

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080718\
 Data File : BM016235.D
 Acq On : 08 Aug 2018 02:19
 Operator : SJ/JU
 Sample : J4277-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Aug 08 04:21:26 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

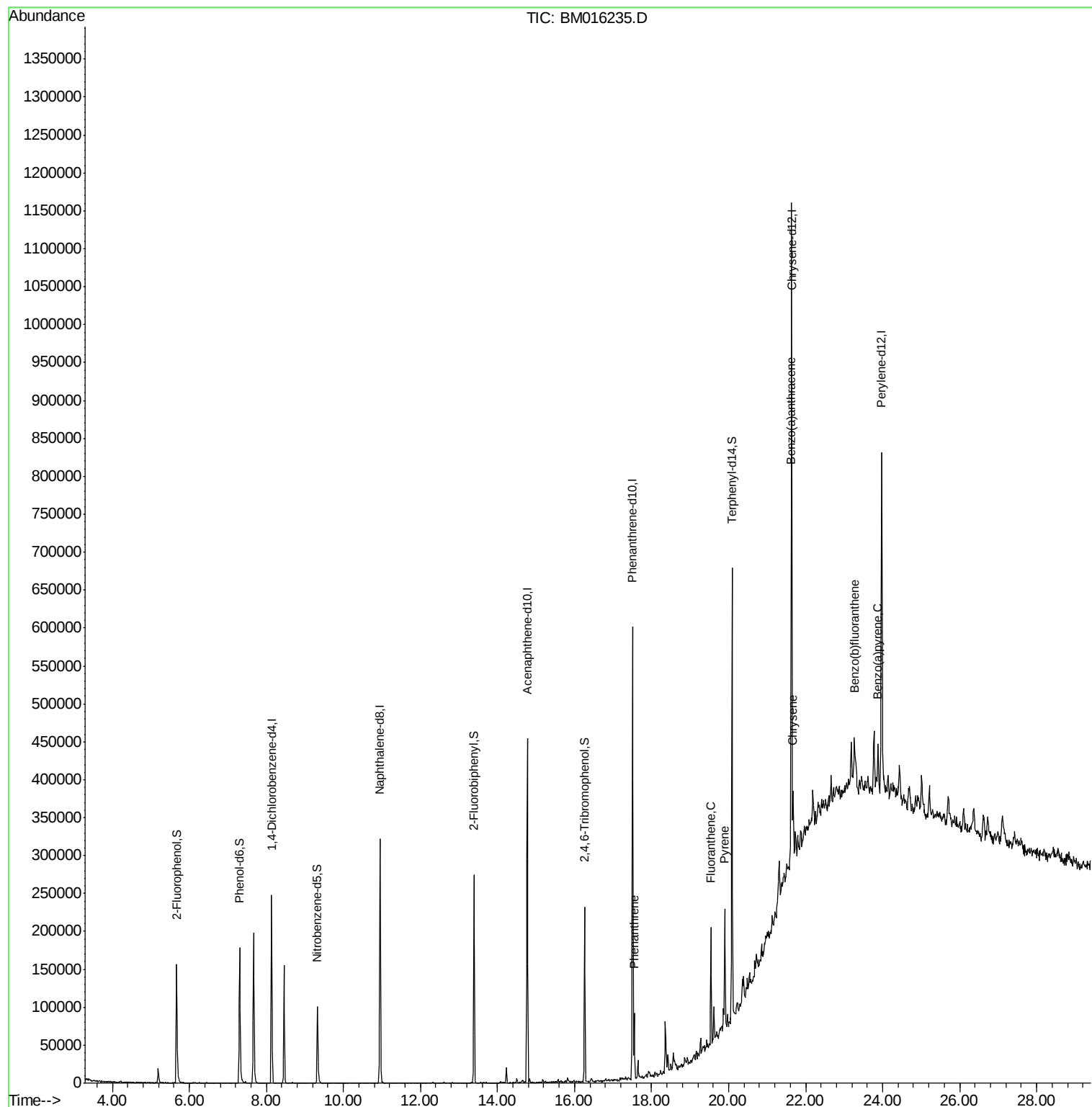
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	55076	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	225833	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	125261	20.00	ng	0.00
63) Phenanthrene-d10	17.51	188	287505	20.00	ng	0.00
75) Chrysene-d12	21.64	240	321640	20.00	ng	0.00
86) Perylene-d12	23.97	264	281040	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	62363	18.81	ng	0.00
7) Phenol-d6	7.30	99	83163	19.21	ng	0.00
23) Nitrobenzene-d5	9.32	82	57411	11.82	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	25382	15.98	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	115315	11.20	ng	0.00
78) Terphenyl-d14	20.09	244	192088	12.50	ng	0.00
Target Compounds						
70) Phenanthrene	17.55	178	44183	2.745	ng	95
74) Fluoranthene	19.54	202	78458	4.370	ng	95
77) Pyrene	19.90	202	77250	4.008	ng	99
80) Benzo(a)anthracene	21.62	228	42857	2.163	ng	93
82) Chrysene	21.67	228	39436	2.075	ng	# 95
87) Benzo(b)fluoranthene	23.27	252	42715	2.581	ng	# 91
89) Benzo(a)pyrene	23.87	252	34759	2.185	ng	# 89

