

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM071018\
 Data File : BM015875.D
 Acq On : 10 Jul 2018 19:32
 Operator : SJ/JU
 Sample : J3914-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B1

Quant Time: Jul 11 03:47:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM070518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 05 17:39:50 2018
 Response via : Initial Calibration

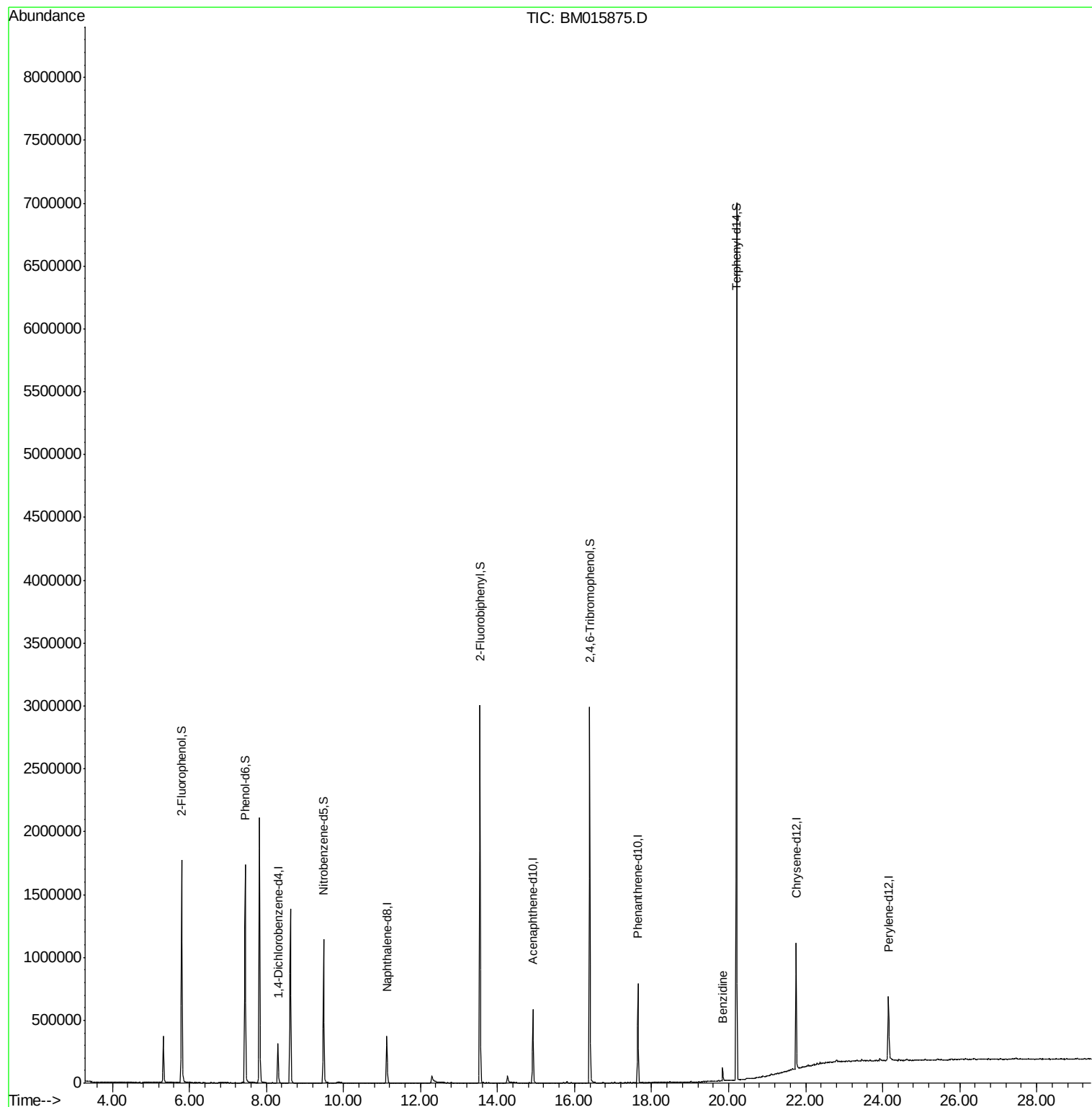
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.30	152	71408	20.00	ng	-0.02
21) Naphthalene-d8	11.12	136	291061	20.00	ng	-0.02
38) Acenaphthene-d10	14.92	164	170832	20.00	ng	-0.02
63) Phenanthrene-d10	17.64	188	407260	20.00	ng	-0.01
75) Chrysene-d12	21.75	240	396551	20.00	ng	-0.02
86) Perylene-d12	24.15	264	348942	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	625613	150.25	ng	-0.02
7) Phenol-d6	7.45	99	767182	134.59	ng	-0.01
23) Nitrobenzene-d5	9.49	82	583283	97.78	ng	-0.02
41) 2,4,6-Tribromophenol	16.40	330	371826	166.58	ng	-0.02
44) 2-Fluorobiphenyl	13.55	172	1279577	92.99	ng	-0.02
78) Terphenyl-d14	20.21	244	2665240	124.67	ng	-0.01
Target Compounds						
76) Benzidine	19.84	184	61631	5.305	ng	Qvalue 98

