

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080718\
 Data File : BM016236.D
 Acq On : 08 Aug 2018 02:55
 Operator : SJ/JU
 Sample : J4277-03 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-02-080318-B

Quant Time: Aug 08 04:25:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 07 16:15:57 2018
 Response via : Initial Calibration

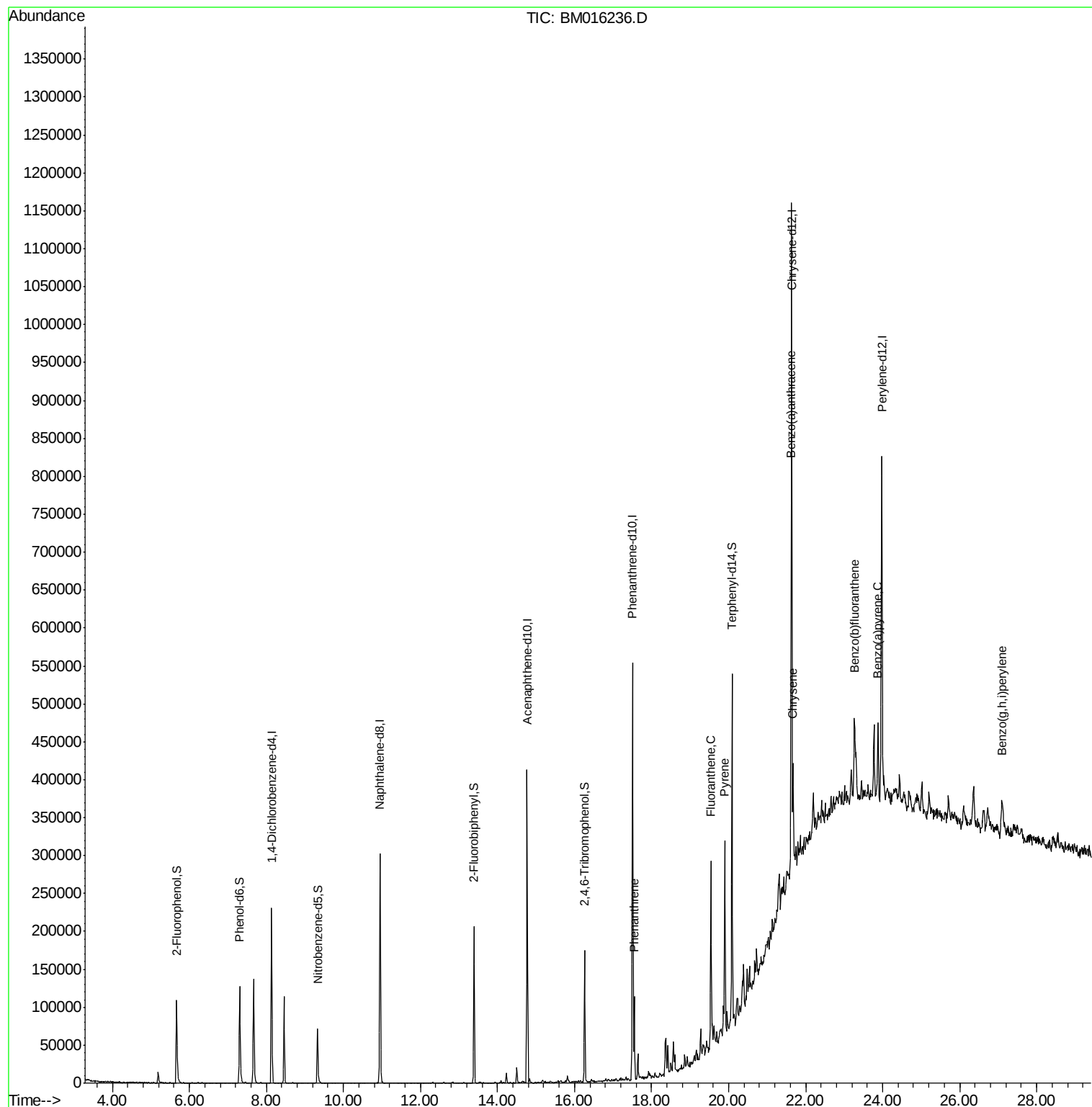
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	48973	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	212757	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	117099	20.00	ng	-0.01
63) Phenanthrene-d10	17.50	188	272805	20.00	ng	0.00
75) Chrysene-d12	21.64	240	315812	20.00	ng	0.00
86) Perylene-d12	23.98	264	271314	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	46115	15.64	ng	0.00
7) Phenol-d6	7.30	99	59438	15.44	ng	0.00
23) Nitrobenzene-d5	9.33	82	41297	9.03	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	19212	12.94	ng	-0.01
44) 2-Fluorobiphenyl	13.39	172	85888	8.92	ng	0.00
78) Terphenyl-d14	20.09	244	148011	9.81	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	17.55	178	57448	3.761	ng	99
74) Fluoranthene	19.54	202	123286	7.236	ng	98
77) Pyrene	19.90	202	121940	6.443	ng	98
80) Benzo(a)anthracene	21.62	228	70865	3.643	ng	97
82) Chrysene	21.67	228	65349	3.502	ng	94
87) Benzo(b)fluoranthene	23.27	252	80275	5.025	ng	97
89) Benzo(a)pyrene	23.87	252	57233	3.727	ng	# 91
91) Benzo(g,h,i)perylene	27.10	276	39625	2.633	ng	96

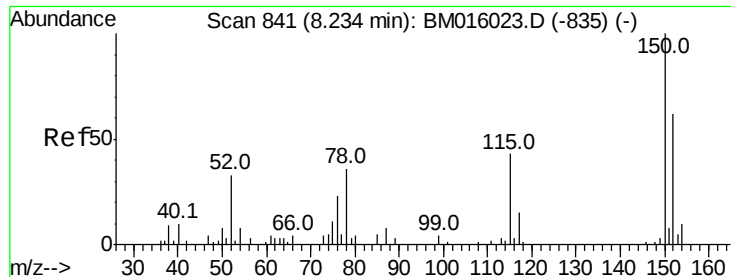
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.13 min Scan# 824

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

Instrument :

BNA_M

ClientSampleId :

