

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082118\
 Data File : BM016499.D
 Acq On : 22 Aug 2018 00:30
 Operator : SJ/JU
 Sample : J4271-12
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 HR-06-082018-B

Quant Time: Aug 22 01:29:52 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

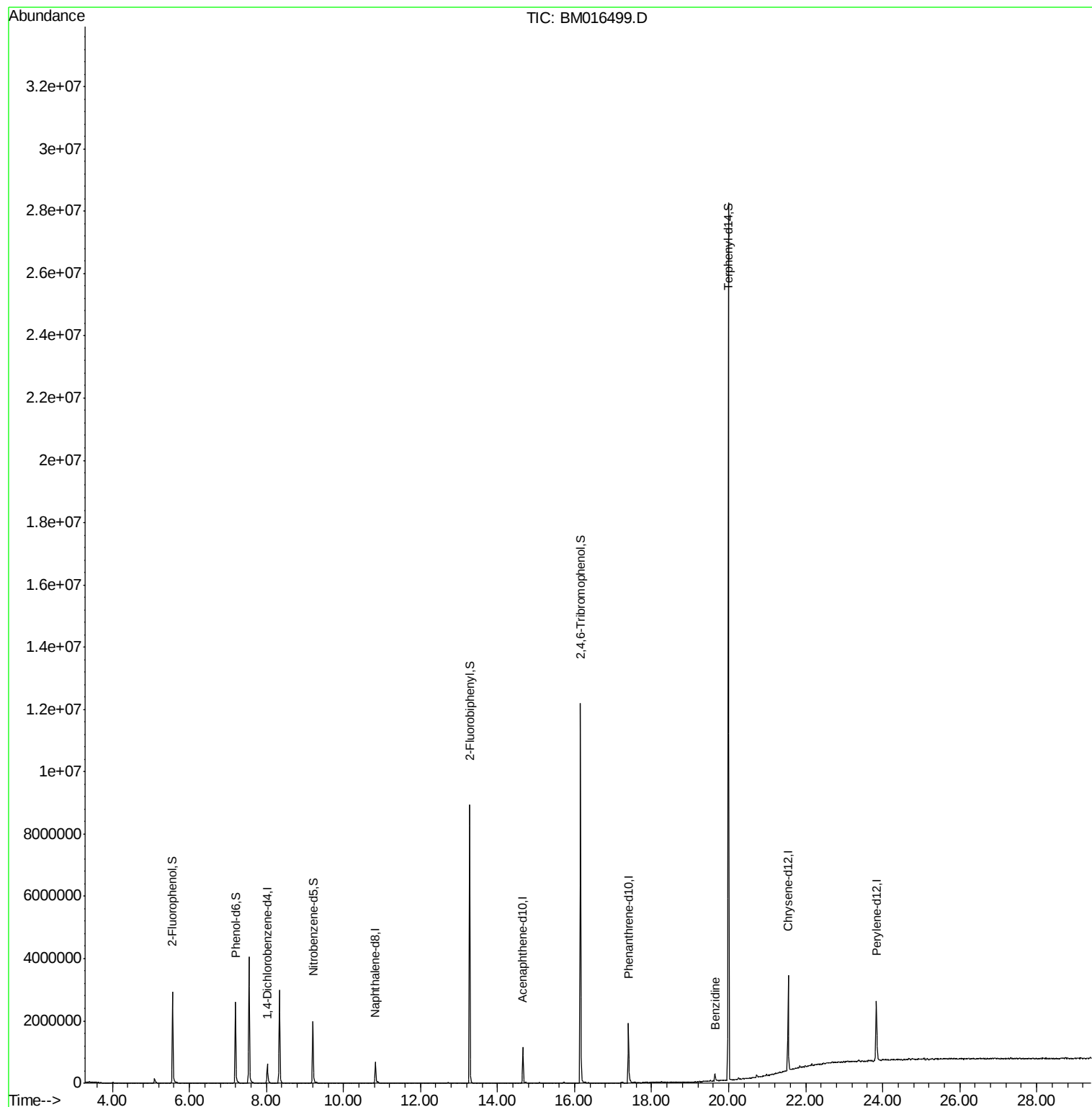
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	136954	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	442552	20.00	ng	0.00
38) Acenaphthene-d10	14.66	164	335560	20.00	ng	0.00
63) Phenanthrene-d10	17.40	188	1077881	20.00	ng	0.00
75) Chrysene-d12	21.54	240	1374263	20.00	ng	0.00
86) Perylene-d12	23.83	264	1512960	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	952960	136.35	ng	0.00
7) Phenol-d6	7.20	99	1072081	115.92	ng	0.00
23) Nitrobenzene-d5	9.21	82	1109094	114.43	ng	0.00
41) 2,4,6-Tribromophenol	16.16	330	2082372	221.99	ng	0.00
44) 2-Fluorobiphenyl	13.28	172	3984620	114.14	ng	0.00
78) Terphenyl-d14	19.99	244	10445876	160.88	ng	0.00
Target Compounds						
76) Benzidine	19.64	184	159854	6.049	ng	Qvalue 96