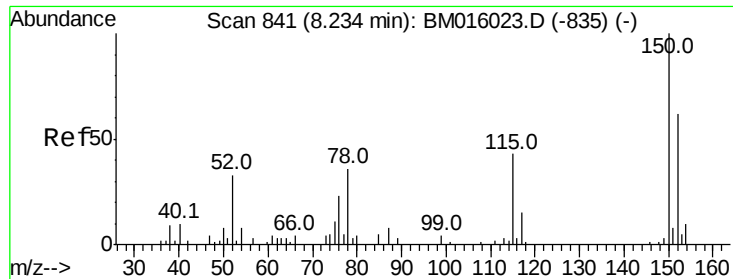
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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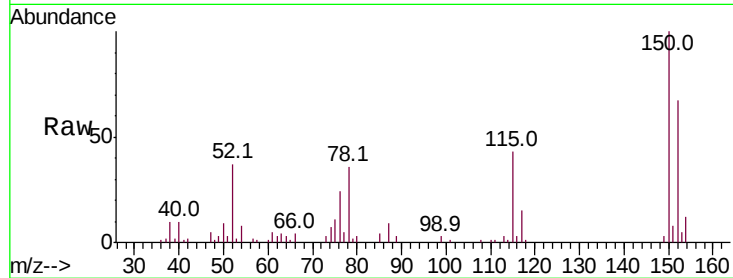


#1

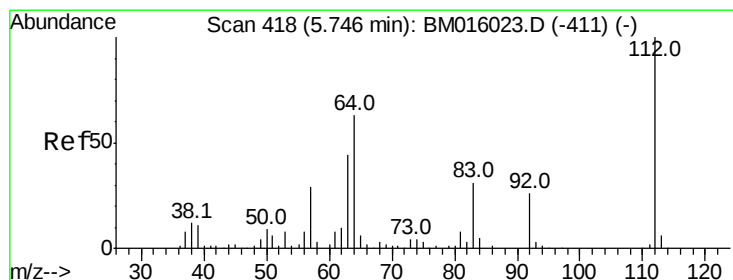
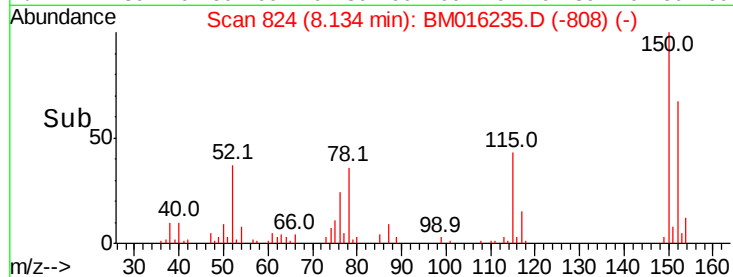
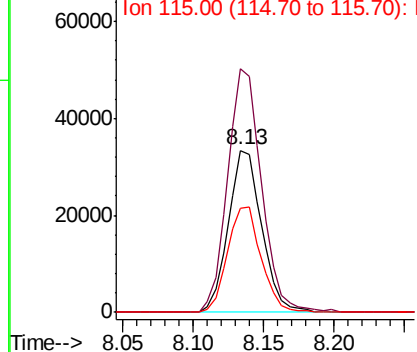
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.13 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BM016235.D
 Acq: 08 Aug 2018 02:19