OR-02-080318-B

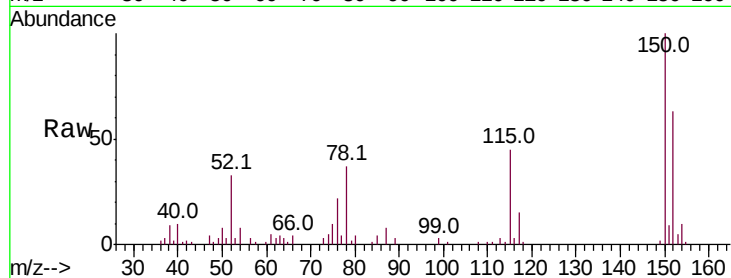
Tot Ion:152 Resp: 48973

Ion Ratio Lower Upper

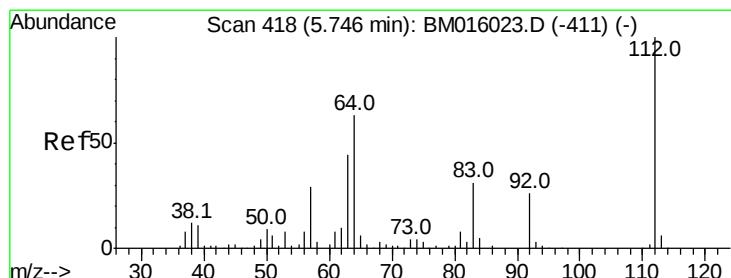
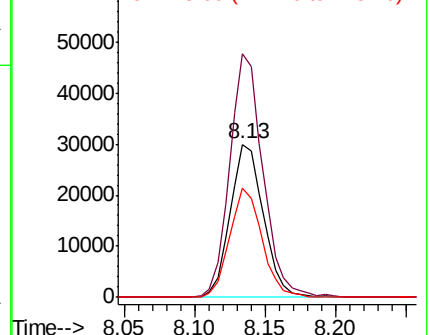
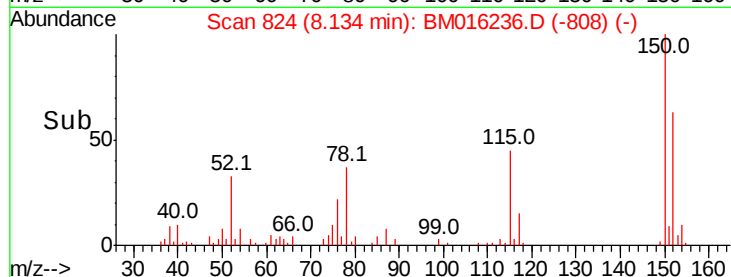
152 100

150 159.2 119.5 179.3

115 71.4 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: 5.67 min Scan# 405

Delta R.T. 0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

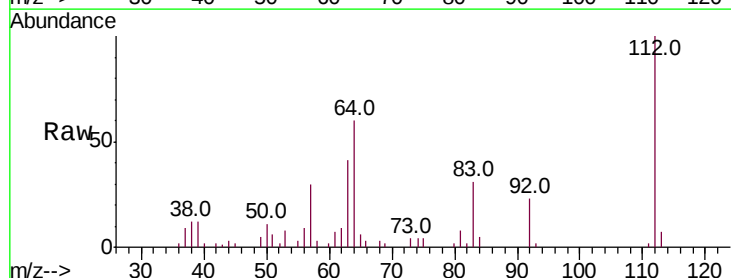
Tgt Ion:112 Resp: 46115

Ion Ratio Lower Upper

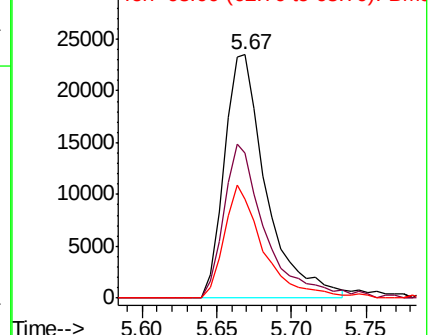
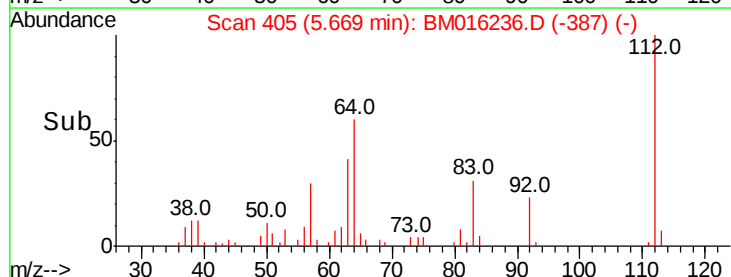
112 100

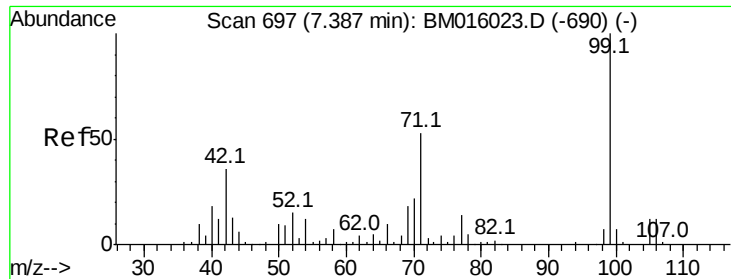
64 59.6 38.6 57.8#

63 40.6 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: 7.30 min Scan# 683

Delta R.T. 0.00 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

Instrument :

BNA_M

ClientSampleId :

OR-02-080318-B

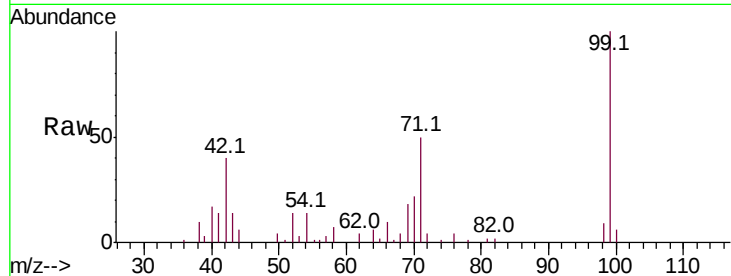
Tot Ion: 99 Resp: 59438

Ion Ratio Lower Upper

99 100

42 39.6 11.0 16.4#

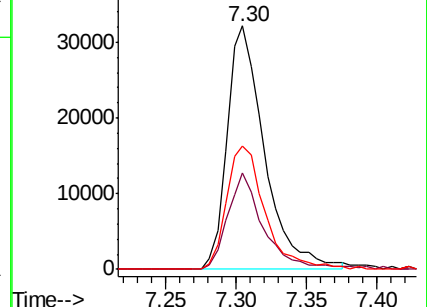
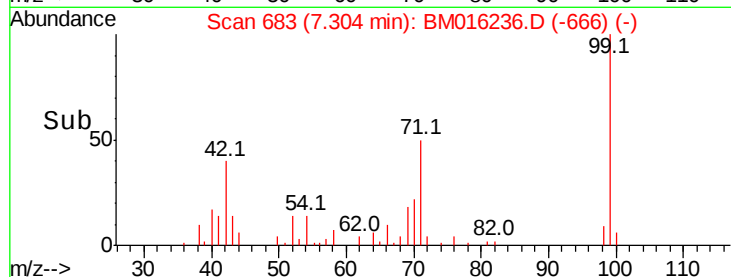
71 50.4 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016236.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016236.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016236.D (-690) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.95 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

Tgt Ion: 136 Resp: 212757

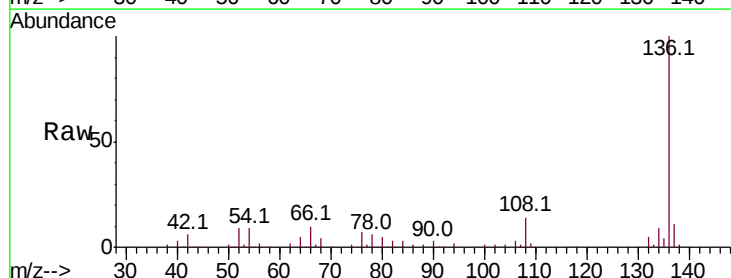
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 9.0 4.6 6.8#