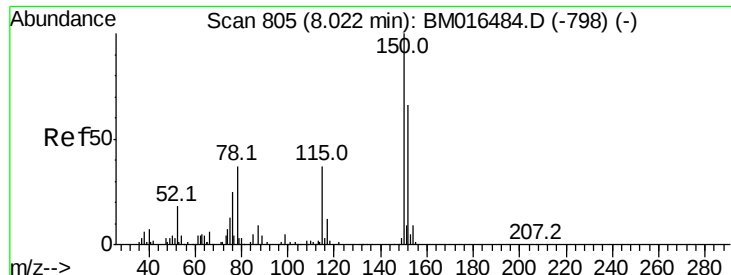
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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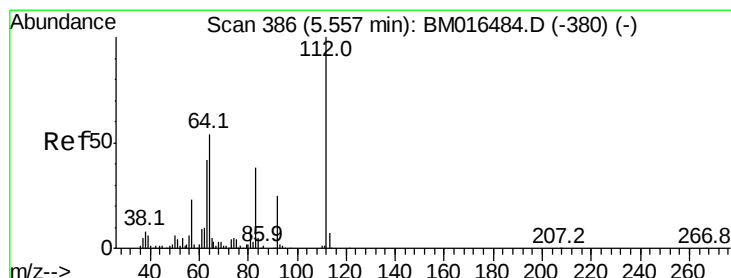
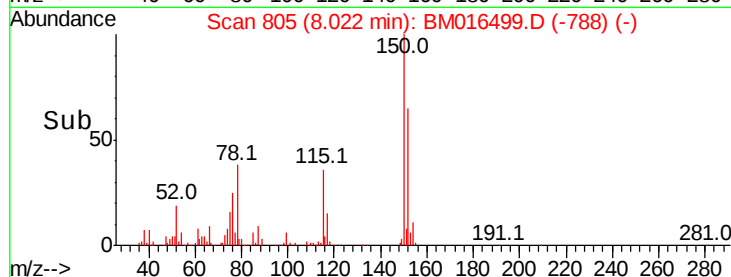
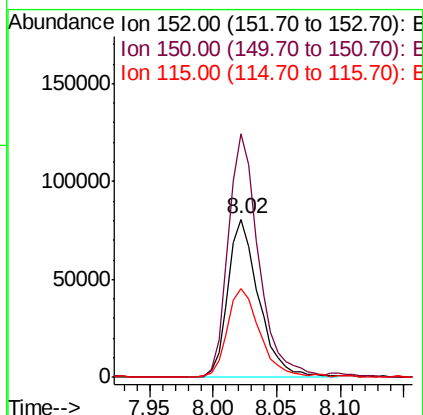
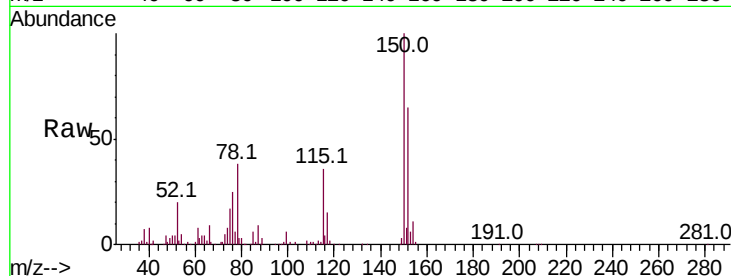


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 805
Delta R.T. -0.00 min
Lab File: BM016499.D
Acq: 22 Aug 2018 00:30

Instrument :
BNA_M
ClientSampleId :
HR-06-082018-B

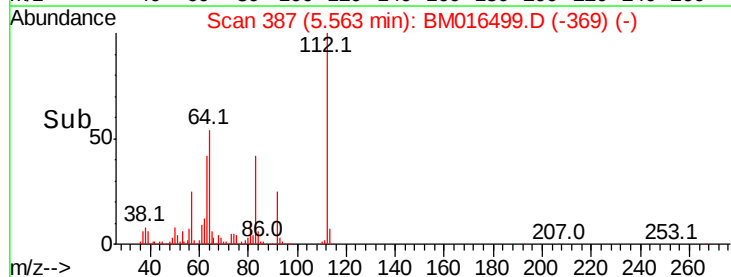
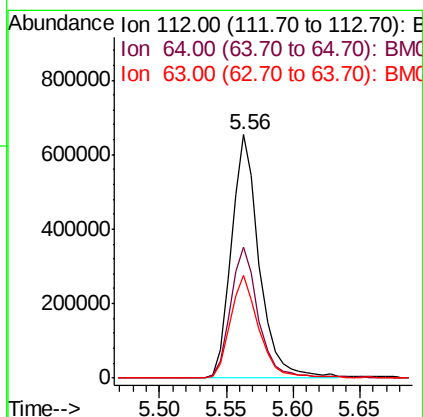
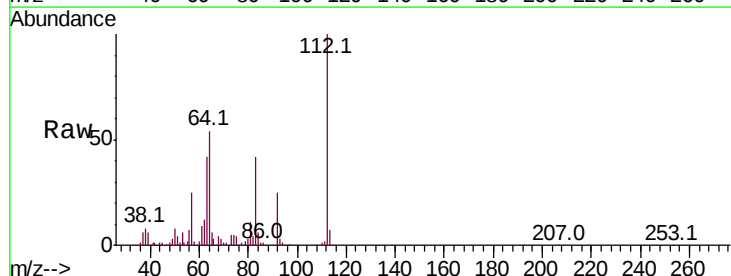
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	119.5	179.3
115	55.8	43.0	64.4