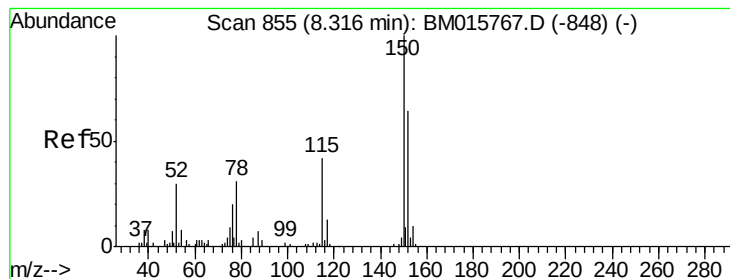
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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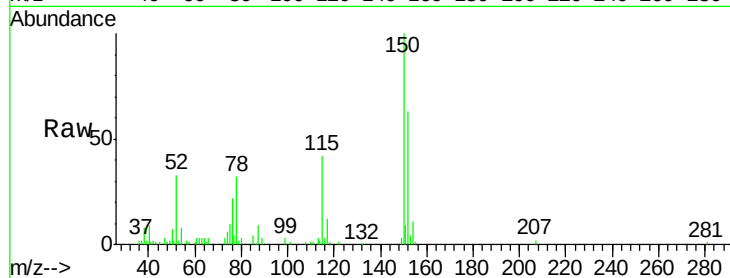


#1

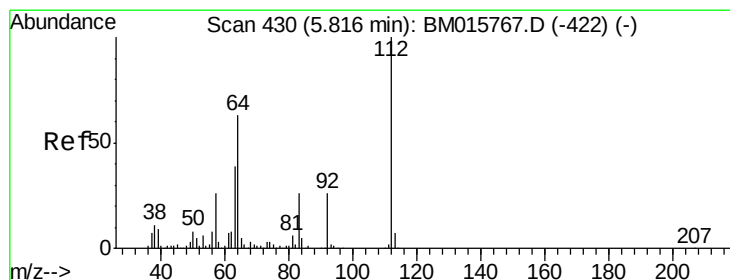
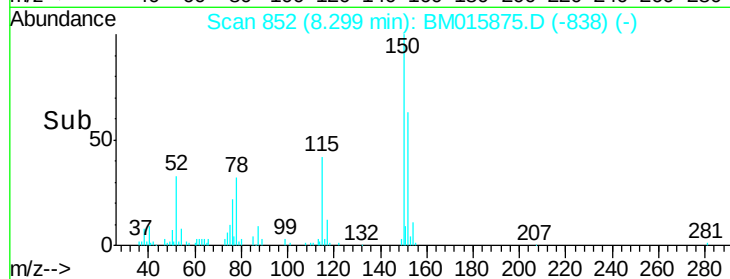
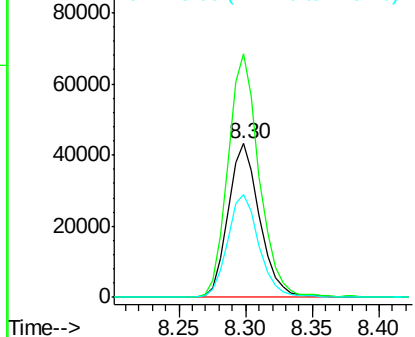
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.30 min Scan# 852
Delta R.T. -0.02 min
Lab File: BM015875.D
Acq: 10 Jul 2018 19:32

Instrument :
BNA_M
ClientSampleId :
B1

Tgt Ion:152 Resp: 71408
Ion Ratio Lower Upper
152 100
150 158.1 119.5 179.3
115 66.9 43.0 64.4#



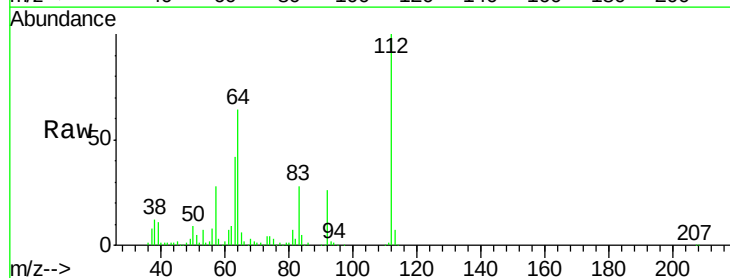
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



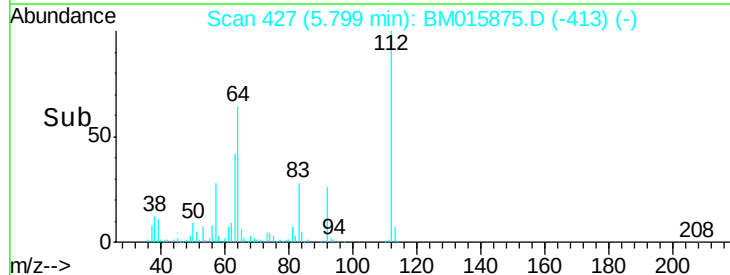
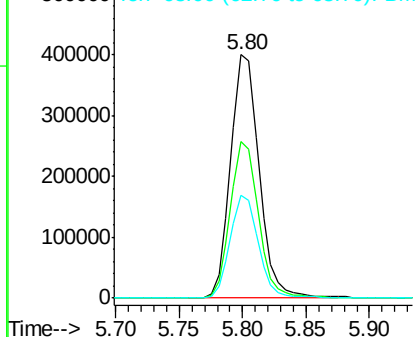
#5

