

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082118\
 Data File : BM016500.D
 Acq On : 22 Aug 2018 01:06
 Operator : SJ/JU
 Sample : J4560-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB-0818-S-TCLP-GRID61-2

Quant Time: Aug 22 02:22:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 16:31:22 2018
 Response via : Initial Calibration

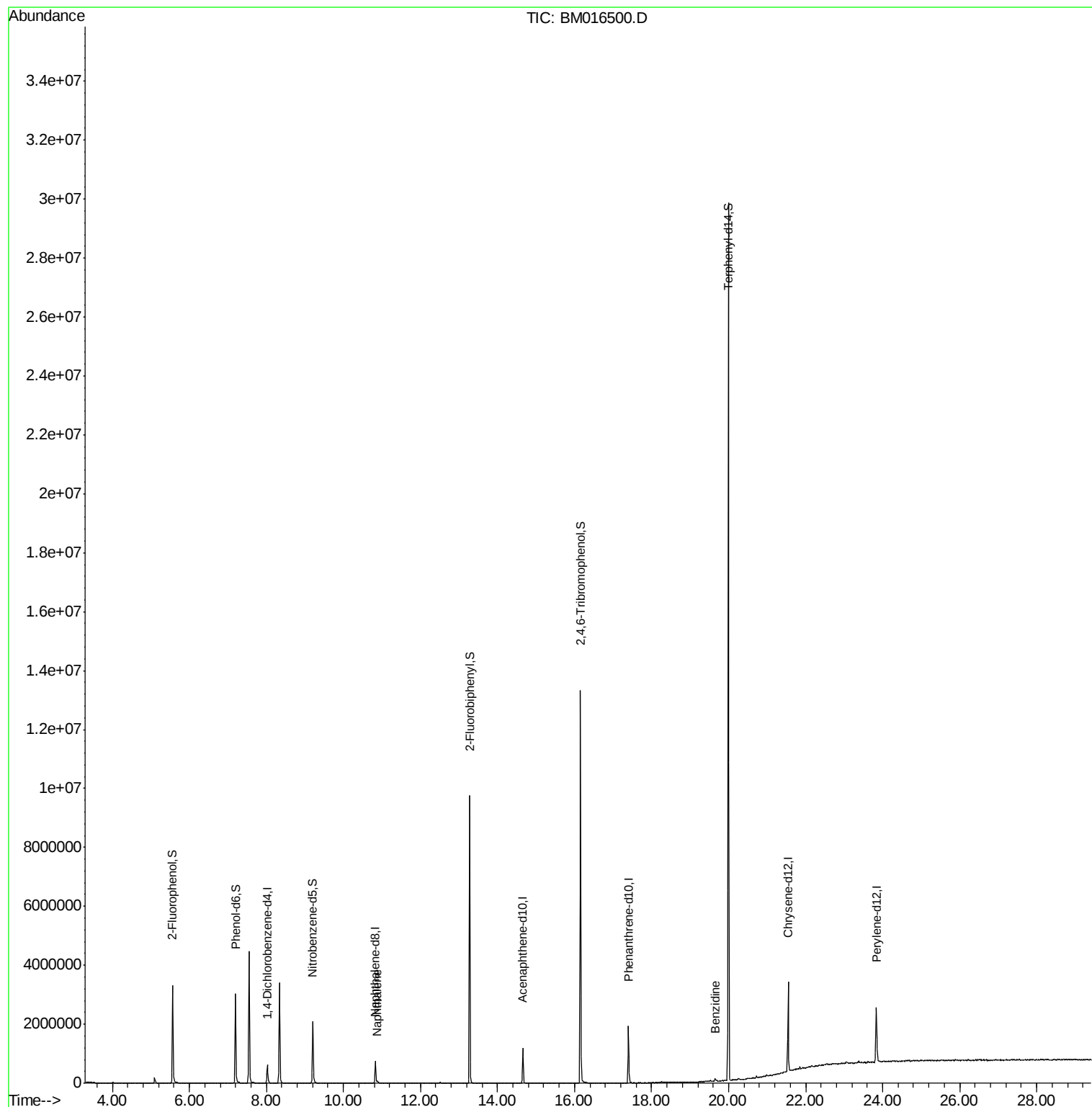
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	145042	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	467450	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	341000	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	1121786	20.00	ng	0.00
75) Chrysene-d12	21.54	240	1378542	20.00	ng	0.00
86) Perylene-d12	23.83	264	1519958	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	1070584	144.64	ng	0.00
7) Phenol-d6	7.20	99	1222430	124.81	ng	0.00
23) Nitrobenzene-d5	9.21	82	1194722	116.70	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	2271289	238.27	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	4277385	120.57	ng	0.00
78) Terphenyl-d14	19.99	244	10651286	163.54	ng	0.00
Target Compounds						
31) Naphthalene	10.89	128	53209	2.389	ng	Qvalue # 94
76) Benzidine	19.64	184	83100	3.135	ng	99

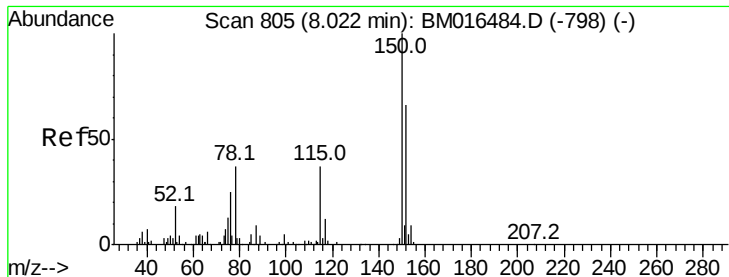
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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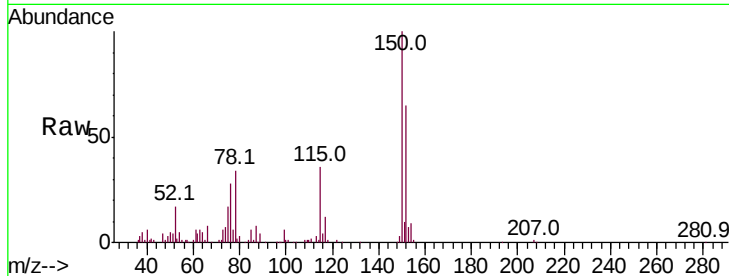