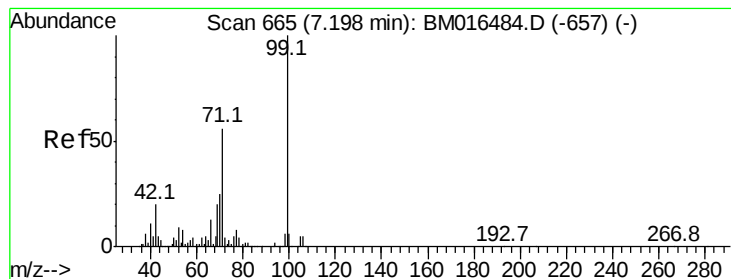


#5

2-Fluorophenol
Concen: Below ng
RT: 5.56 min Scan# 387
Delta R.T. 0.01 min
Lab File: BM016499.D
Acq: 22 Aug 2018 00:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	38.6	57.8
63	42.2	19.3	28.9





#7

Phenol-d6

Concen: N.D. ng

RT: 7.20 min Scan# 665

Delta R.T. -0.00 min

Lab File: BM016499.D

Acq: 22 Aug 2018 00:30

Instrument :

BNA_M

ClientSampleId :

HR-06-082018-B

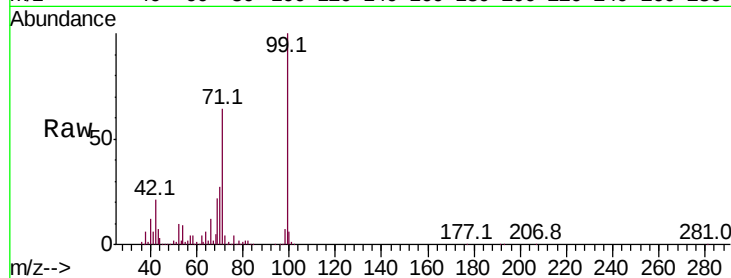
Tot Ion: 99 Resp: 1072081

Ion Ratio Lower Upper

99 100

42 21.1 11.0 16.4#

71 63.9 23.4 35.2#

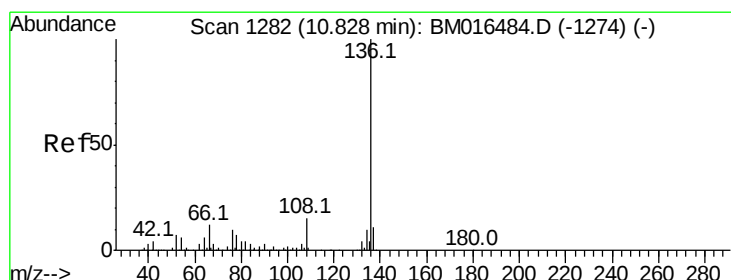
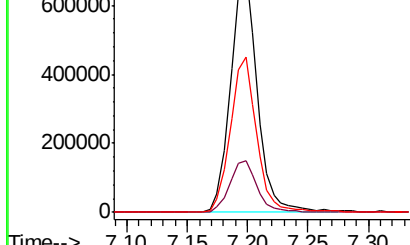
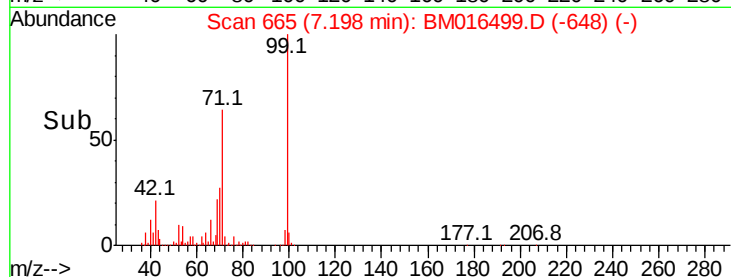


Abundance Ion 99.00 (98.70 to 99.70): BM016484.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM016484.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM016484.D (-657) (-)

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1282

Delta R.T. -0.00 min

Lab File: BM016499.D

Acq: 22 Aug 2018 00:30

Tgt Ion: 136 Resp: 442552

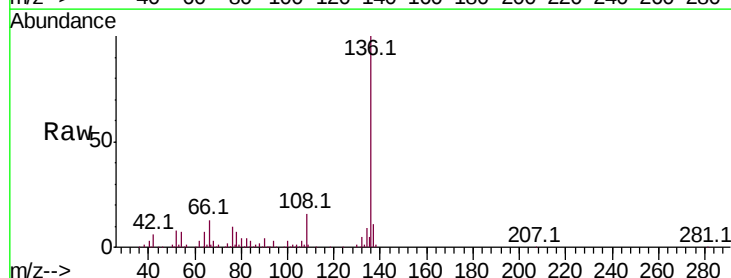
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 6.9 4.6 6.8#