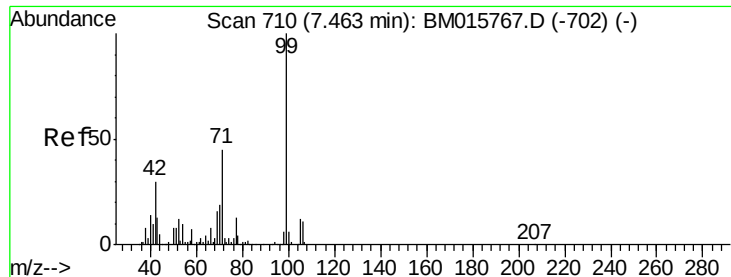
2-Fluorophenol
Concen: Below ng
RT: 5.80 min Scan# 427
Delta R.T. -0.02 min
Lab File: BM015875.D
Acq: 10 Jul 2018 19:32

Tgt Ion:112 Resp: 625613
Ion Ratio Lower Upper
112 100
64 64.2 38.6 57.8#
63 42.0 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: 7.45 min Scan# 708

Delta R.T. -0.01 min

Lab File: BM015875.D

Acq: 10 Jul 2018 19:32

Instrument :

BNA_M

ClientSampleId :

B1

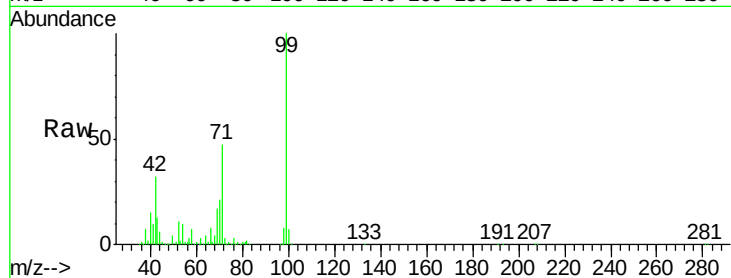
Tgt Ion: 99 Resp: 767182

Ion Ratio Lower Upper

99 100

42 32.0 11.0 16.4#

71 47.0 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM015875.D (-693) (-)

Ion 42.00 (41.70 to 42.70): BM015875.D (-693) (-)

Ion 71.00 (70.70 to 71.70): BM015875.D (-693) (-)

600000

500000

400000

300000

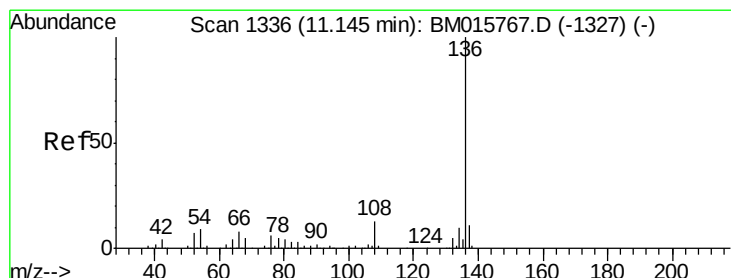
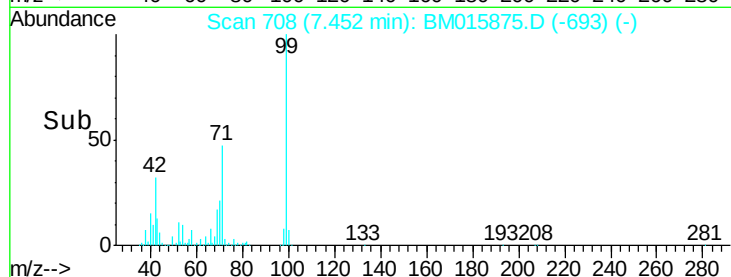
200000

100000

0

7.35 7.40 7.45 7.50 7.55

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.12 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BM015875.D

Acq: 10 Jul 2018 19:32

Tgt Ion: 136 Resp: 291061

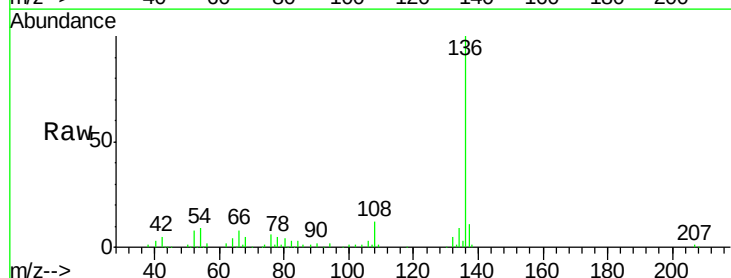
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 9.1 4.6 6.8#