68 4.2 3.7 5.5

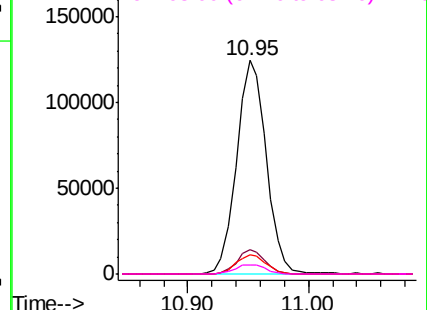
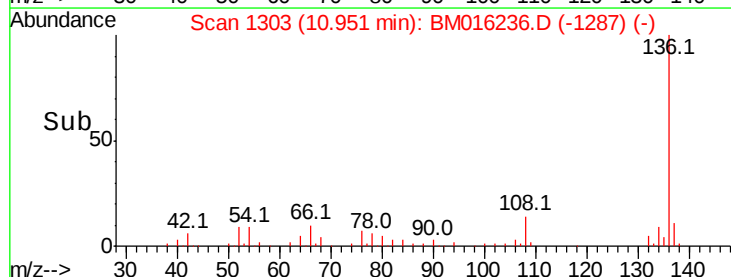


Abundance Ion 136.00 (135.70 to 136.70): BM016236.D (-1287) (-)

Ion 137.00 (136.70 to 137.70): BM016236.D (-1287) (-)

Ion 54.00 (53.70 to 54.70): BM016236.D (-1287) (-)

Ion 68.00 (67.70 to 68.70): BM016236.D (-1287) (-)

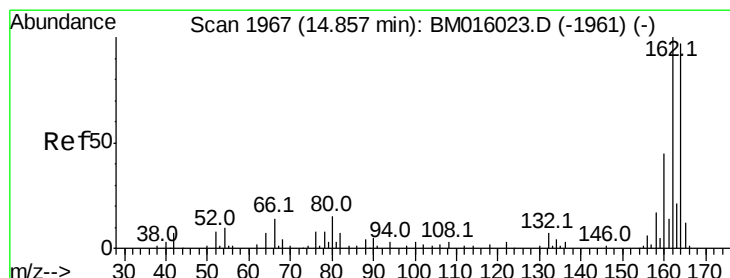
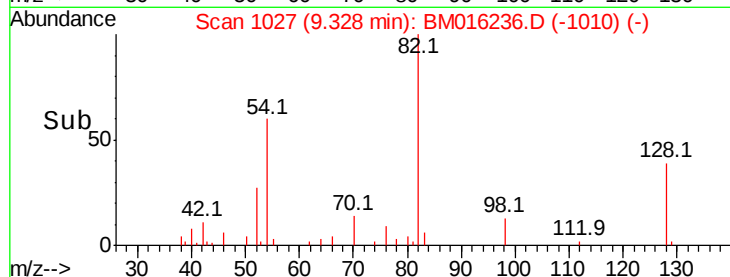
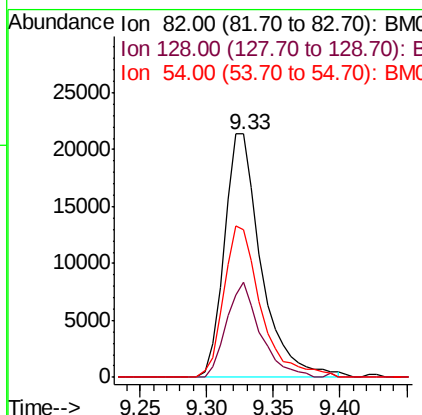
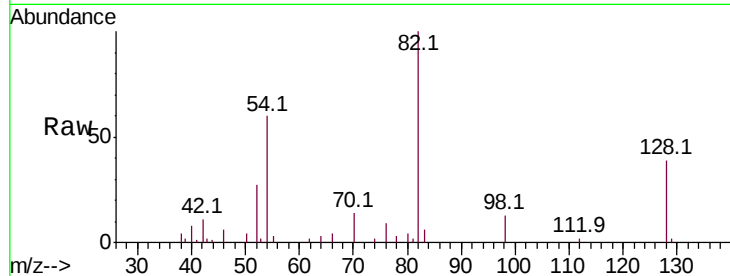




#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.33 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BM016236.D
Acq: 08 Aug 2018 02:55

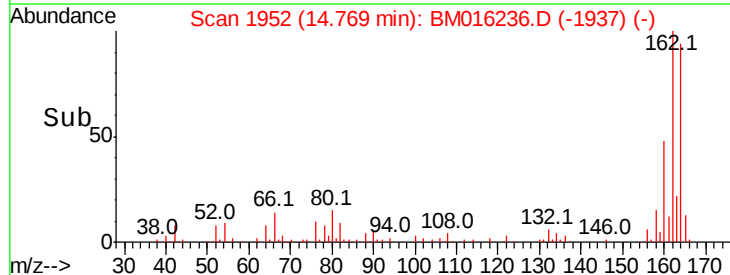
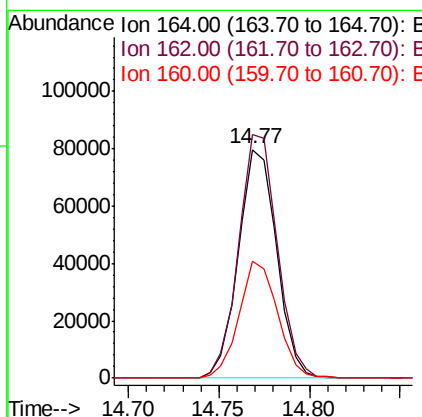
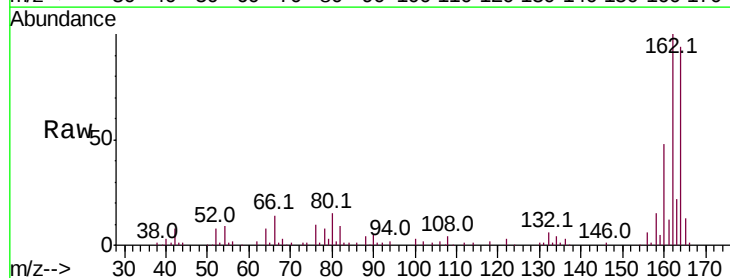
Instrument :
BNA_M
ClientSampleId :
OR-02-080318-B

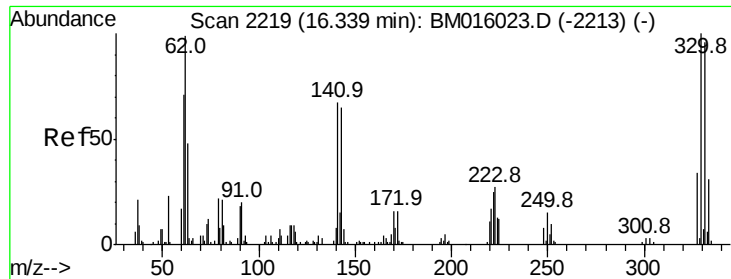
Tot Ion	82	Resp	41297
Ion Ratio	Lower	Upper	
82	100		
128	39.0	32.8	49.2
54	60.4	40.6	60.8



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BM016236.D
Acq: 08 Aug 2018 02:55

Tgt Ion	164	Resp	117099
Ion Ratio	Lower	Upper	
164	100		
162	106.6	82.4	123.6
160	51.0	35.8	53.6