#1

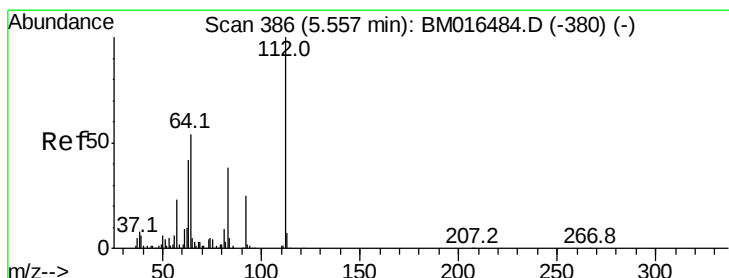
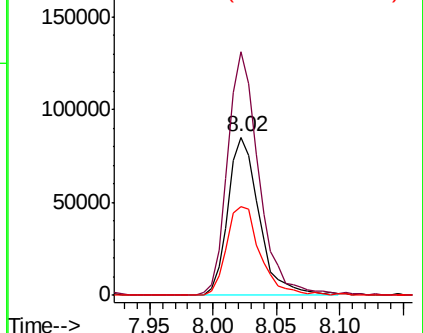
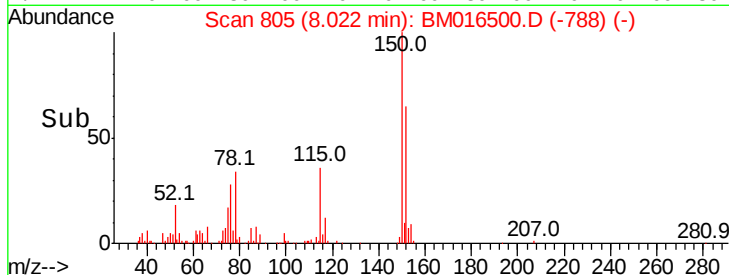
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 805
Delta R.T. 0.00 min
Lab File: BM016500.D
Acq: 22 Aug 2018 01:06

Instrument :
BNA_M
ClientSampleId :
CB-0818-S-TCLP-GRID61-2

Tot Ion:152 Resp: 145042
Ion Ratio Lower Upper
152 100
150 154.1 119.5 179.3
115 56.1 43.0 64.4



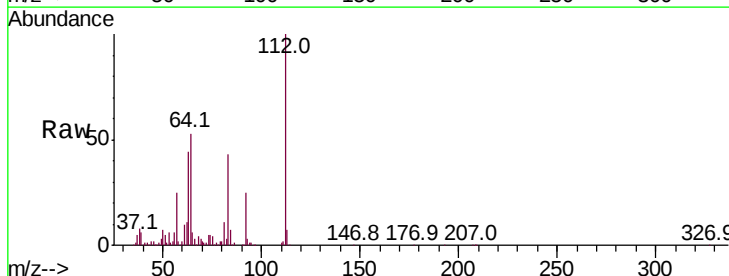
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



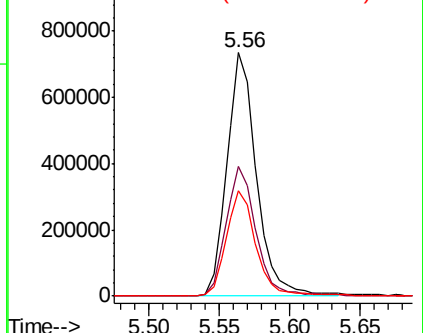
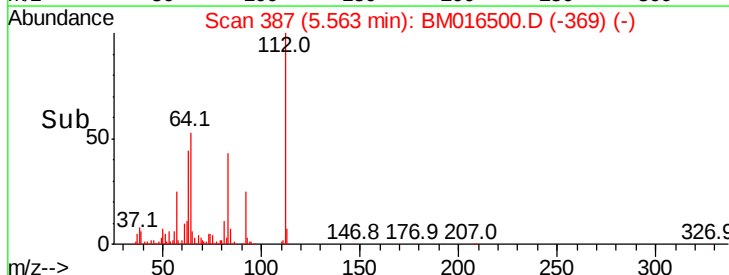
#5

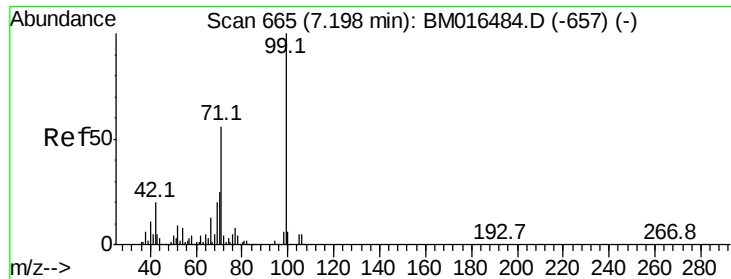
2-Fluorophenol
Concen: Below ng
RT: 5.56 min Scan# 387
Delta R.T. 0.01 min
Lab File: BM016500.D
Acq: 22 Aug 2018 01:06