68 4.7 3.7 5.5



Abundance Ion 136.00 (135.70 to 136.70): BM015875.D (-1319) (-)

Ion 137.00 (136.70 to 137.70): BM015875.D (-1319) (-)

Ion 54.00 (53.70 to 54.70): BM015875.D (-1319) (-)

Ion 68.00 (67.70 to 68.70): BM015875.D (-1319) (-)

250000

200000

150000

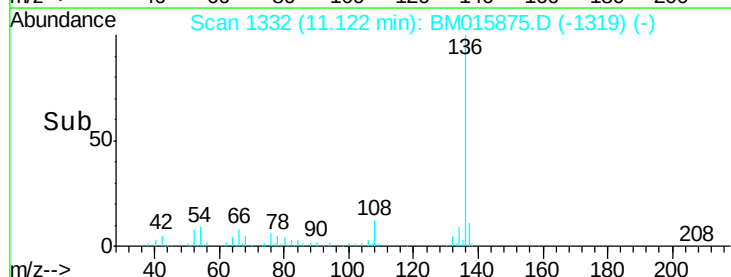
100000

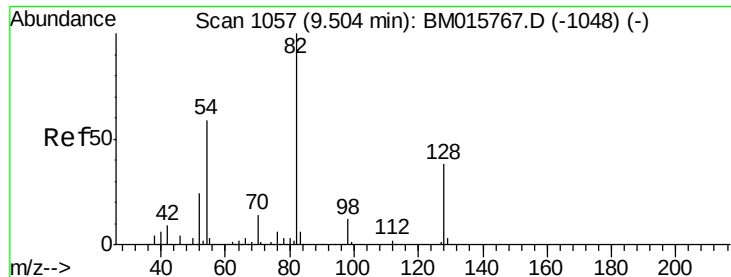
50000

0

11.10 11.12 11.20

Time-->

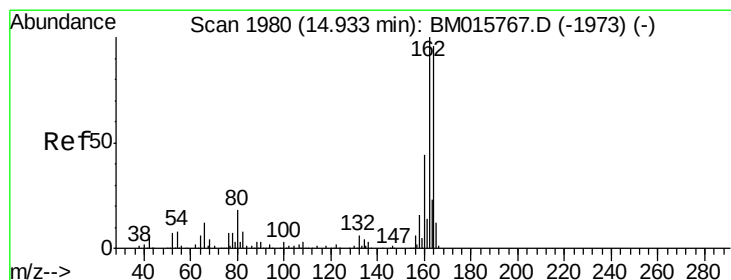
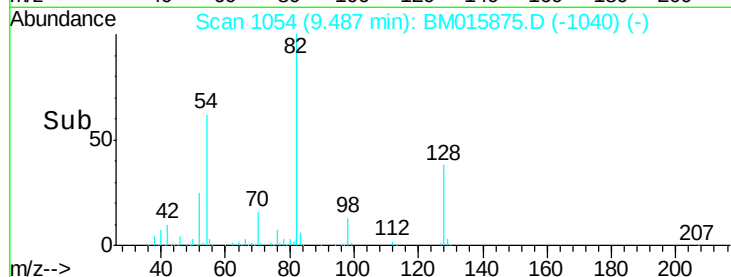
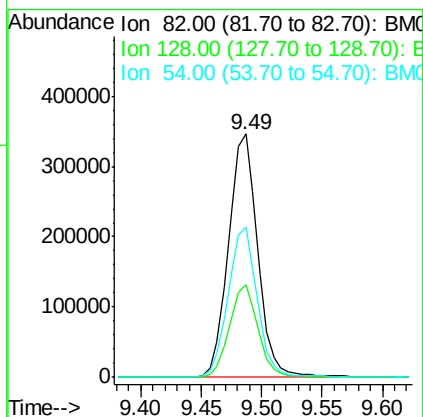
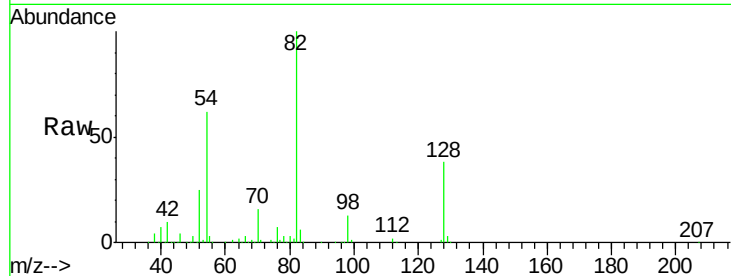




#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.49 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BM015875.D
Acq: 10 Jul 2018 19:32