68 2.8 3.7 5.5#



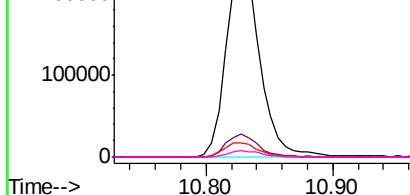
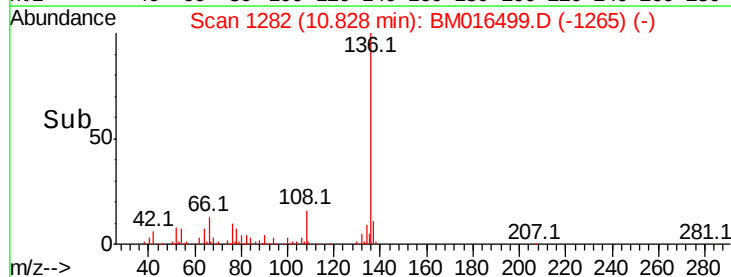
Abundance Ion 136.00 (135.70 to 136.70): BM016484.D (-1274) (-)

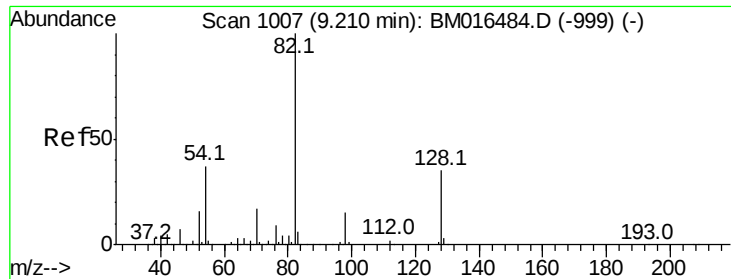
Ion 137.00 (136.70 to 137.70): BM016484.D (-1274) (-)

Ion 54.00 (53.70 to 54.70): BM016484.D (-1274) (-)

Ion 68.00 (67.70 to 68.70): BM016484.D (-1274) (-)

Time-->

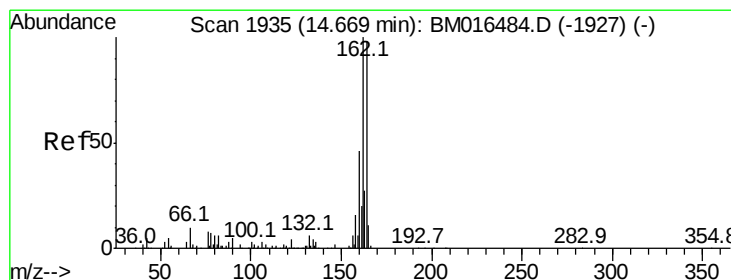
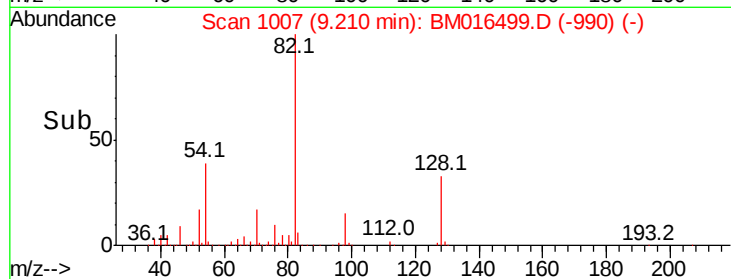
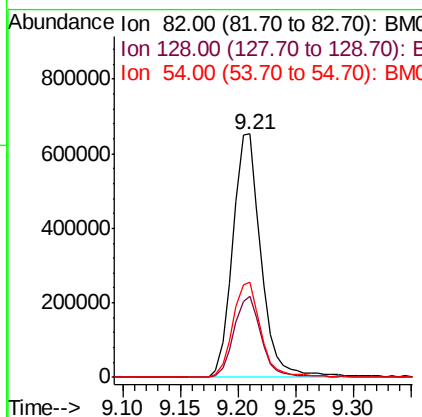
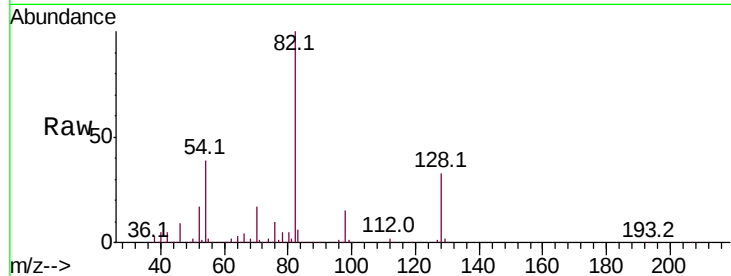




#23
 Nitrobenzene-d5
 Concen: Below na
 RT: 9.21 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: BM016499.D
 Acq: 22 Aug 2018 00:30