Tgt Ion:112 Resp: 1070584
Ion Ratio Lower Upper
112 100
64 53.2 38.6 57.8
63 43.5 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: 7.20 min Scan# 665

Delta R.T. 0.00 min

Lab File: BM016500.D

Acq: 22 Aug 2018 01:06

Instrument :

BNA_M

ClientSampleId :

CB-0818-S-TCLP-GRID61-2

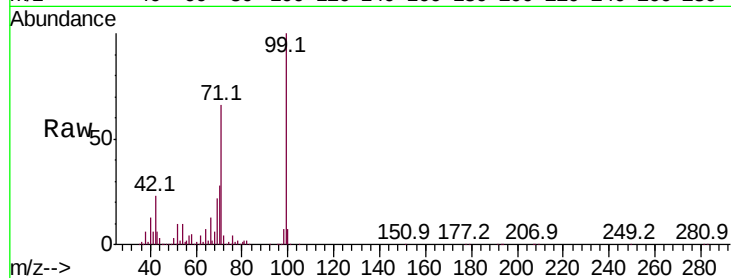
Tot Ion: 99 Resp: 1222430

Ion Ratio Lower Upper

99 100

42 22.6 11.0 16.4#

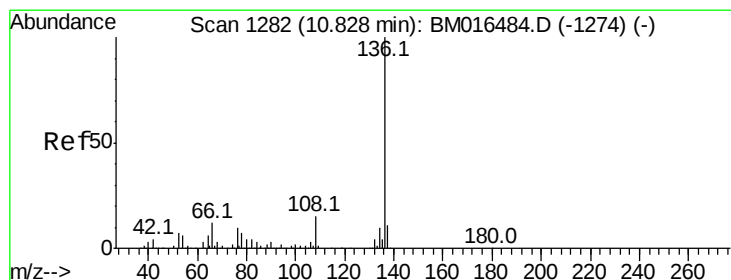
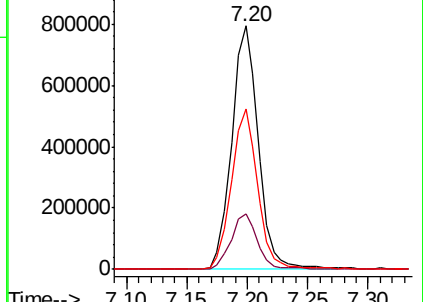
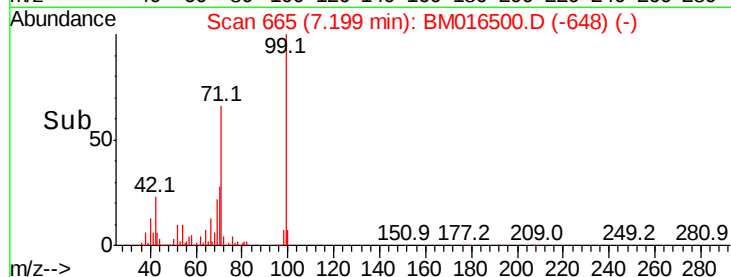
71 65.8 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016500.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM016500.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM016500.D (-657) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1282

Delta R.T. 0.00 min

Lab File: BM016500.D

Acq: 22 Aug 2018 01:06

Tgt Ion: 136 Resp: 467450

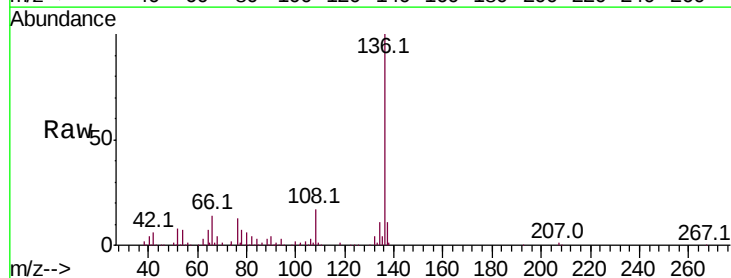
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 7.1 4.6 6.8#

68 3.7 3.7 5.5

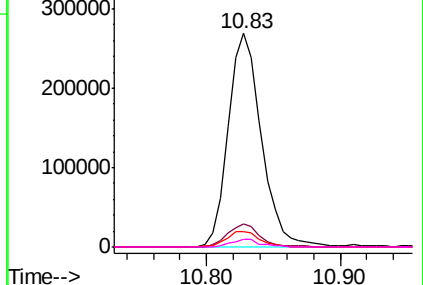
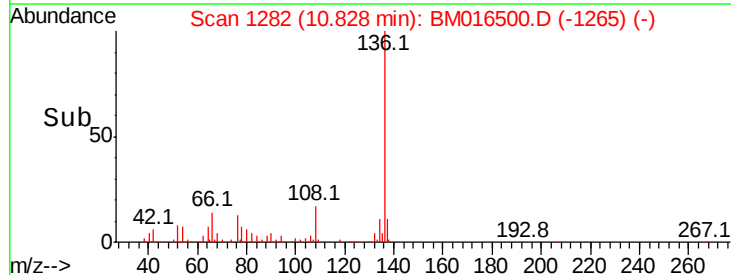


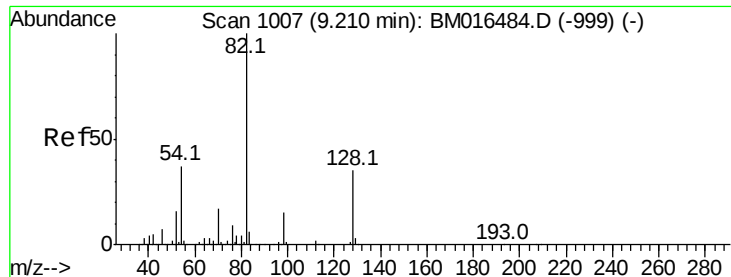
Abundance Ion 136.00 (135.70 to 136.70): BM016500.D (-1265) (-)