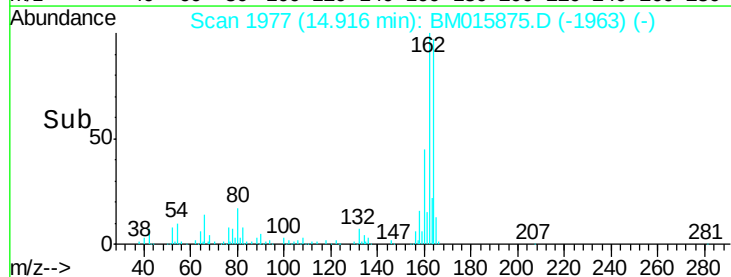
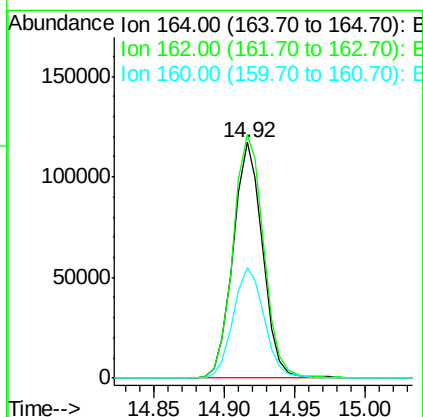
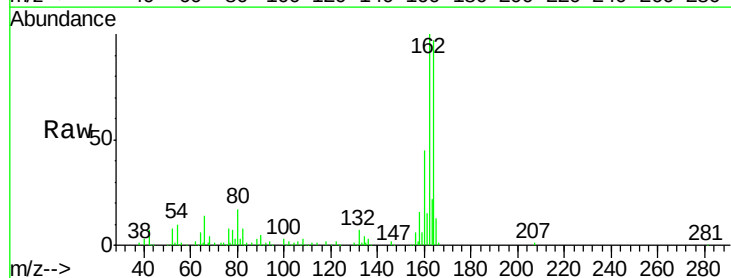
Instrument :
BNA_M
ClientSampleId :
B1

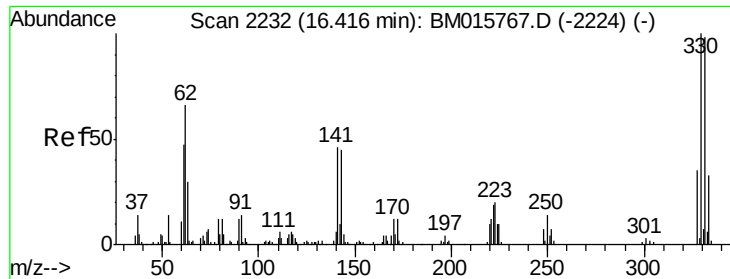
Tgt Ion	Ratio	Lower	Upper
82	100		
128	38.3	32.8	49.2
54	61.9	40.6	60.8



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.92 min Scan# 1977
Delta R.T. -0.02 min
Lab File: BM015875.D
Acq: 10 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.4	123.6
160	46.9	35.8	53.6

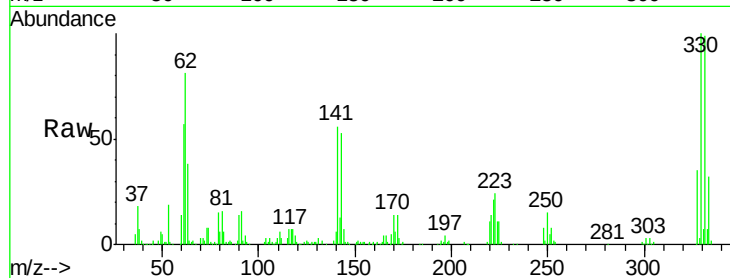




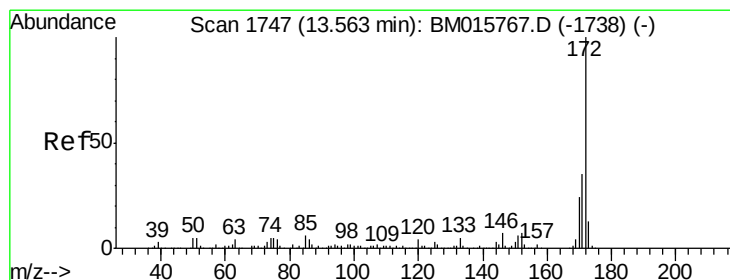
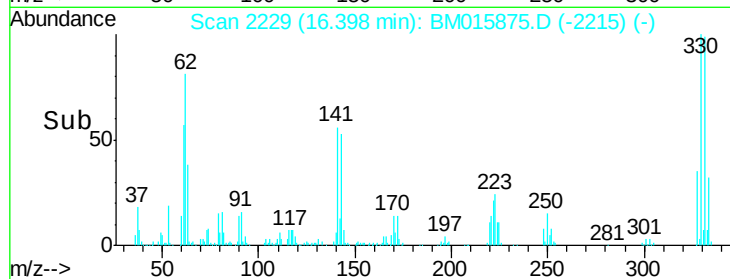
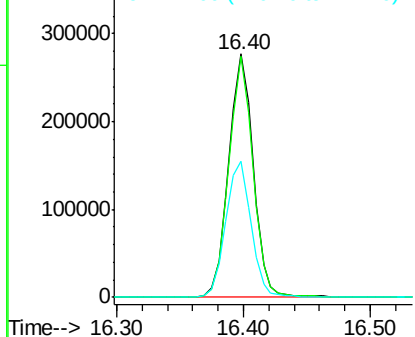
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.40 min Scan# 2229
 Delta R.T. -0.02 min
 Lab File: BM015875.D
 Acq: 10 Jul 2018 19:32