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.1	119.5	179.3
115	64.3	43.0	64.4



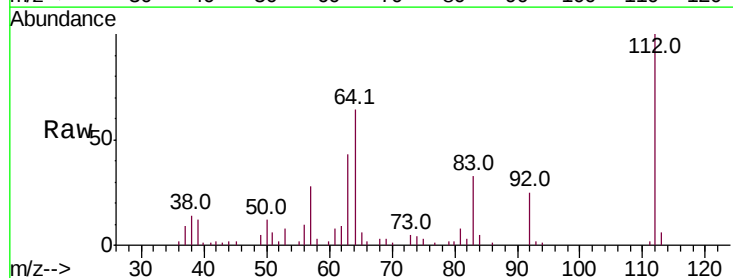
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



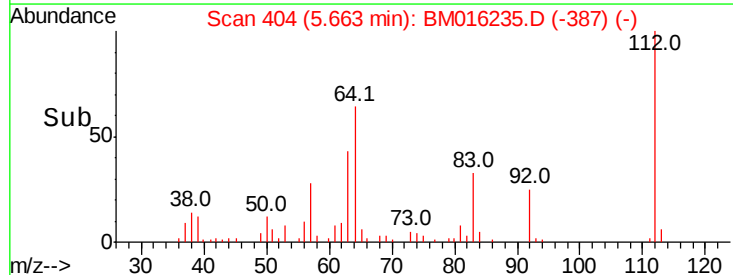
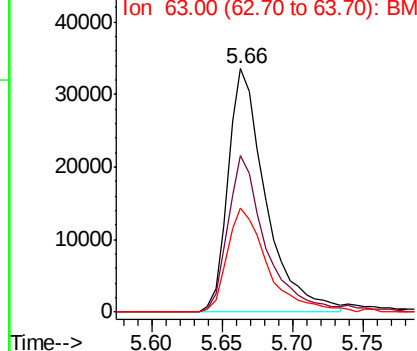
#5

2-Fluorophenol
 Concen: N.D. ng
 RT: 5.66 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: BM016235.D
 Acq: 08 Aug 2018 02:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	38.6	57.8#
63	42.8	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: BM016235.D

Acq: 08 Aug 2018 02:19

Instrument :

BNA_M

ClientSampleId :