Ion 137.00 (136.70 to 137.70): BM016500.D (-1265) (-)

Ion 54.00 (53.70 to 54.70): BM016500.D (-1265) (-)

Ion 68.00 (67.70 to 68.70): BM016500.D (-1265) (-)

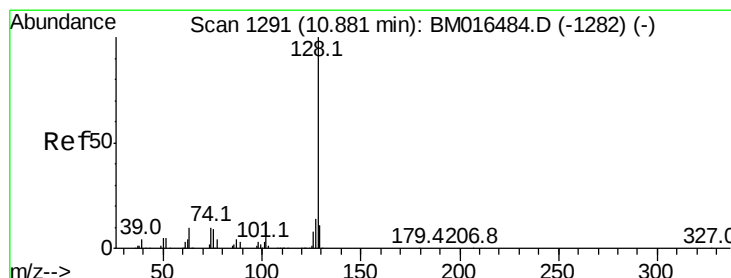
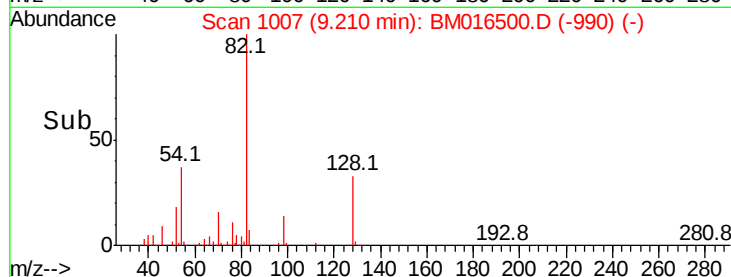
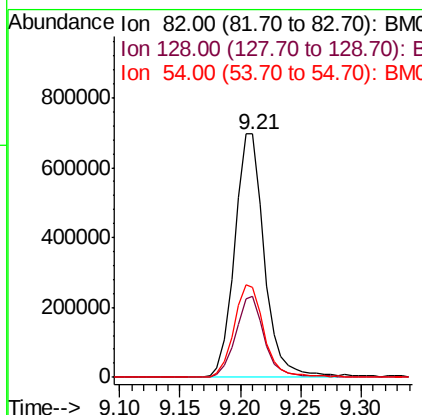
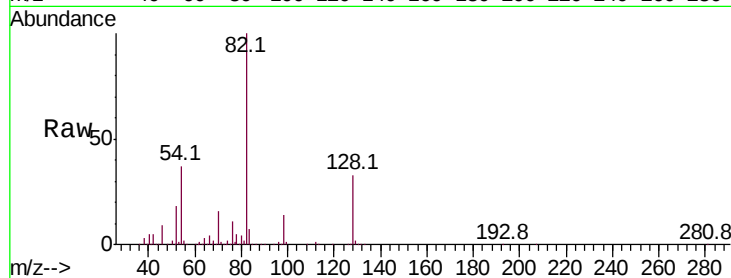




#23
 Nitrobenzene-d5
 Concen: Below na
 RT: 9.21 min Scan# 1007
 Delta R.T. 0.00 min
 Lab File: BM016500.D
 Acq: 22 Aug 2018 01:06

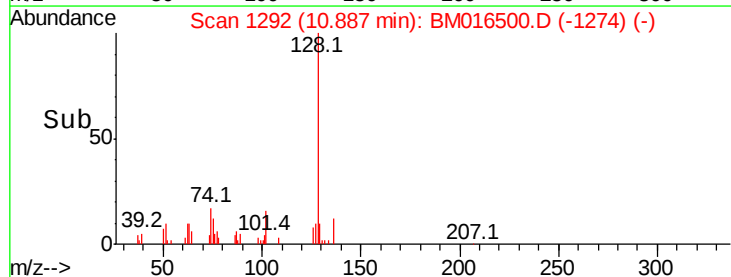
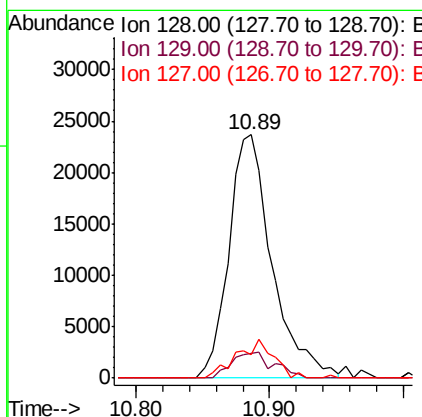
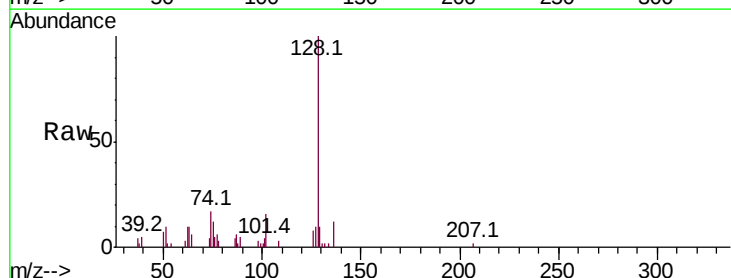
Instrument :
 BNA_M
 ClientSampleId :
 CB-0818-S-TCLP-GRID61-2