Instrument :
 BNA_M
 ClientSampleId :
 B1

Tgt Ion:330 Resp: 371826
 Ion Ratio Lower Upper
 330 100
 332 96.9 0.0 0.0#
 141 57.8 0.0 0.0#

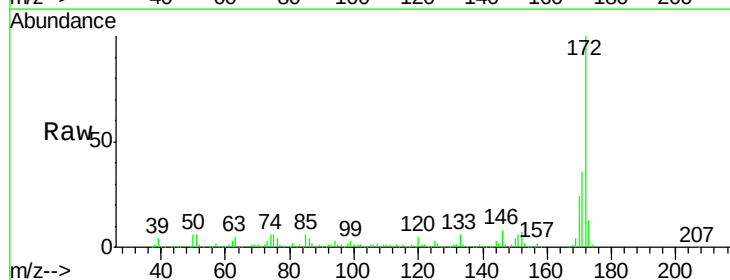


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

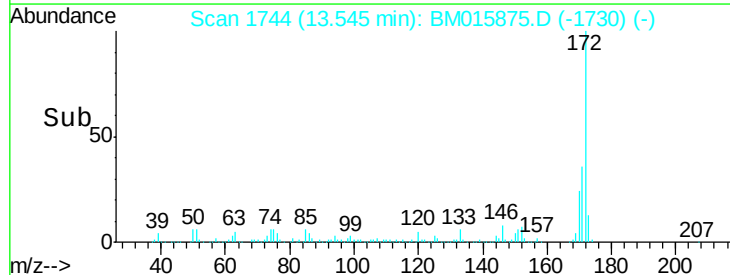
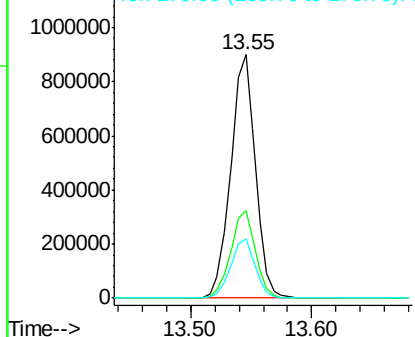


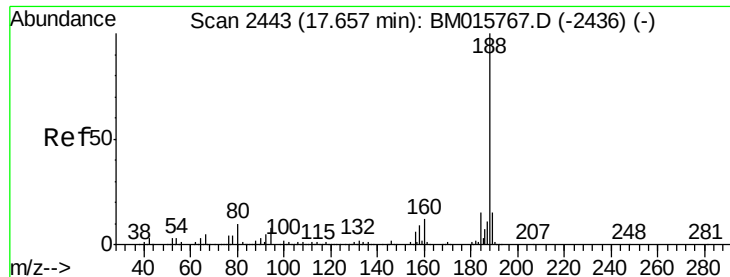
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.55 min Scan# 1744
 Delta R.T. -0.02 min
 Lab File: BM015875.D
 Acq: 10 Jul 2018 19:32

Tgt Ion:172 Resp: 1279577
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.5 42.7
 170 24.3 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

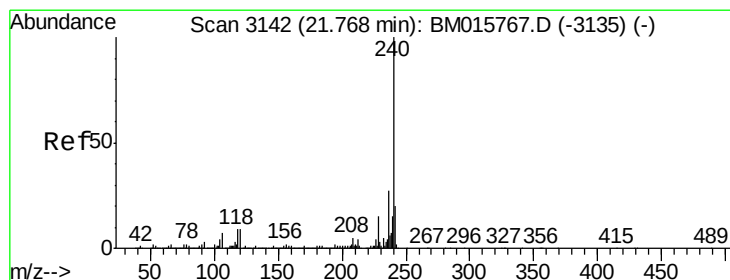
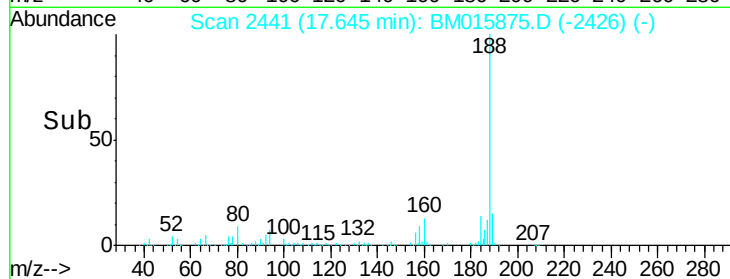
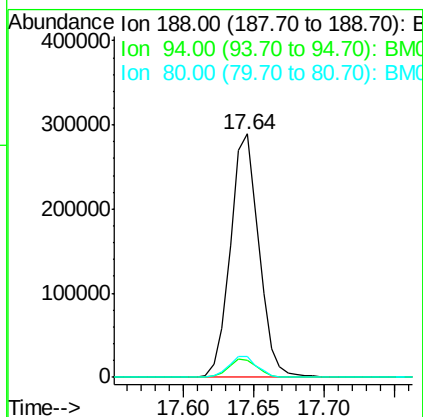
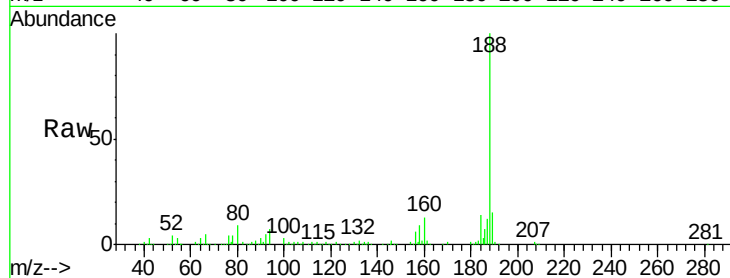