OR-02-080318-A

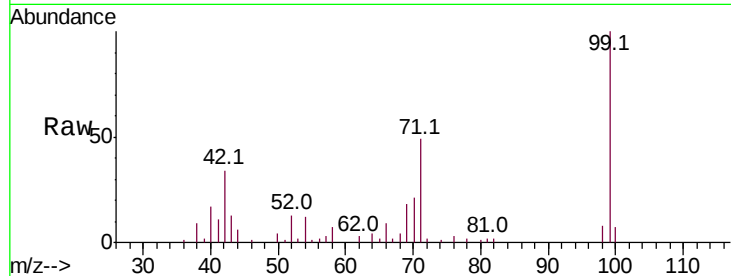
Tot Ion: 99 Resp: 83163

Ion Ratio Lower Upper

99 100

42 33.6 11.0 16.4#

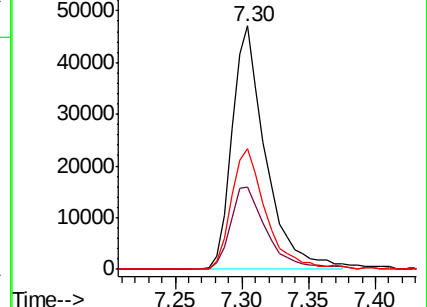
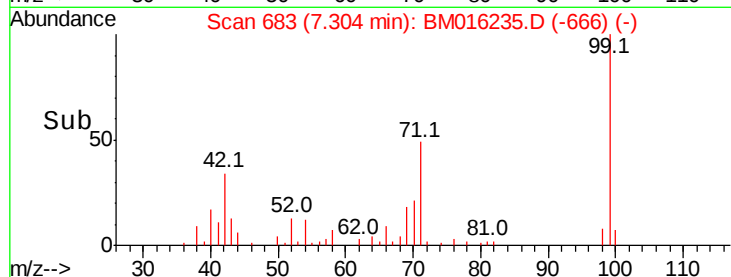
71 49.4 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016235.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016235.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016235.D (-690) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.95 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BM016235.D

Acq: 08 Aug 2018 02:19

Tgt Ion: 136 Resp: 225833

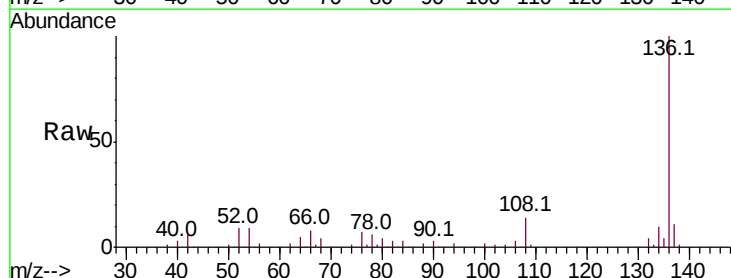
Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

54 9.5 4.6 6.8#

68 4.4 3.7 5.5

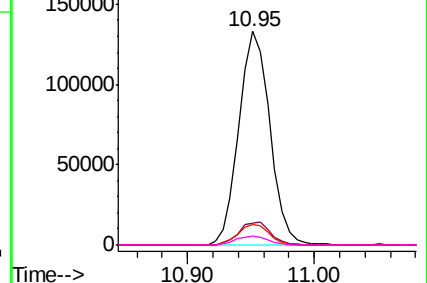
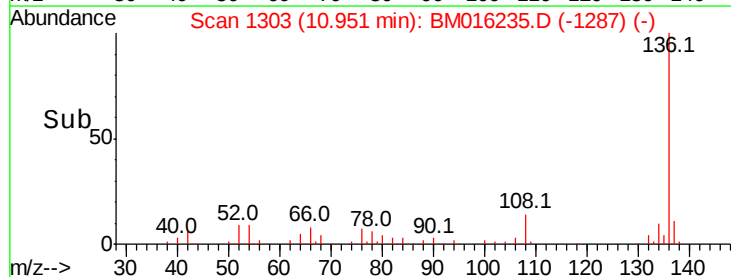


Abundance Ion 136.00 (135.70 to 136.70): BM016235.D (-1287) (-)

Ion 137.00 (136.70 to 137.70): BM016235.D (-1287) (-)

Ion 54.00 (53.70 to 54.70): BM016235.D (-1287) (-)

Ion 68.00 (67.70 to 68.70): BM016235.D (-1287) (-)