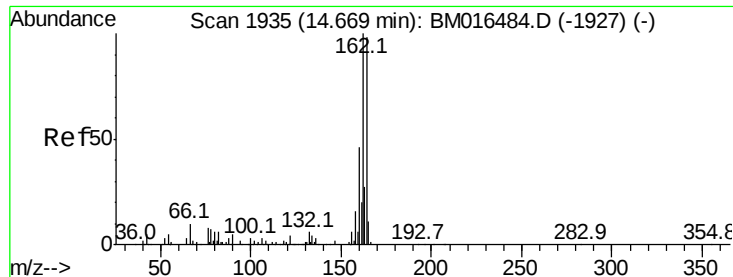
Tot Ion: 82 Resp: 1194722
 Ion Ratio Lower Upper
 82 100
 128 33.2 32.8 49.2
 54 37.0 40.6 60.8#



#31
 Naphthalene
 Concen: 2.389 ng
 RT: 10.89 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: BM016500.D
 Acq: 22 Aug 2018 01:06

Tgt Ion: 128 Resp: 53209
 Ion Ratio Lower Upper
 128 100
 129 10.1 8.9 13.3
 127 9.7 10.4 15.6#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1934

Delta R.T. -0.01 min

Lab File: BM016500.D

Acq: 22 Aug 2018 01:06

Instrument :

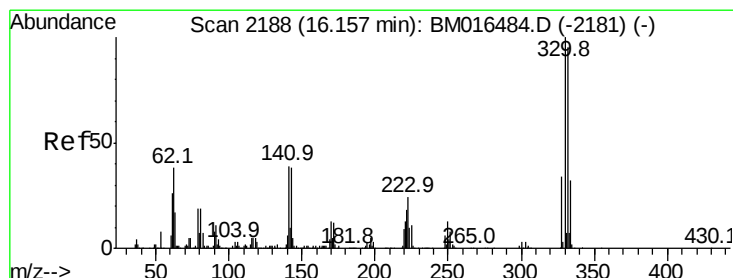
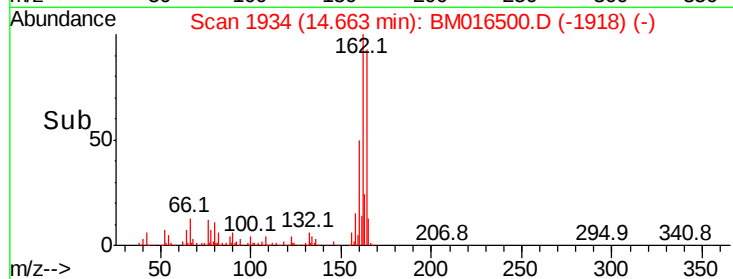
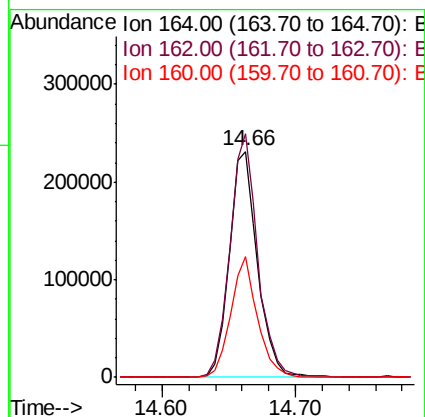
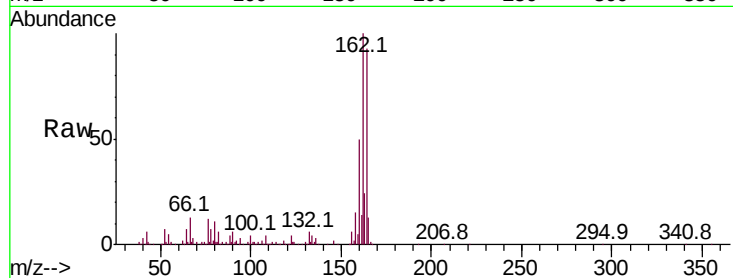
BNA_M

ClientSampleId :

CB-0818-S-TCLP-GRID61-2

Tot Ion:164 Resp: 341000

Ion	Ratio	Lower	Upper
164	100		
162	107.8	82.4	123.6
160	53.5	35.8	53.6



#41

2,4,6-Tribromophenol

Concen: N.D. ng

RT: 16.16 min Scan# 2188

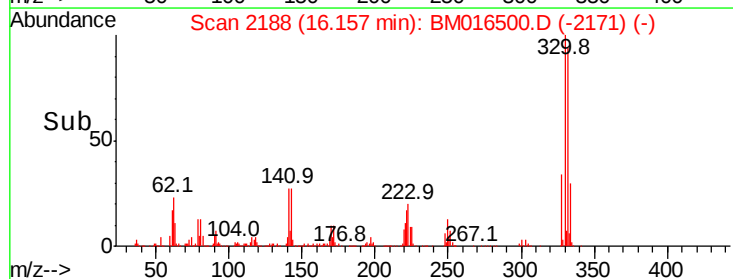
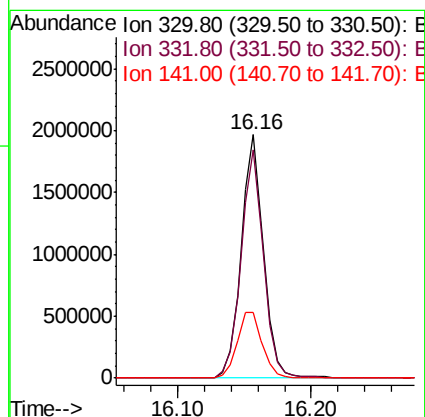
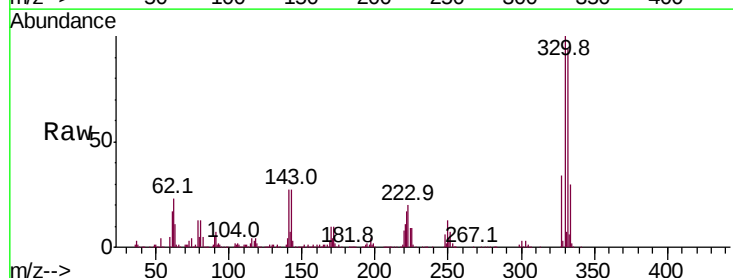
Delta R.T. 0.00 min