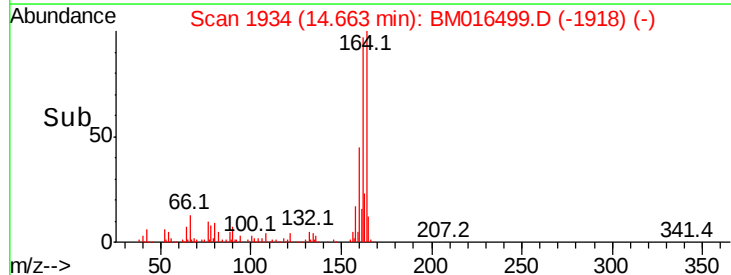
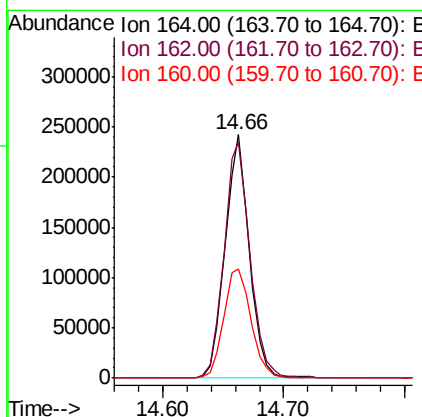
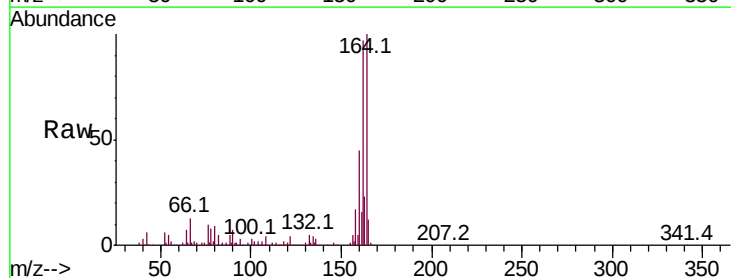
Instrument :
 BNA_M
 ClientSampleId :
 HR-06-082018-B

Tot Ion: 82 Resp: 1109094
 Ion Ratio Lower Upper
 82 100
 128 33.1 32.8 49.2
 54 39.2 40.6 60.8#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1934
 Delta R.T. -0.01 min
 Lab File: BM016499.D
 Acq: 22 Aug 2018 00:30

Tgt Ion:164 Resp: 335560
 Ion Ratio Lower Upper
 164 100
 162 96.8 82.4 123.6
 160 44.7 35.8 53.6

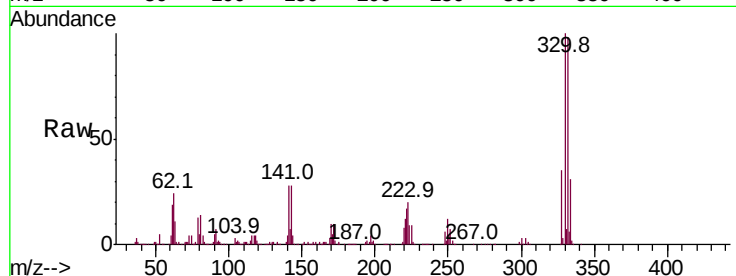




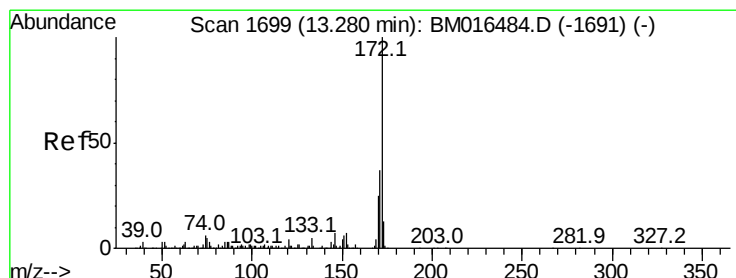
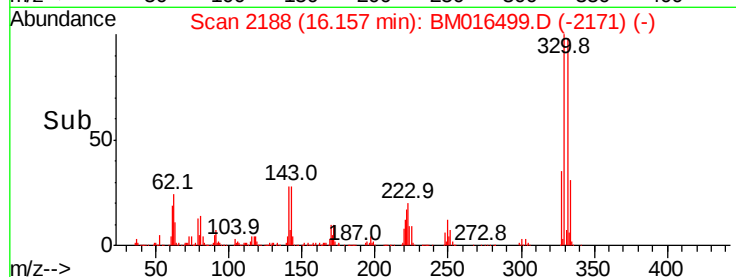
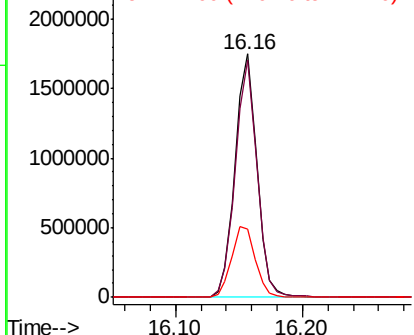
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.16 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: BM016499.D
 Acq: 22 Aug 2018 00:30

