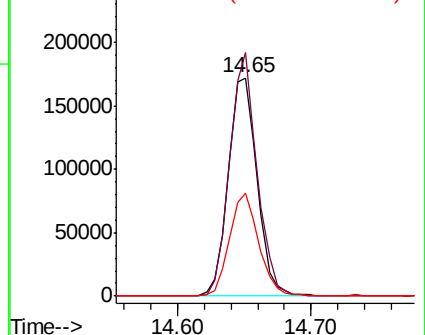
160 47.4 35.8 53.6

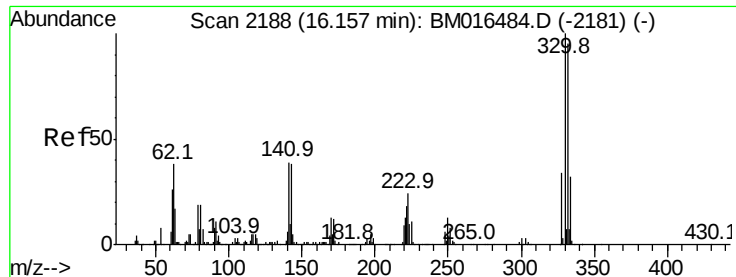


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

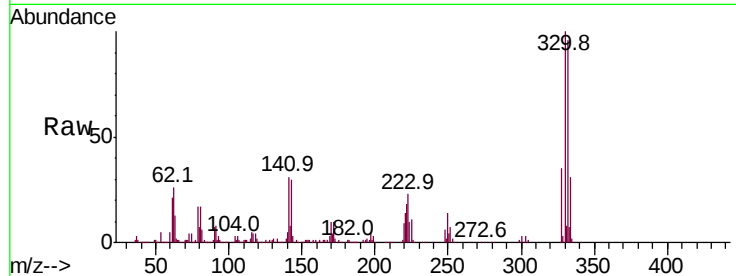




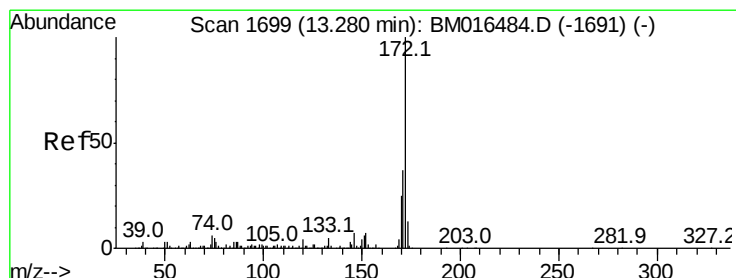
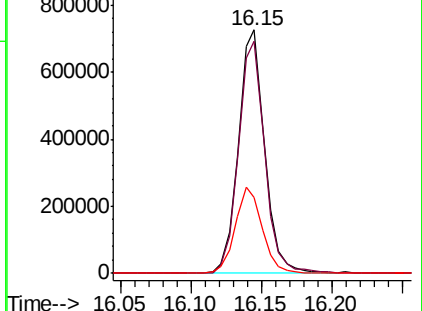
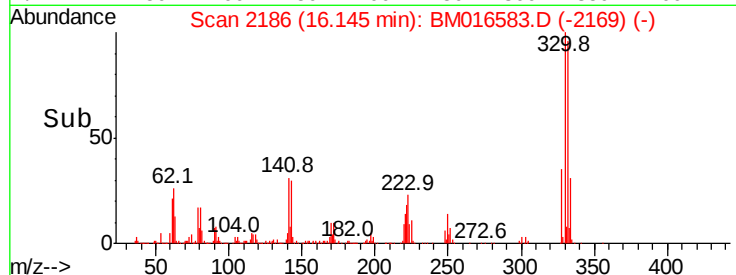
#41
 2,4,6-Tribromophenol
 Concen: 128.080 ng
 RT: 16.15 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: BM016583.D
 Acq: 24 Aug 2018 12:03

Instrument :
 BNA_M
 ClientSampleId :
 20180533-AMENDED-COMPOSITE-(-)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	0.0	0.0#
141	36.9	0.0	0.0#