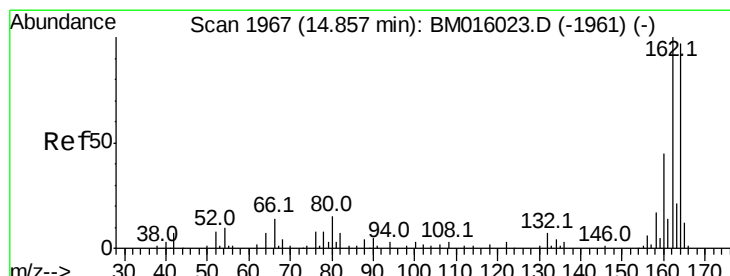
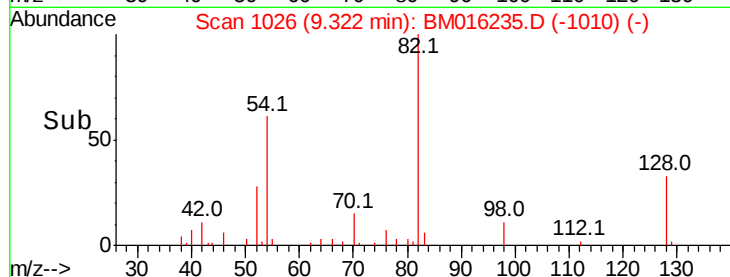
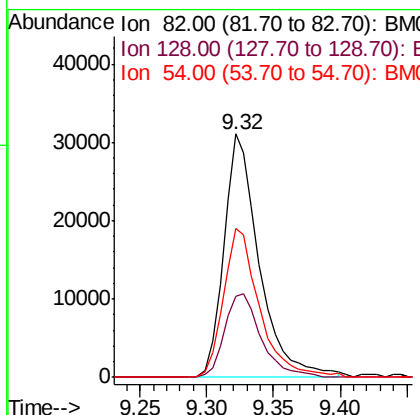
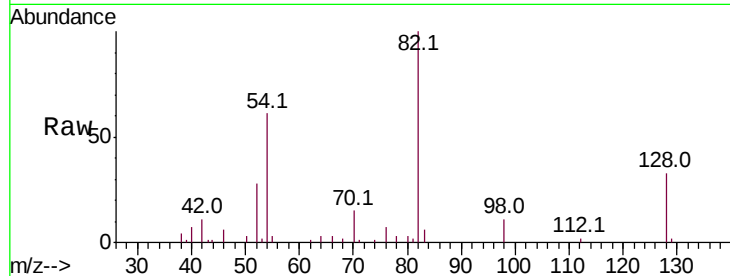




#23
 Nitrobenzene-d5
 Concen: N.D. ng
 RT: 9.32 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BM016235.D
 Acq: 08 Aug 2018 02:19

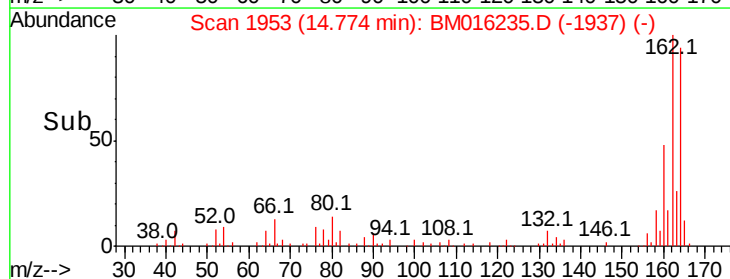
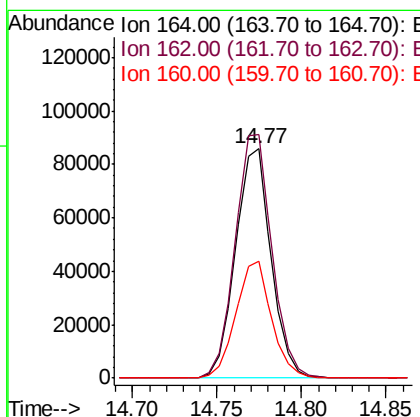
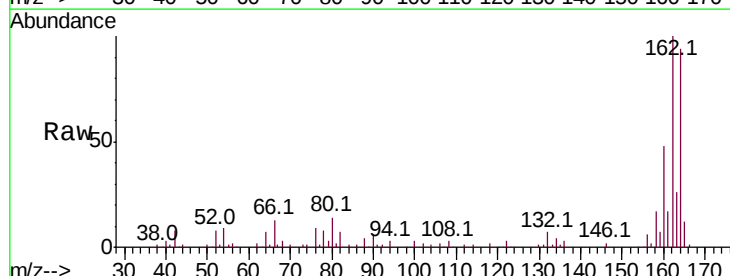
Instrument :
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 OR-02-080318-A