Instrument :
 BNA_M
 ClientSampleId :
 HR-06-082018-B

Tot Ion:330 Resp: 2082372
 Ion Ratio Lower Upper
 330 100
 332 96.8 0.0 0.0#
 141 32.0 0.0 0.0#

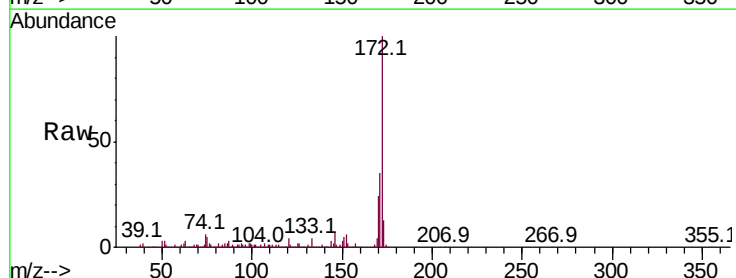


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

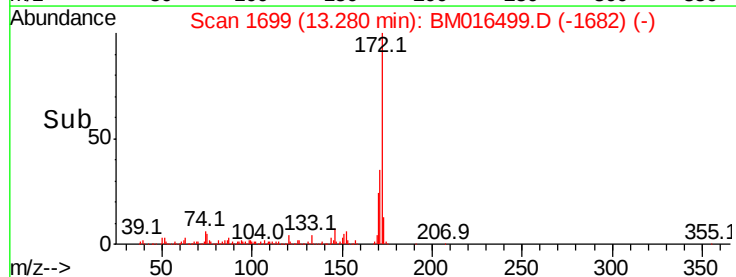
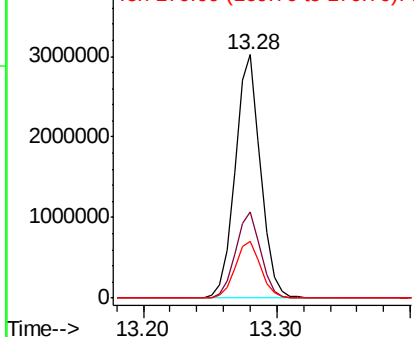


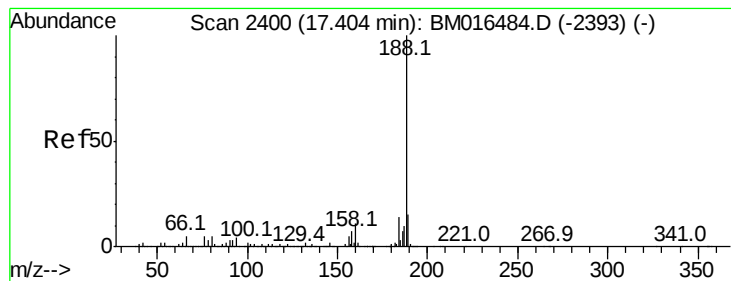
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.28 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: BM016499.D
 Acq: 22 Aug 2018 00:30

Tgt Ion:172 Resp: 3984620
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.5 42.7
 170 23.5 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: 17.40 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BM016499.D

Acq: 22 Aug 2018 00:30

Instrument :

BNA_M

ClientSampleId :