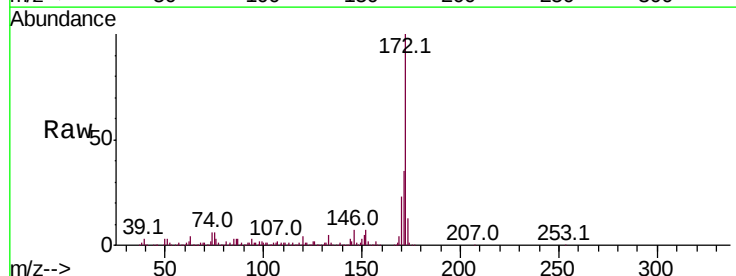


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

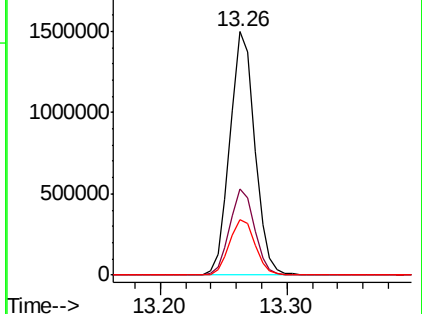
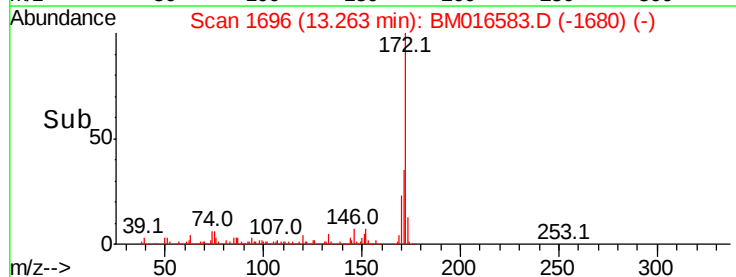


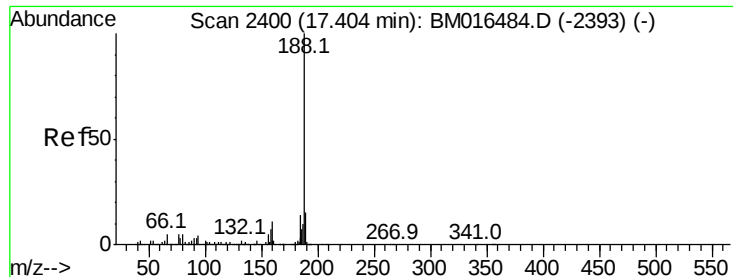
#44
 2-Fluorobiphenyl
 Concen: 74.638 ng
 RT: 13.26 min Scan# 1696
 Delta R.T. -0.01 min
 Lab File: BM016583.D
 Acq: 24 Aug 2018 12:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.5	42.7
170	22.8	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: 17.39 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BM016583.D

Acq: 24 Aug 2018 12:03

Instrument :

BNA_M

ClientSampleId :