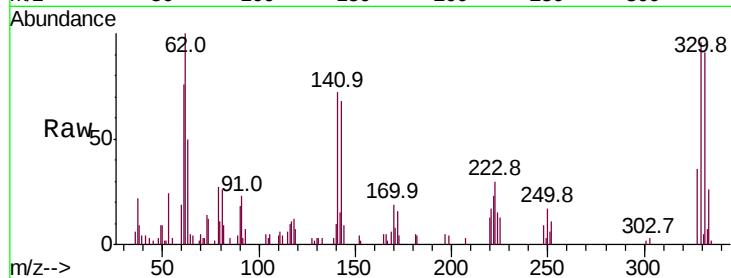




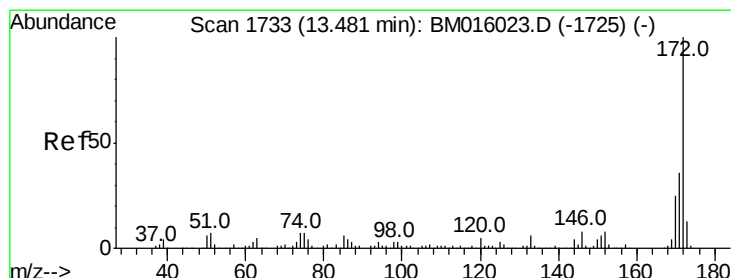
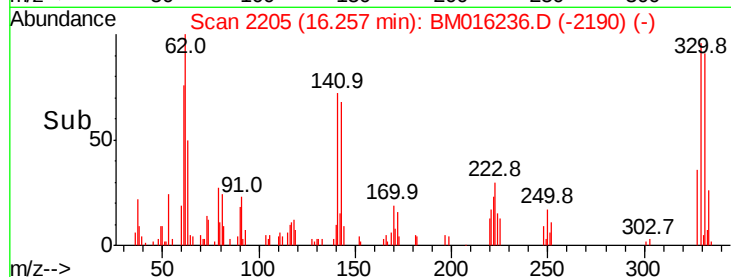
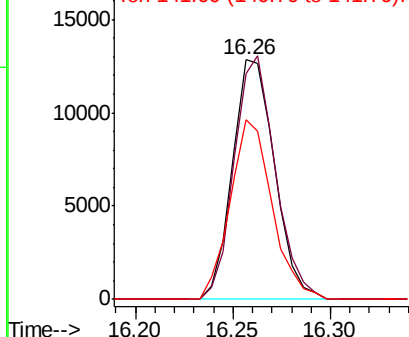
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.26 min Scan# 2205
 Delta R.T. -0.01 min
 Lab File: BM016236.D
 Acq: 08 Aug 2018 02:55

Instrument :
 BNA_M
 ClientSampleId :
 OR-02-080318-B

Tot Ion:330 Resp: 19212
 Ion Ratio Lower Upper
 330 100
 332 99.3 0.0 0.0#
 141 74.6 0.0 0.0#

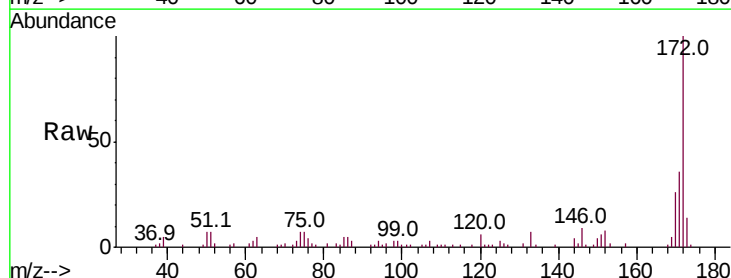


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

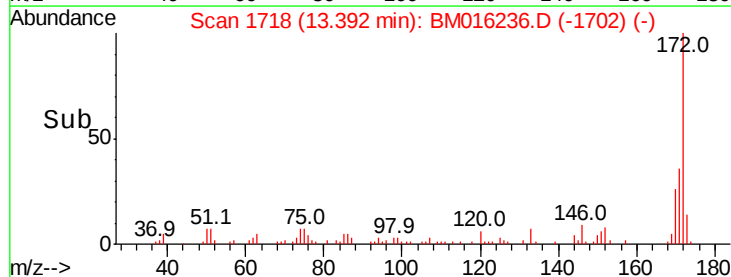
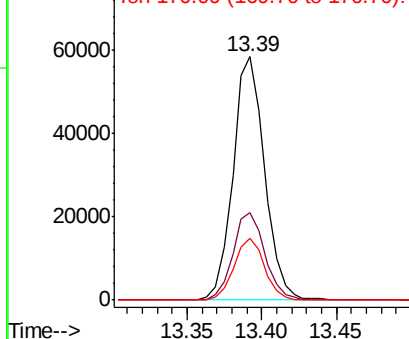


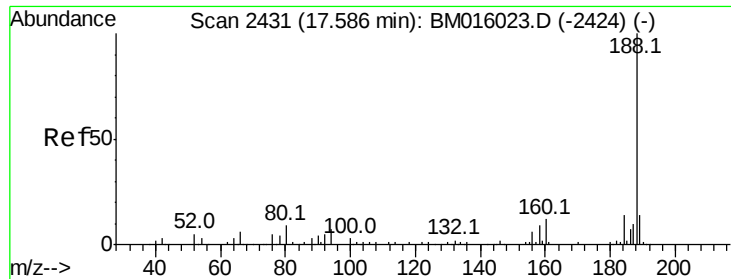
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.39 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BM016236.D
 Acq: 08 Aug 2018 02:55

Tgt Ion:172 Resp: 85888
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.5 42.7
 170 25.6 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

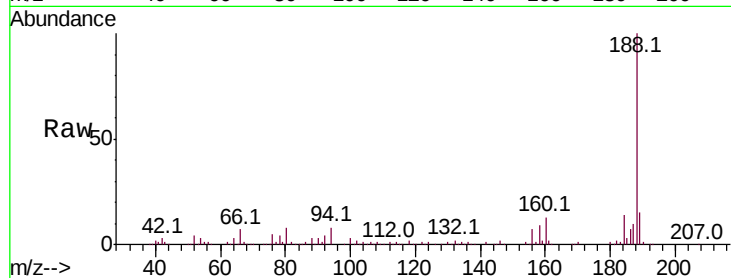




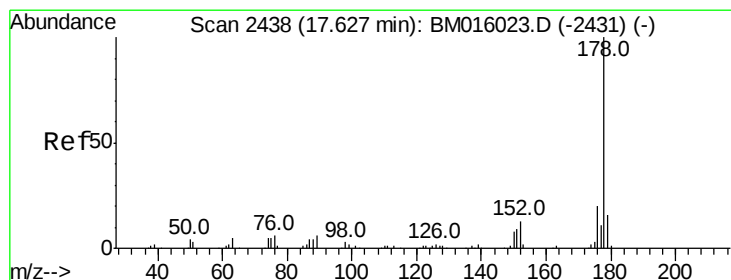
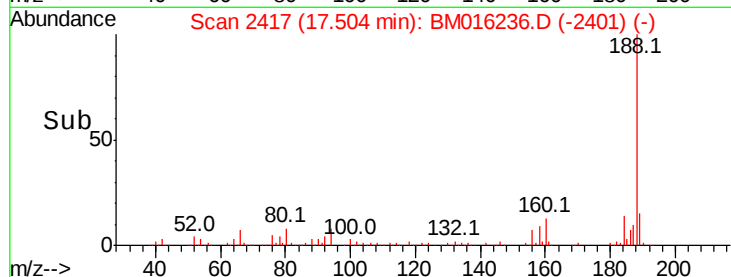
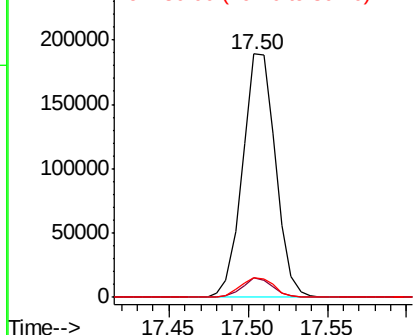
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2417
Delta R.T. -0.01 min
Lab File: BM016236.D
Acq: 08 Aug 2018 02:55