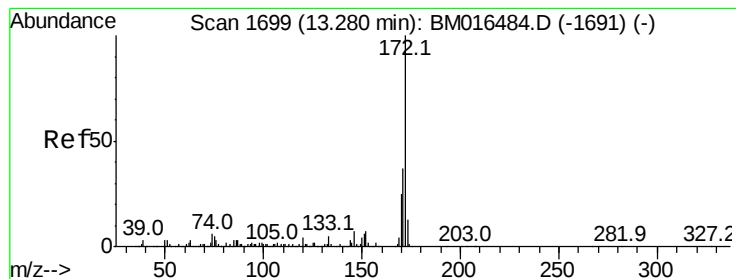
Lab File: BM016500.D

Acq: 22 Aug 2018 01:06

Tgt Ion:330 Resp: 2271289

Ion	Ratio	Lower	Upper
330	100		
332	94.8	0.0	0.0#
141	31.1	0.0	0.0#





#44

2-Fluorobiphenyl

Concen: N.D. ng

RT: 13.28 min Scan# 1699

Delta R.T. 0.00 min

Lab File: BM016500.D

Acq: 22 Aug 2018 01:06

Instrument :

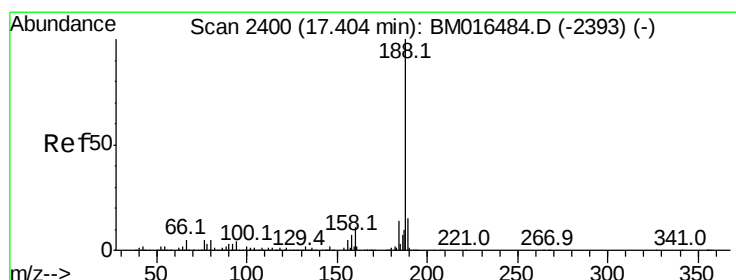
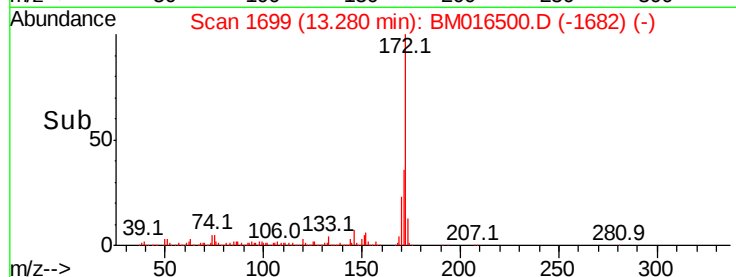
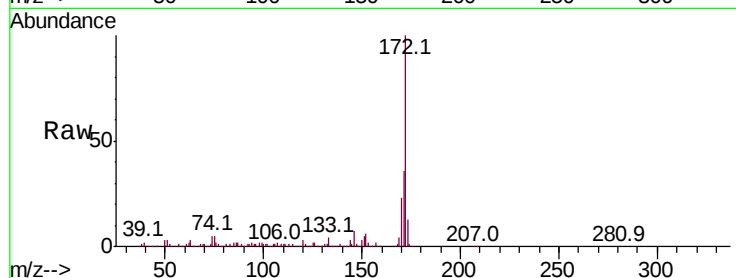
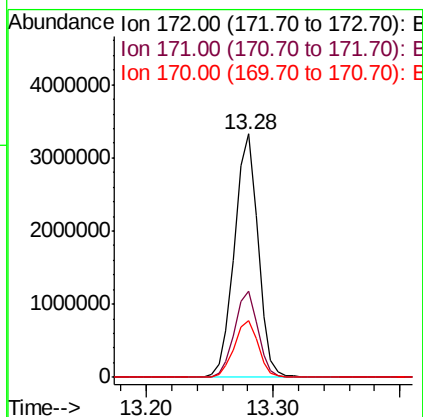
BNA_M

ClientSampleId :

CB-0818-S-TCLP-GRID61-2

Tot Ion:172 Resp: 4277385

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.5	42.7
170	23.4	18.8	28.2



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2400

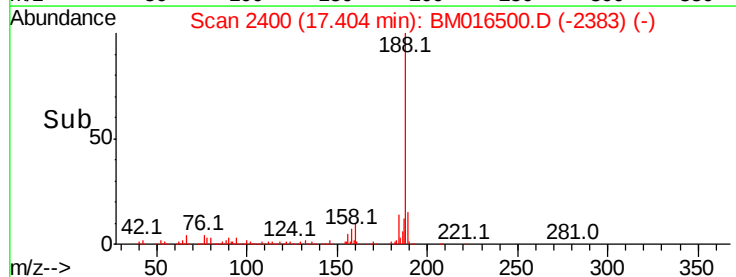
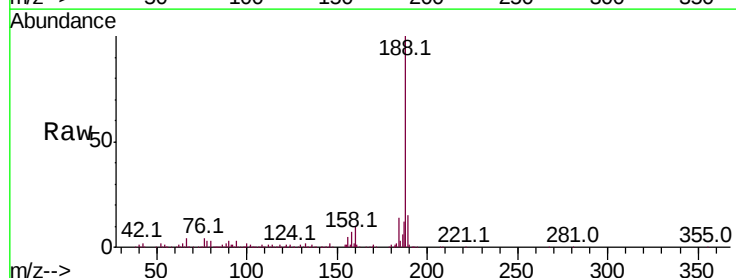
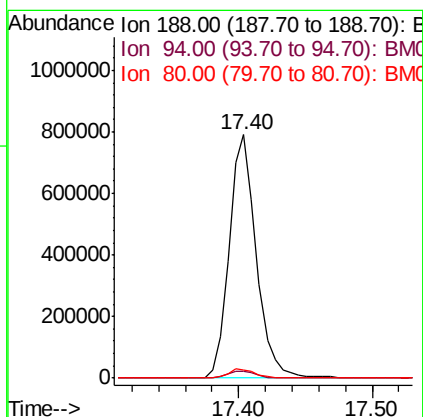
Delta R.T. 0.00 min