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.64 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BM015875.D
Acq: 10 Jul 2018 19:32

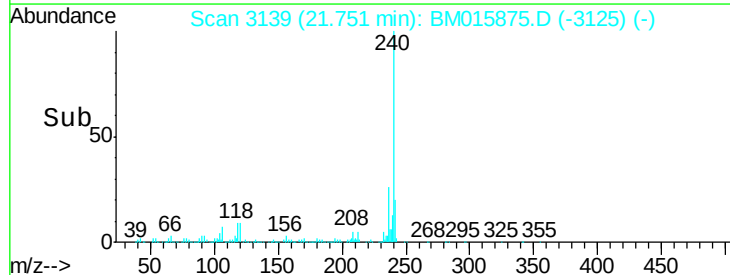
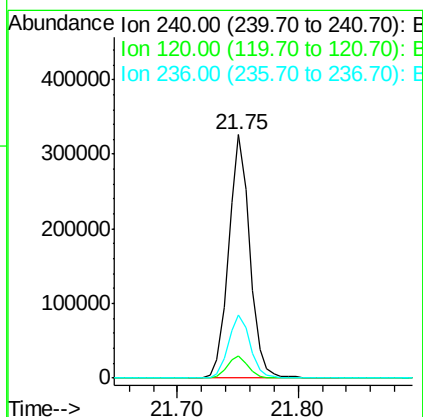
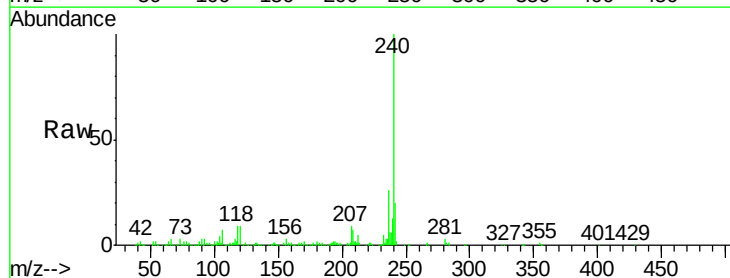
Instrument :
BNA_M
ClientSampleId :
B1

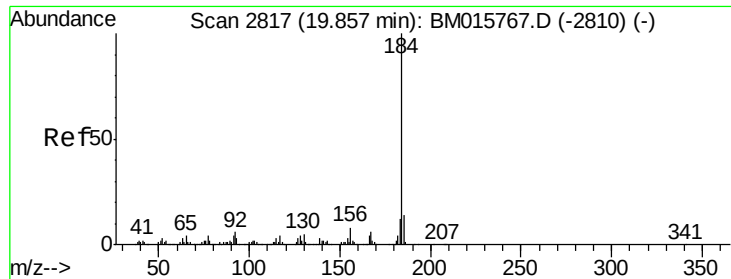
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.2	8.7	13.1#
80	8.8	9.3	13.9#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3139
Delta R.T. -0.02 min
Lab File: BM015875.D
Acq: 10 Jul 2018 19:32

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.2	12.2
236	26.2	20.0	30.0





#76

Benzidine

Concen: 5.305 ng

RT: 19.84 min Scan# 2815

Delta R.T. -0.01 min

Lab File: BM015875.D

Acq: 10 Jul 2018 19:32

Instrument :

BNA_M

ClientSampled :