Instrument :
BNA_M
ClientSampleId :
OR-02-080318-B

Tot Ion:188 Resp: 272805
Ion Ratio Lower Upper
188 100
94 8.2 8.7 13.1#
80 8.1 9.3 13.9#

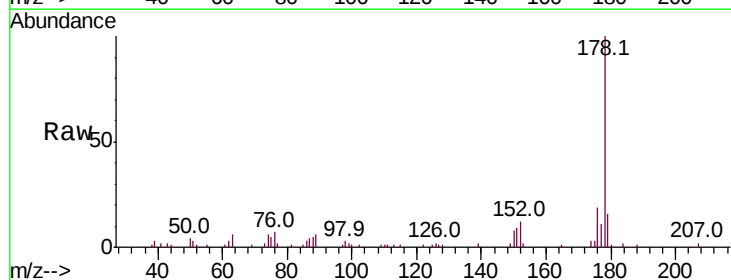


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

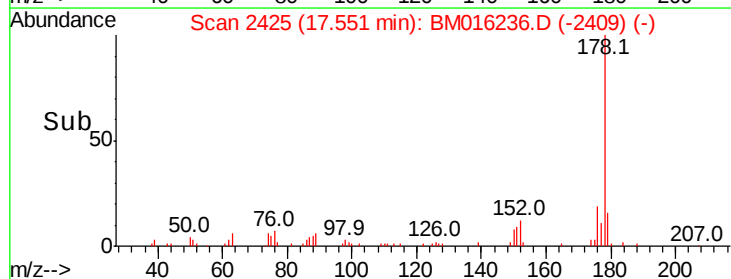
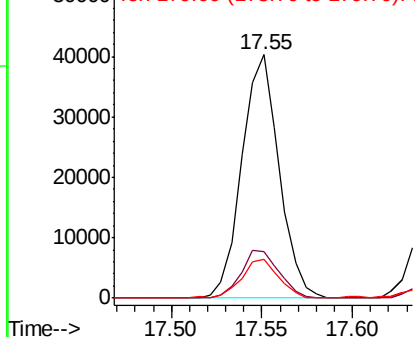


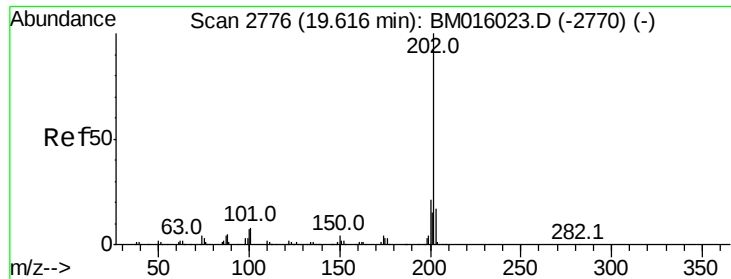
#70
Phenanthrene
Concen: 3.761 ng
RT: 17.55 min Scan# 2425
Delta R.T. -0.01 min
Lab File: BM016236.D
Acq: 08 Aug 2018 02:55

Tgt Ion:178 Resp: 57448
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 15.9 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.236 ng

RT: 19.54 min Scan# 2763

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

Instrument :

BNA_M

ClientSampleId :

OR-02-080318-B

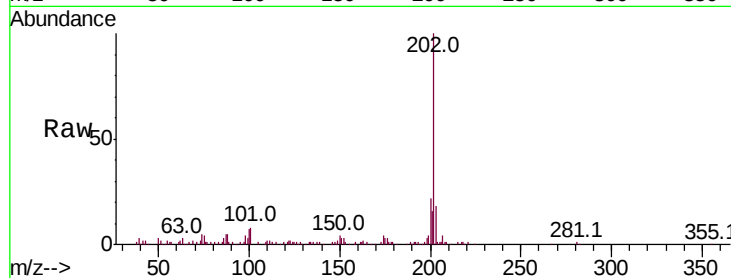
Tot Ion:202 Resp: 123286

Ion Ratio Lower Upper

202 100

101 7.6 0.0 28.7

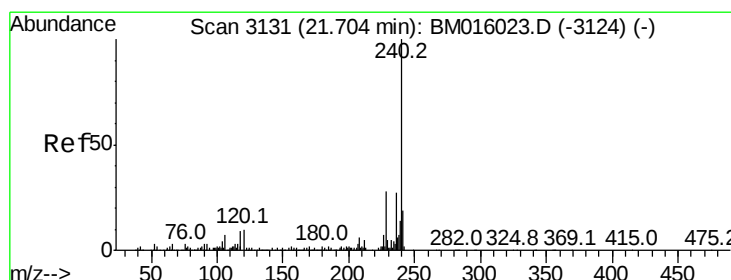
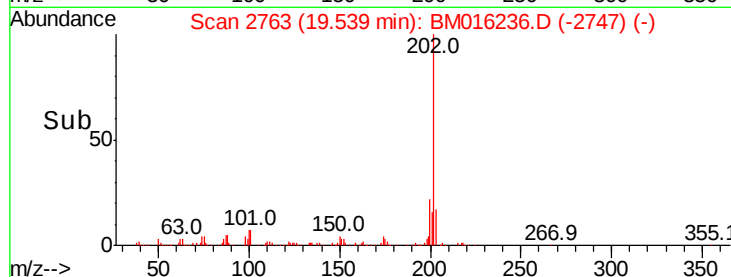
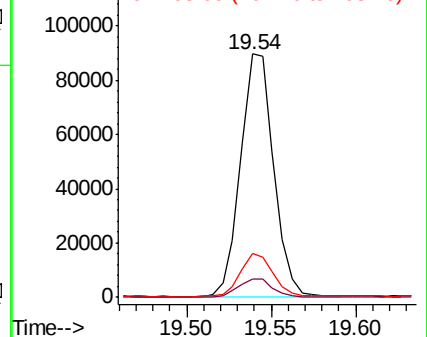
203 18.0 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3120