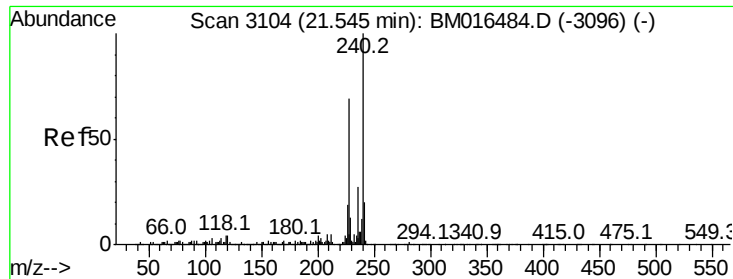
Lab File: BM016500.D

Acq: 22 Aug 2018 01:06

Tgt Ion:188 Resp: 1121786

Ion	Ratio	Lower	Upper
188	100		
94	2.8	8.7	13.1#
80	3.4	9.3	13.9#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.54 min Scan# 3104

Delta R.T. 0.00 min

Lab File: BM016500.D

Acq: 22 Aug 2018 01:06

Instrument :

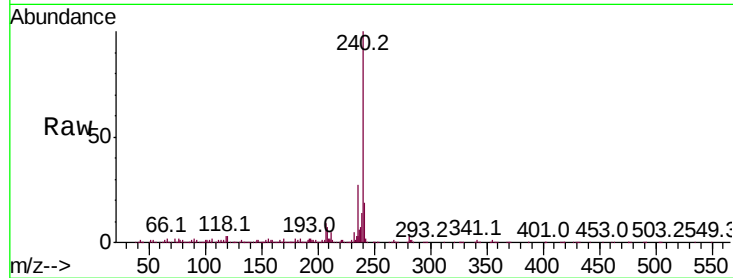
BNA_M

ClientSampleId :

CB-0818-S-TCLP-GRID61-2

Tot Ion:240 Resp: 1378542

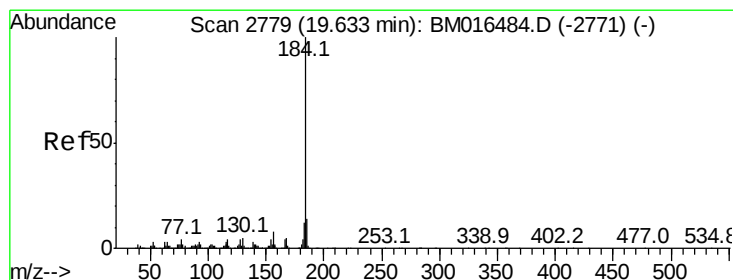
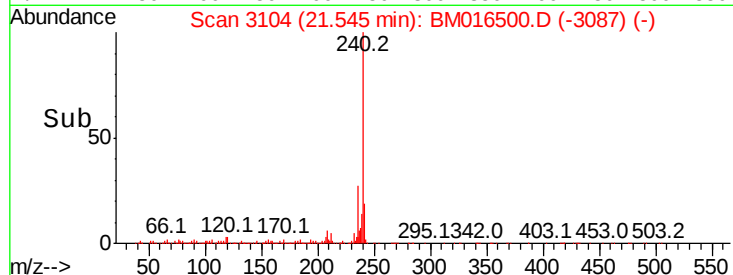
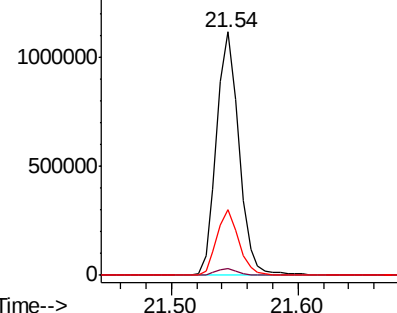
Ion	Ratio	Lower	Upper
240	100		
120	2.6	8.2	12.2#
236	27.1	20.0	30.0