20180533-AMENDED-COMPOSITE-(

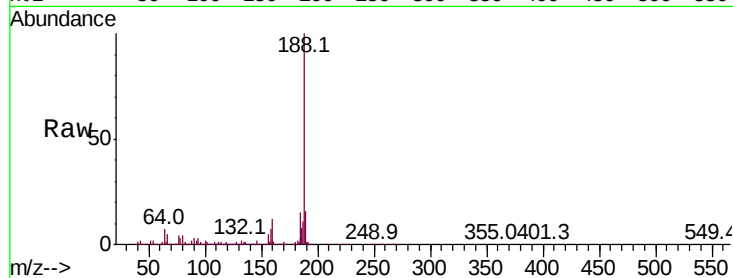
Tot Ion:188 Resp: 994376

Ion Ratio Lower Upper

188 100

94 2.7 8.7 13.1#

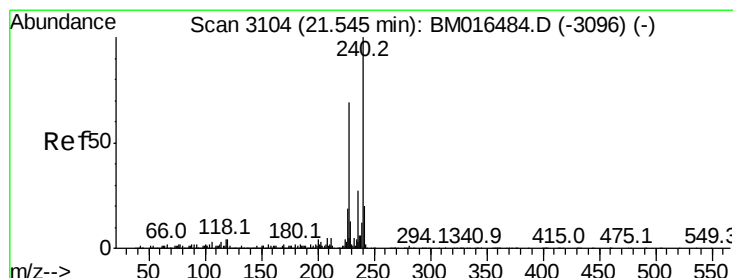
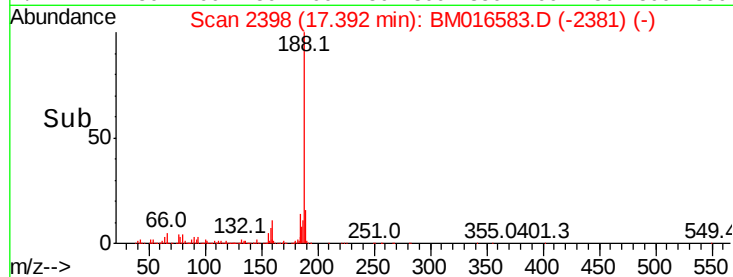
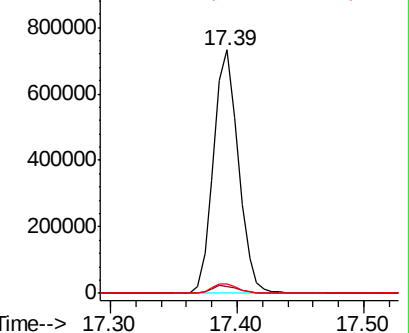
80 3.7 9.3 13.9#



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: 21.53 min Scan# 3102

Delta R.T. -0.00 min

Lab File: BM016583.D

Acq: 24 Aug 2018 12:03

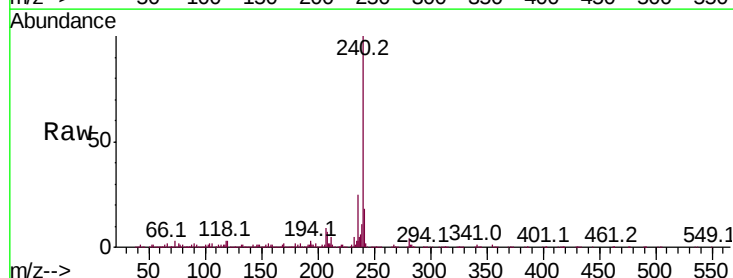
Tgt Ion:240 Resp: 1318649

Ion Ratio Lower Upper

240 100

120 3.5 8.2 12.2#

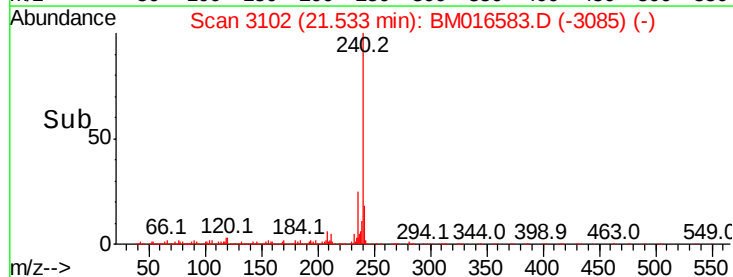
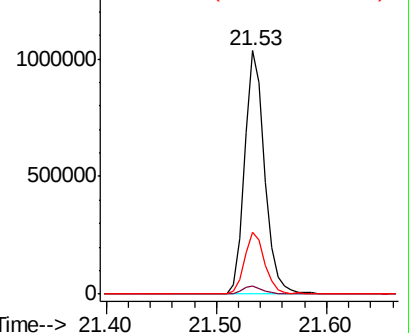
236 25.2 20.0 30.0

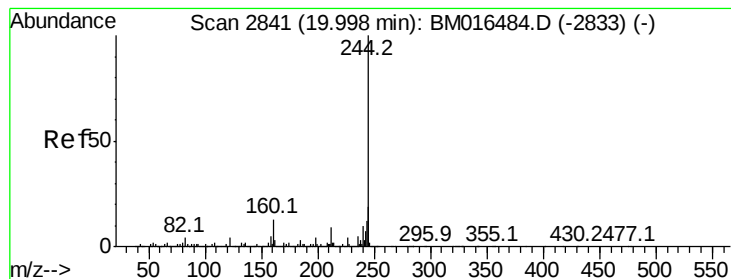


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 90.877 ng

RT: 19.98 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BM016583.D

Acq: 24 Aug 2018 12:03

Instrument :