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

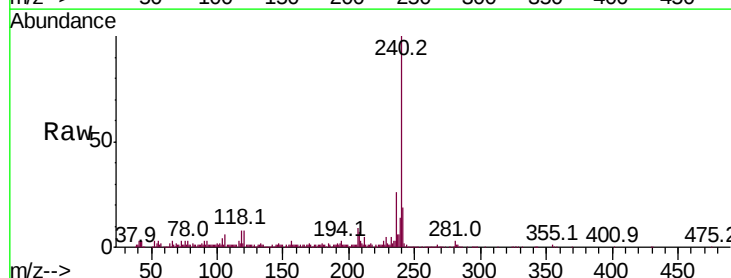
Tgt Ion:240 Resp: 315812

Ion Ratio Lower Upper

240 100

120 7.8 8.2 12.2#

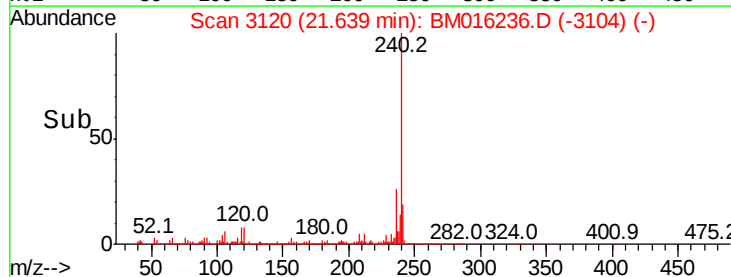
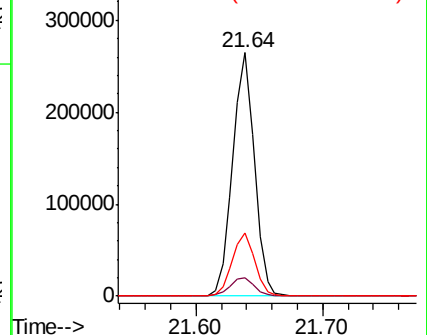
236 25.9 20.0 30.0

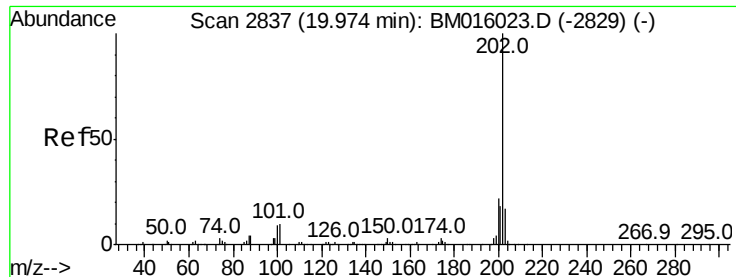


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.443 ng

RT: 19.90 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

Instrument :

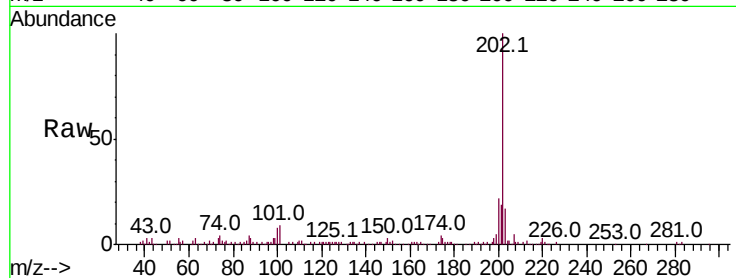
BNA_M

ClientSampleId :

OR-02-080318-B

Tot Ion:202 Resp: 121940

Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.9	25.3
203	17.2	14.1	21.1

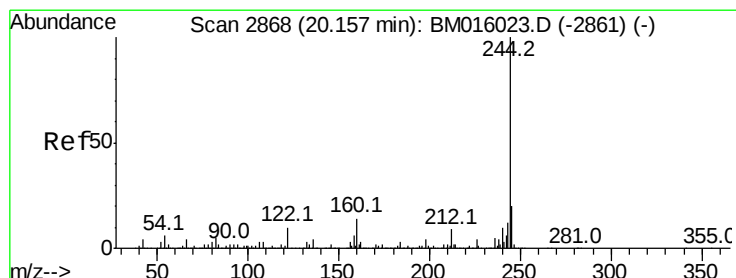
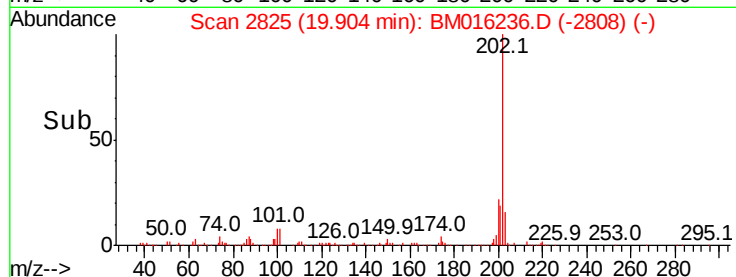
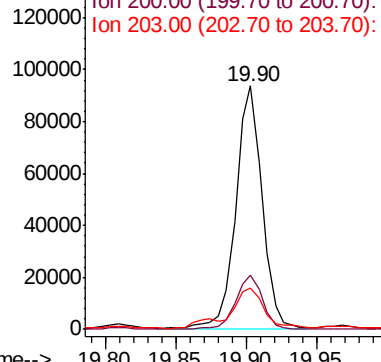


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 6.443 ng

RT: 20.09 min Scan# 2856

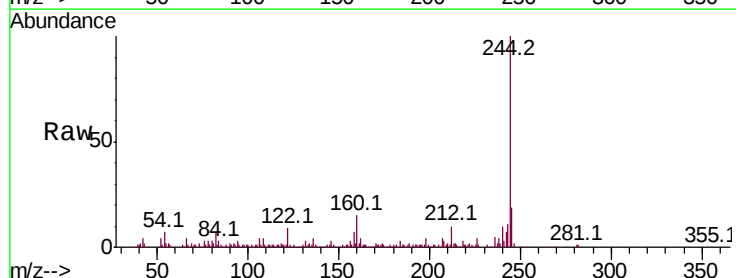
Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

Tgt Ion:244 Resp: 148011

Ion	Ratio	Lower	Upper
244	100		
212	9.7	4.9	7.3#
122	9.1	6.2	9.4

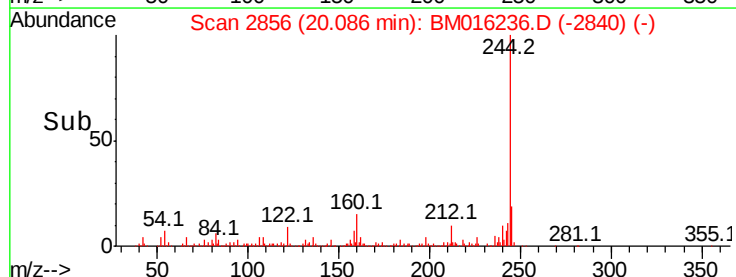
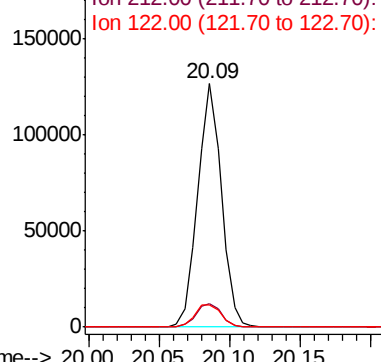


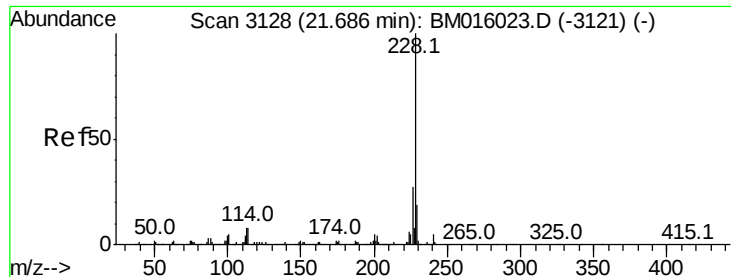
Abundance

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





#80

Benzo(a)anthracene

Concen: 3.643 ng

RT: 21.62 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

Instrument :