Abundance Ion 240.00 (239.70 to 240.70): E

1500000 Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 3.135 ng

RT: 19.64 min Scan# 2781

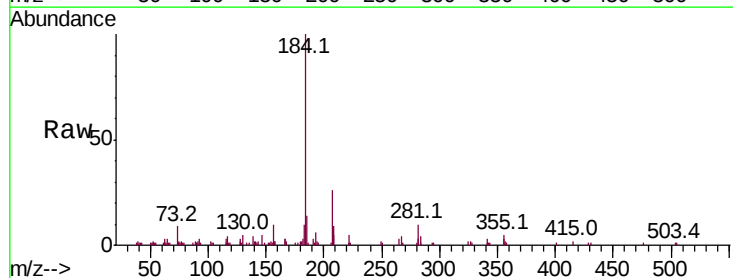
Delta R.T. 0.01 min

Lab File: BM016500.D

Acq: 22 Aug 2018 01:06

Tgt Ion:184 Resp: 83100

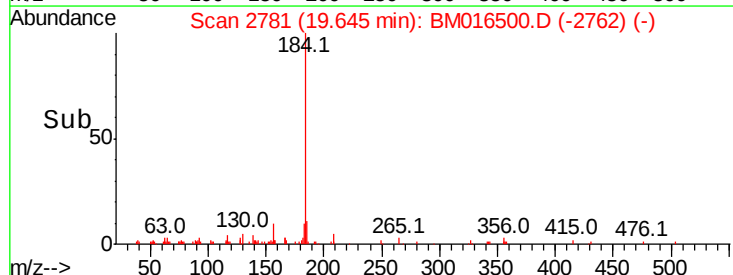
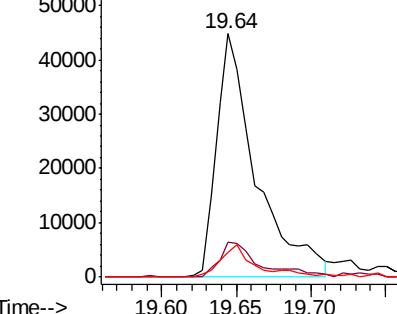
Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.3	16.9
183	10.3	8.9	13.3

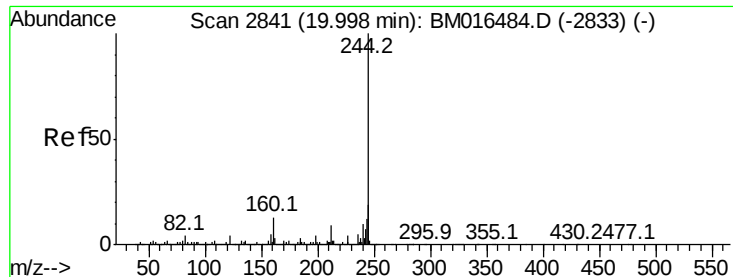


Abundance Ion 184.00 (183.70 to 184.70): E

60000 Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: Below na

RT: 19.99 min Scan# 2840

Delta R.T. -0.01 min

Lab File: BM016500.D

Acq: 22 Aug 2018 01:06

Instrument :

BNA_M

ClientSampleId :

CB-0818-S-TCLP-GRID61-2

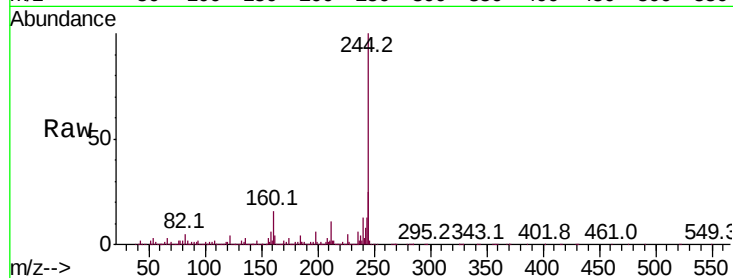
Tot Ion:244 Resp:10651286

Ion Ratio Lower Upper

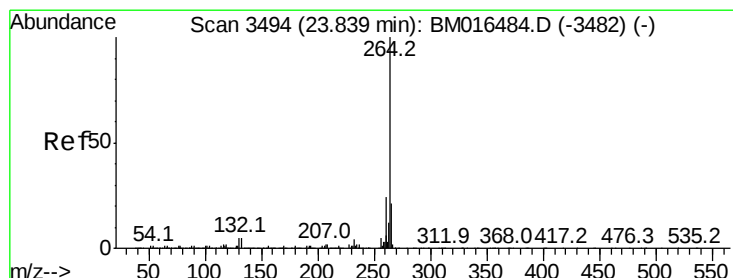
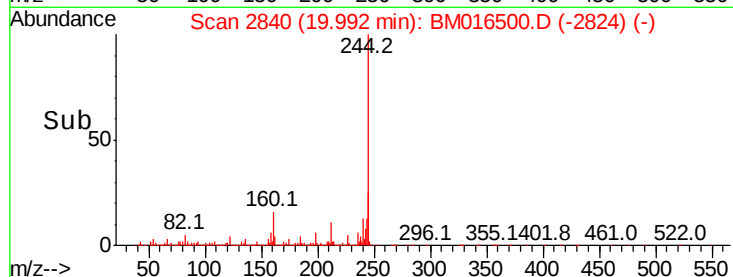
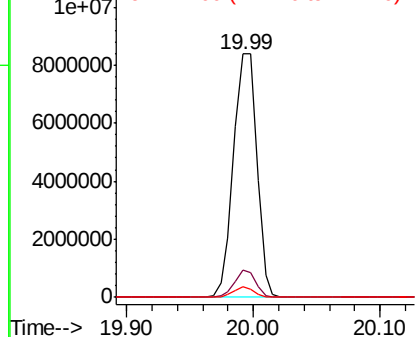
244 100

212 11.4 4.9 7.3#

122 4.5 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: 23.83 min Scan# 3493

Delta R.T. -0.01 min

Lab File: BM016500.D

Acq: 22 Aug 2018 01:06

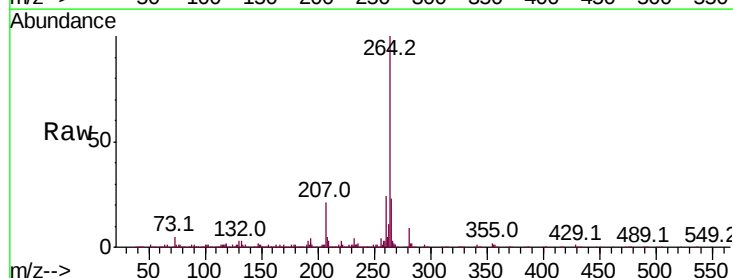
Tgt Ion:264 Resp: 1519958

Ion Ratio Lower Upper

264 100

260 24.0 18.6 27.8

265 23.4 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