BNA_M

ClientSampleId :

20180533-AMENDED-COMPOSITE-(-)

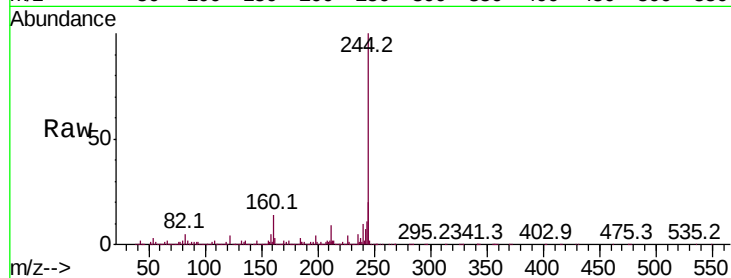
Tot Ion:244 Resp: 5661766

Ion Ratio Lower Upper

244 100

212 9.4 4.9 7.3#

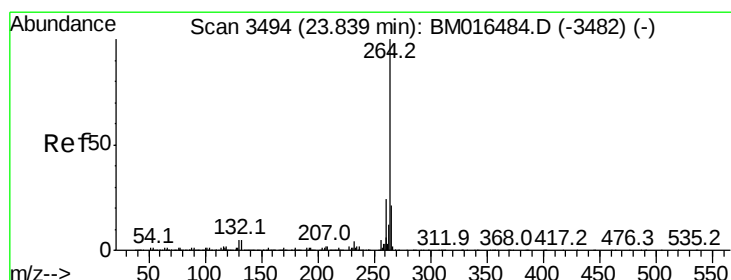
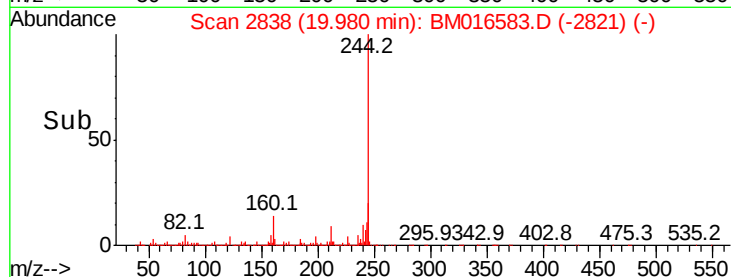
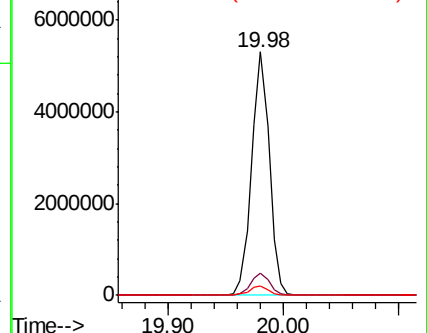
122 3.7 6.2 9.4#



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: 23.82 min Scan# 3490

Delta R.T. -0.00 min

Lab File: BM016583.D

Acq: 24 Aug 2018 12:03

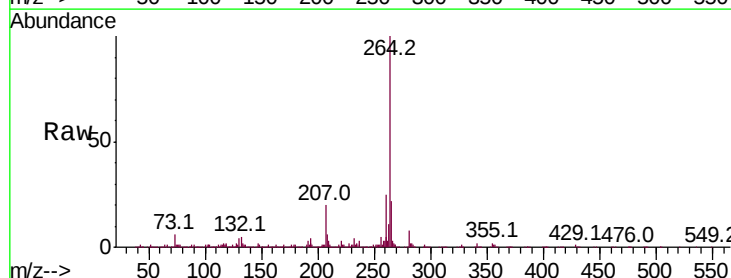
Tgt Ion:264 Resp: 1411076

Ion Ratio Lower Upper

264 100

260 24.7 18.6 27.8

265 22.5 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