BNA_M

ClientSampleId :

OR-02-080318-B

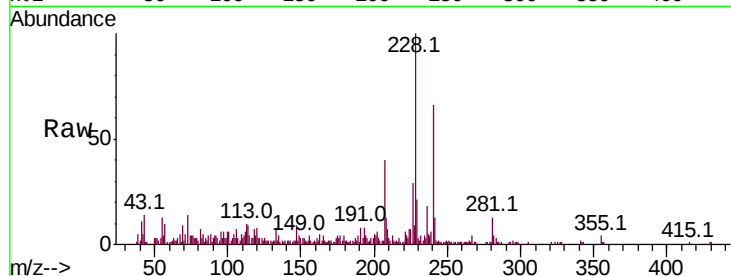
Tot Ion:228 Resp: 70865

Ion Ratio Lower Upper

228 100

226 28.6 21.7 32.5

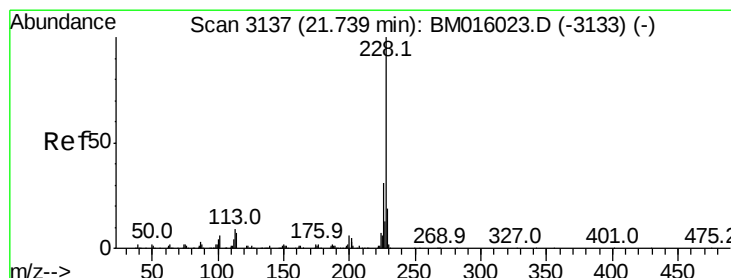
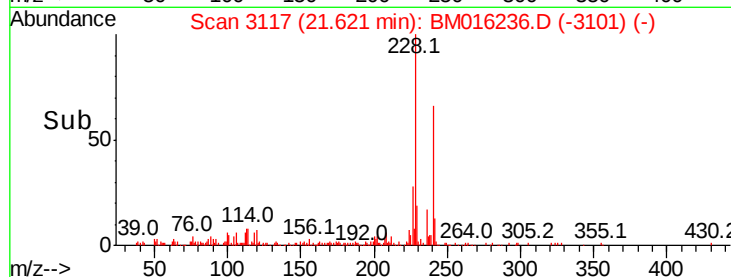
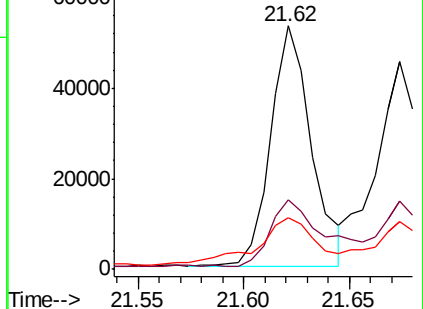
229 21.2 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 3.502 ng

RT: 21.67 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BM016236.D

Acq: 08 Aug 2018 02:55

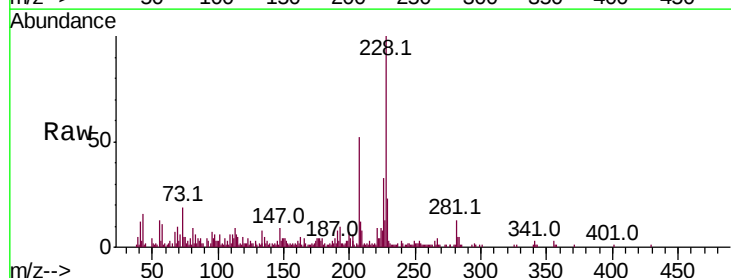
Tgt Ion:228 Resp: 65349

Ion Ratio Lower Upper

228 100

226 33.0 24.1 36.1

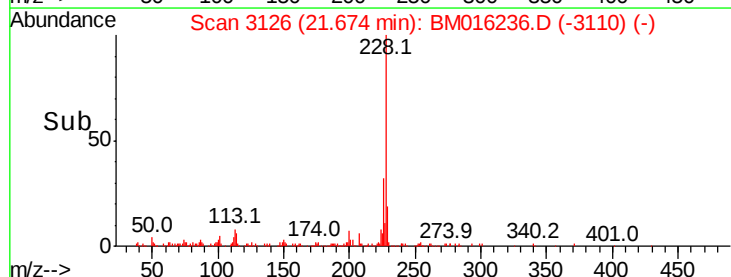
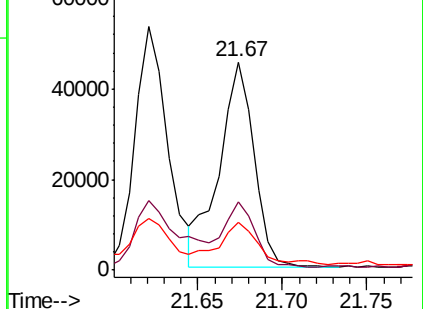
229 23.0 15.5 23.3

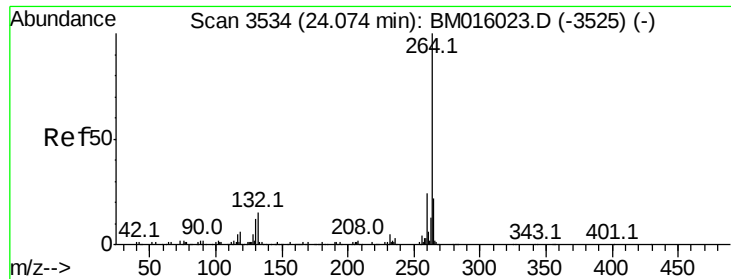


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



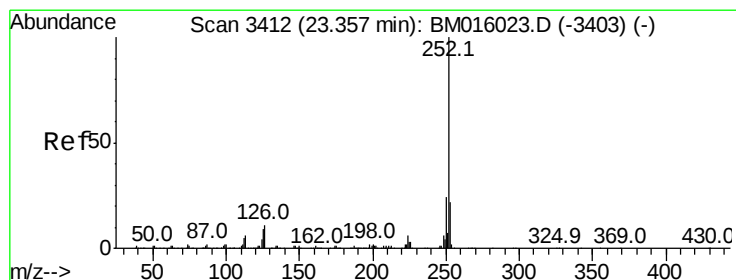
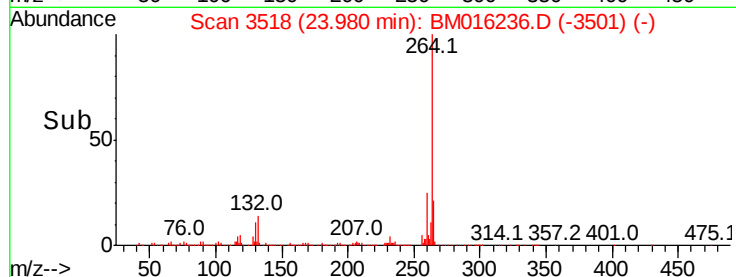
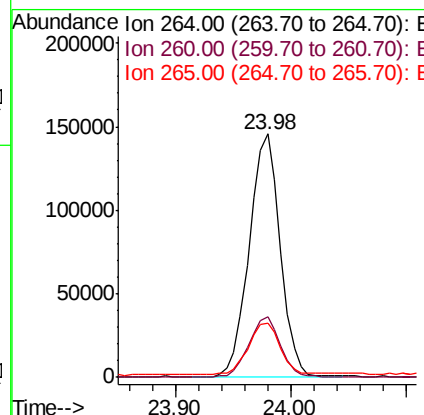
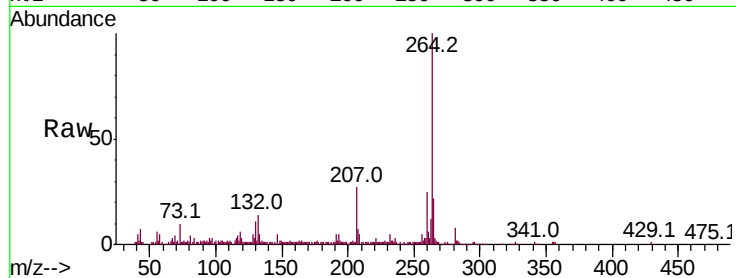