B1

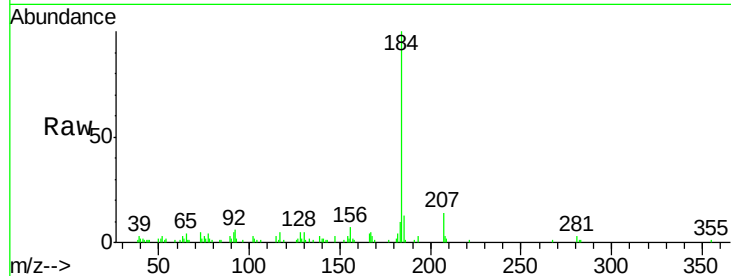
Tgt Ion:184 Resp: 61631

Ion Ratio Lower Upper

184 100

185 13.3 11.3 16.9

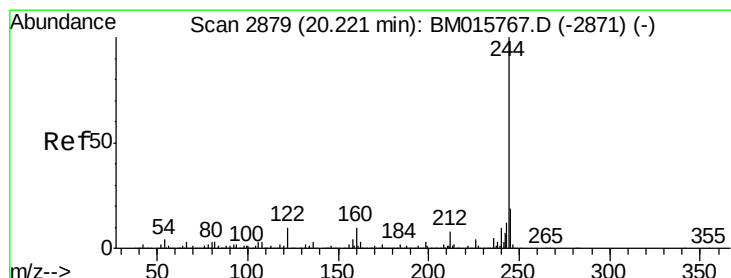
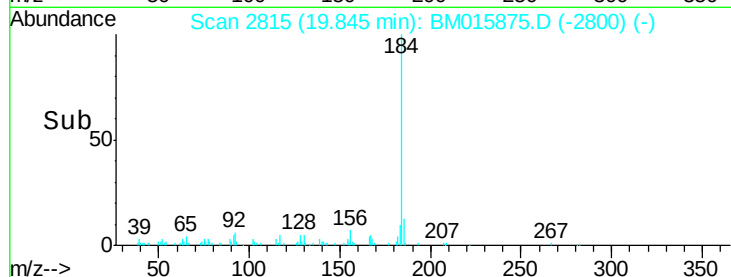
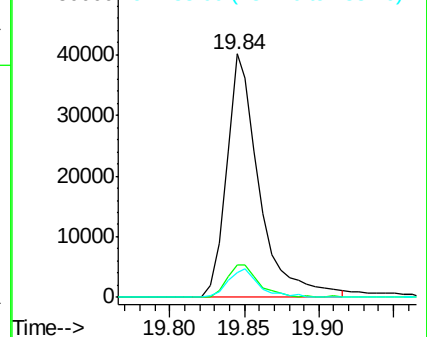
183 10.1 8.9 13.3



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: 20.21 min Scan# 2877

Delta R.T. -0.01 min

Lab File: BM015875.D

Acq: 10 Jul 2018 19:32

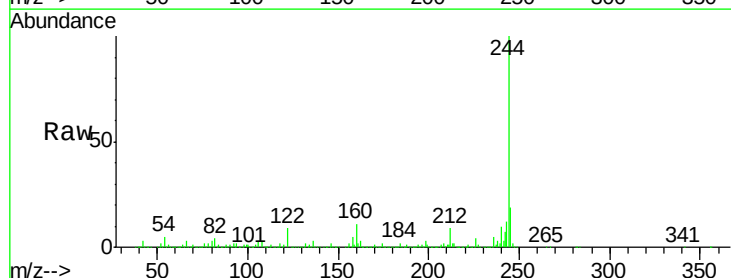
Tgt Ion:244 Resp: 2665240

Ion Ratio Lower Upper

244 100

212 8.6 4.9 7.3#

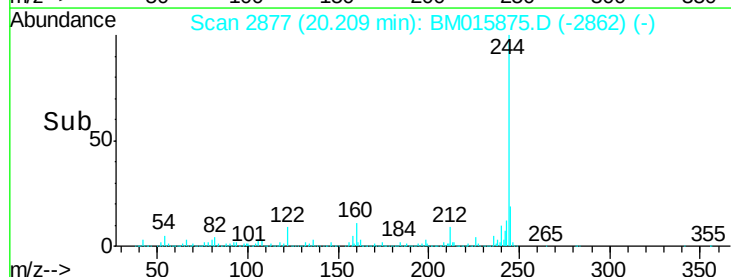
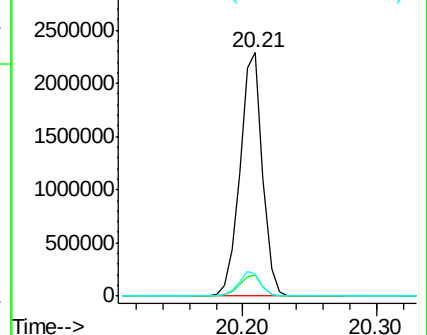
122 9.2 6.2 9.4

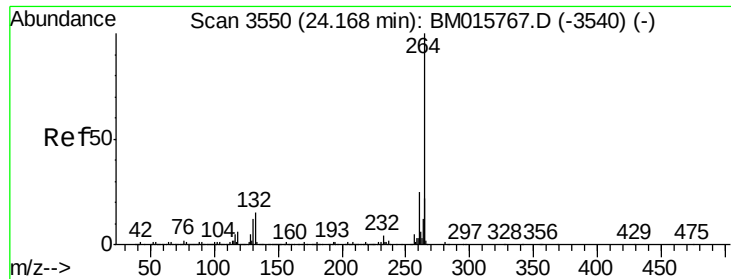


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.15 min Scan# 3547
Delta R.T. -0.02 min
Lab File: BM015875.D
Acq: 10 Jul 2018 19:32

Instrument :
BNA_M
ClientSampleId :
B1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	18.6	27.8
265	21.7	17.3	25.9