HR-06-082018-B

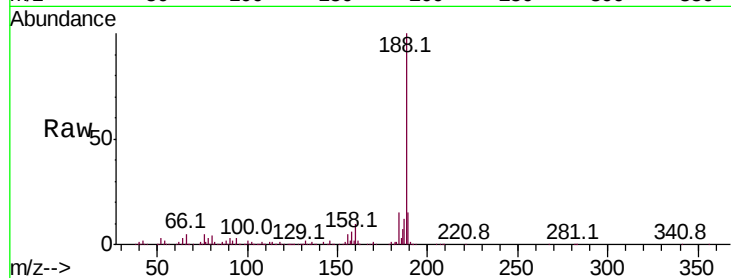
Tot Ion:188 Resp: 1077881

Ion Ratio Lower Upper

188 100

94 3.0 8.7 13.1#

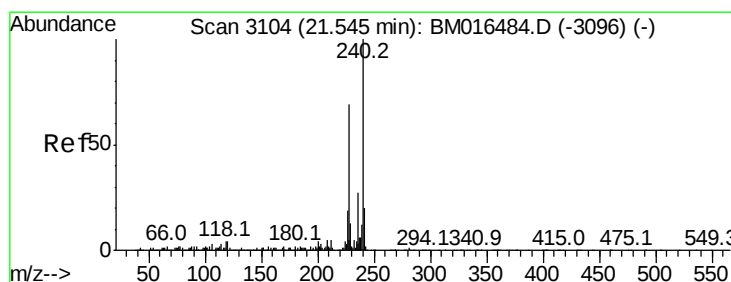
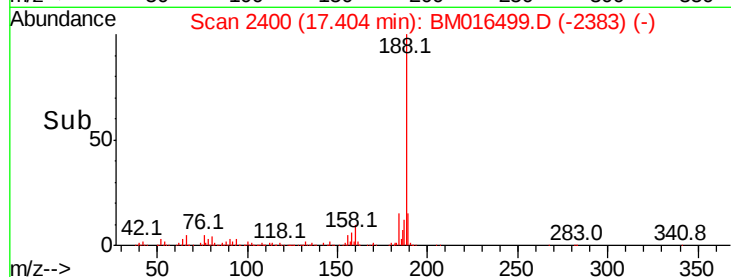
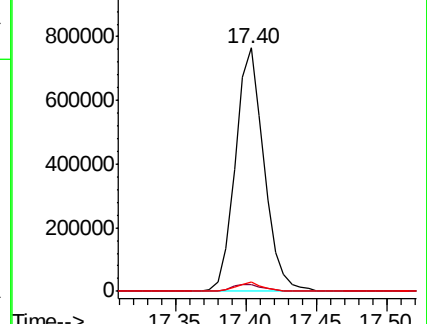
80 4.1 9.3 13.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.54 min Scan# 3104

Delta R.T. -0.00 min

Lab File: BM016499.D

Acq: 22 Aug 2018 00:30

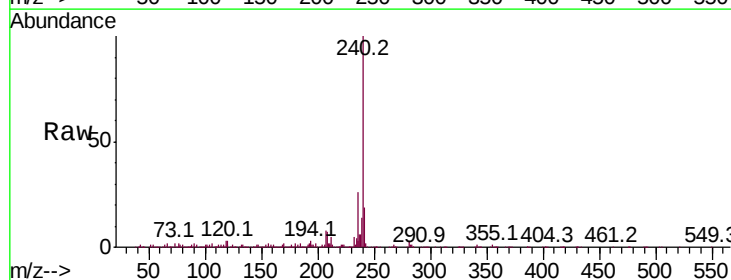
Tgt Ion:240 Resp: 1374263

Ion Ratio Lower Upper

240 100

120 2.8 8.2 12.2#

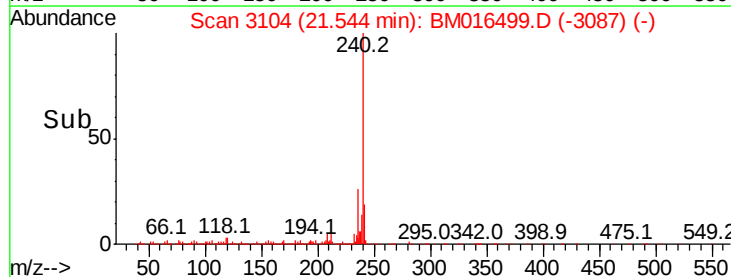
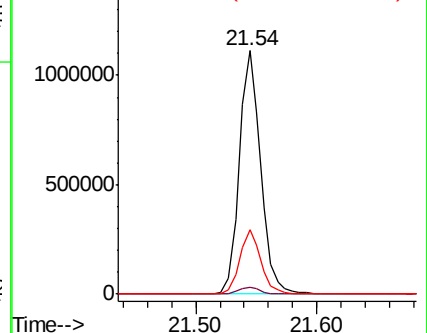
236 26.3 20.0 30.0

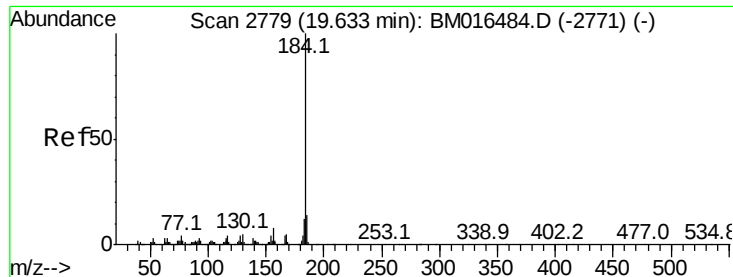


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.049 ng

RT: 19.64 min Scan# 2780

Delta R.T. 0.01 min

Lab File: BM016499.D

Acq: 22 Aug 2018 00:30

Instrument :

BNA_M

ClientSampleId :