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.98 min Scan# 3518
Delta R.T. 0.00 min
Lab File: BM016236.D
Acq: 08 Aug 2018 02:55

Instrument :
BNA_M
ClientSampleId :
OR-02-080318-B

Tot Ion:264 Resp: 271314

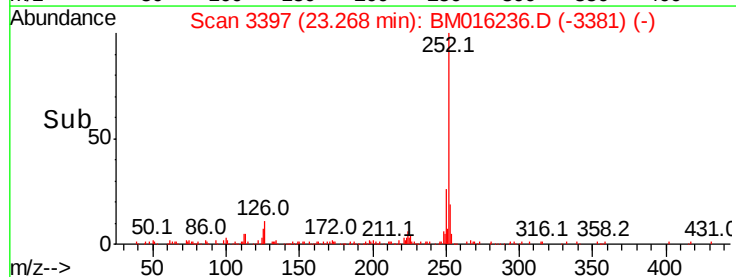
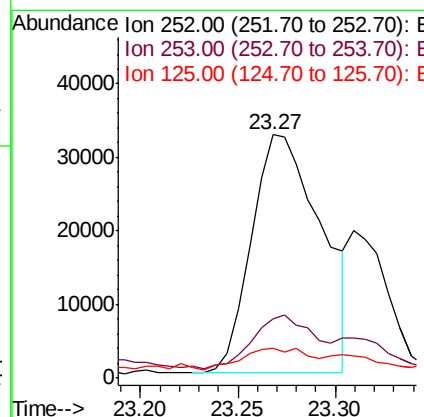
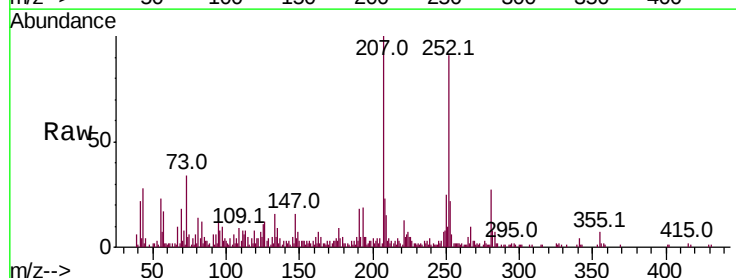
Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.6	27.8
265	22.2	17.3	25.9

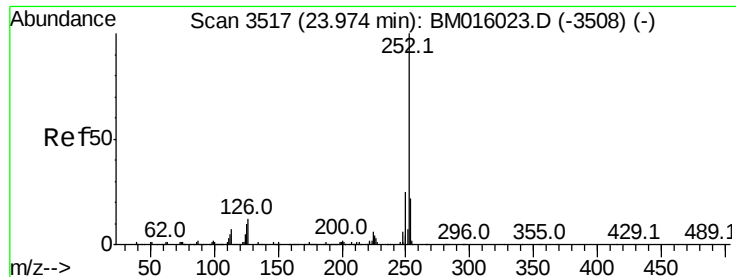


#87
Benzo(b)fluoranthene
Concen: 5.025 ng
RT: 23.27 min Scan# 3397
Delta R.T. -0.01 min
Lab File: BM016236.D
Acq: 08 Aug 2018 02:55

Tgt Ion:252 Resp: 80275

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	12.1	9.9	14.9

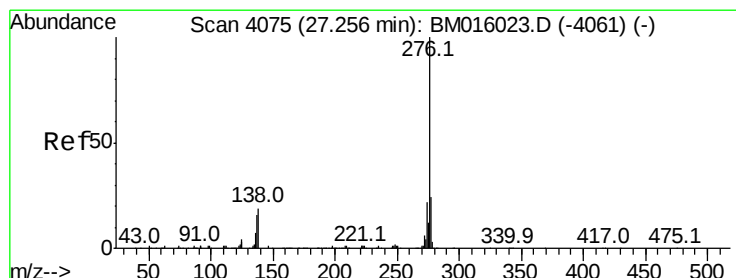
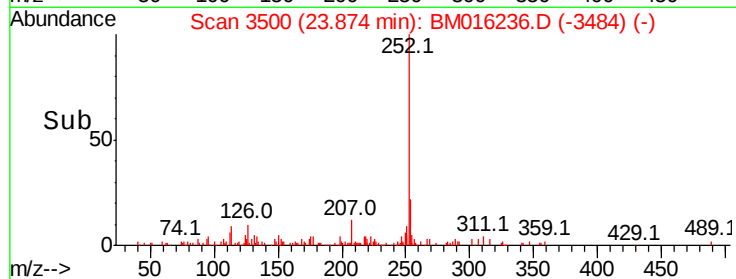
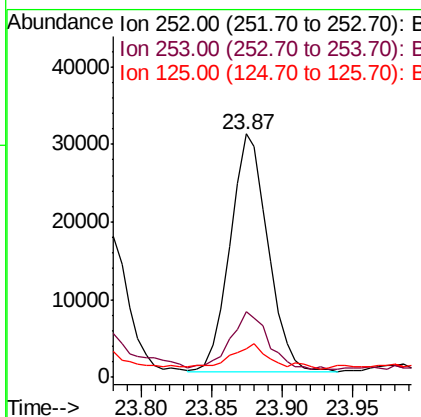
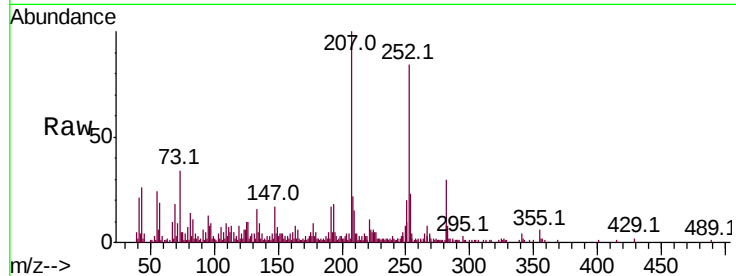




#89
Benzo(a)pyrene
Concen: 3.727 ng
RT: 23.87 min Scan# 3500
Delta R.T. -0.01 min
Lab File: BM016236.D
Acq: 08 Aug 2018 02:55

Instrument :
BNA_M
ClientSampleId :
OR-02-080318-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.6	26.4#
125	11.6	7.4	11.2#



#91
Benzo(g,h,i)perylene
Concen: 2.633 ng
RT: 27.10 min Scan# 4048
Delta R.T. -0.01 min
Lab File: BM016236.D
Acq: 08 Aug 2018 02:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.5	27.7
138	20.1	19.0	28.6