HR-06-082018-B

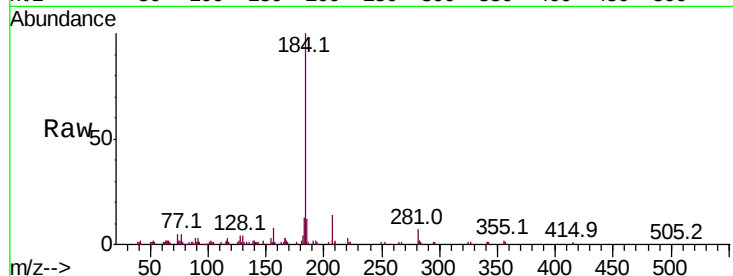
Tot Ion:184 Resp: 159854

Ion Ratio Lower Upper

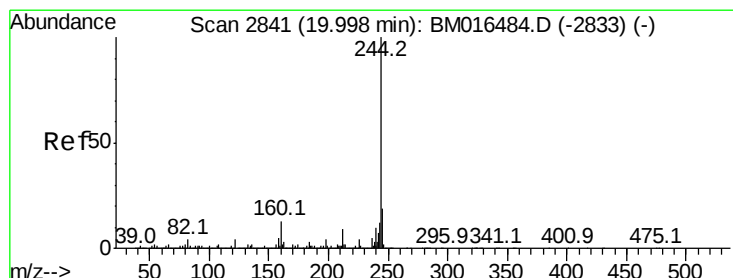
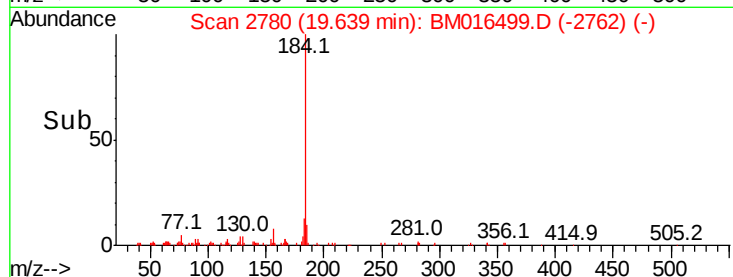
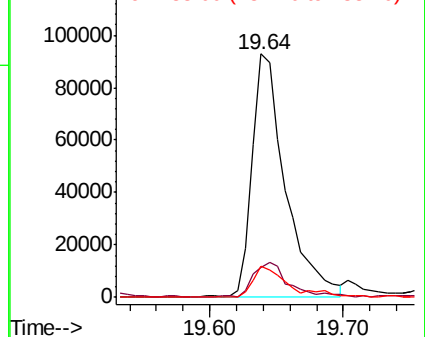
184 100

185 12.4 11.3 16.9

183 12.6 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: Below ng

RT: 19.99 min Scan# 2840

Delta R.T. -0.01 min

Lab File: BM016499.D

Acq: 22 Aug 2018 00:30

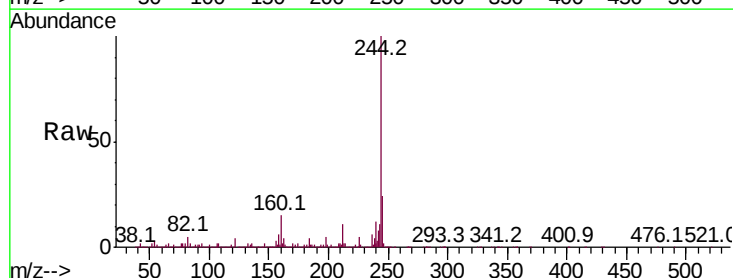
Tgt Ion:244 Resp:10445876

Ion Ratio Lower Upper

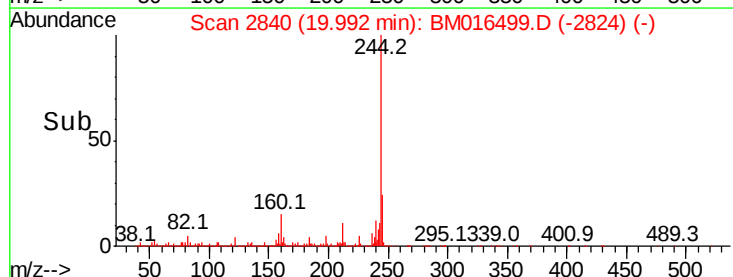
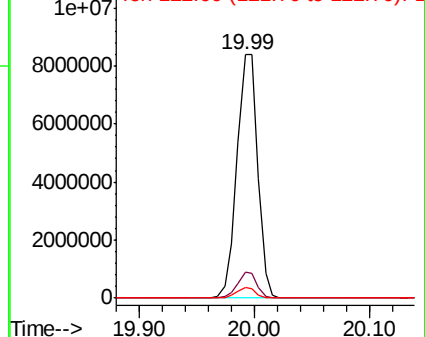
244 100

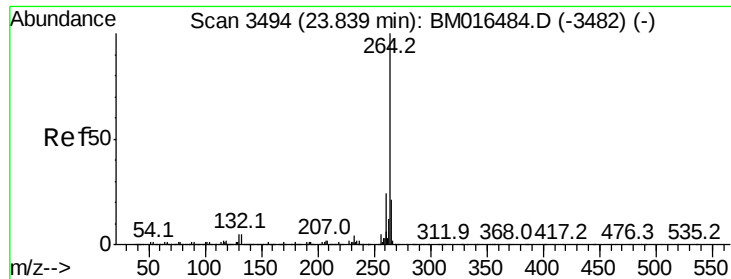
212 10.6 4.9 7.3#

122 4.2 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
Pervlene-d12
Concen: 20.000 ng
RT: 23.83 min Scan# 3493
Delta R.T. -0.01 min
Lab File: BM016499.D
Acq: 22 Aug 2018 00:30

Instrument :
BNA_M
ClientSampleId :
HR-06-082018-B

Tot Ion:264 Resp: 1512960

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	22.4	17.3	25.9