Tot Ion	82	Resp	57411
Ion Ratio	100	Lower	Upper
128	33.2	32.8	49.2
54	61.0	40.6	60.8#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.77 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: BM016235.D
 Acq: 08 Aug 2018 02:19

Tgt Ion	164	Resp	125261
Ion Ratio	100	Lower	Upper
162	106.2	82.4	123.6
160	51.3	35.8	53.6

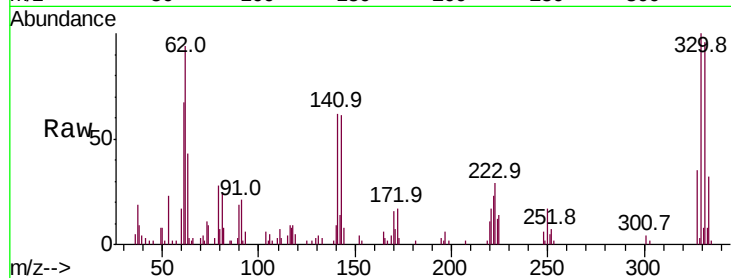




#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.26 min Scan# 2206
 Delta R.T. -0.01 min
 Lab File: BM016235.D
 Acq: 08 Aug 2018 02:19

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.5	0.0	0.0#
141	69.7	0.0	0.0#

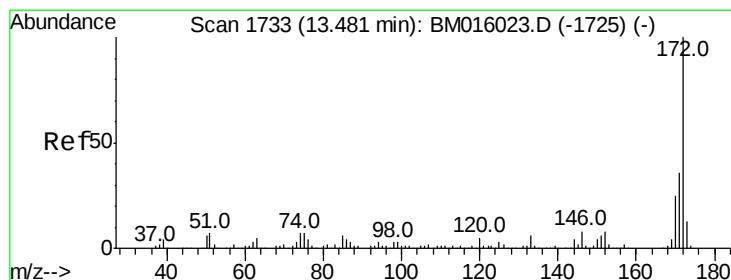
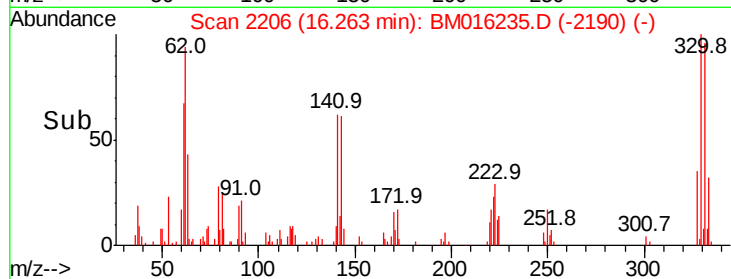
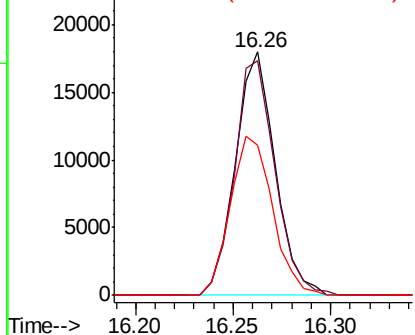


Abundance

Ion 329.80 (329.50 to 330.50): E

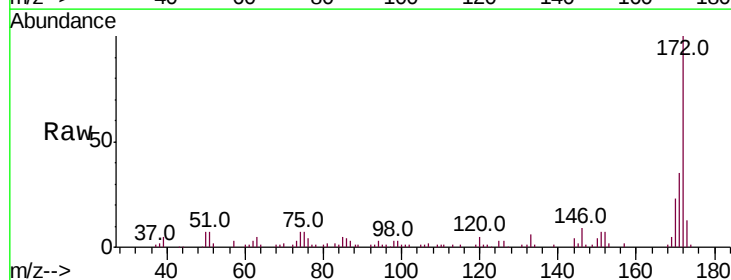
Ion 331.80 (331.50 to 332.50): E

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: BM016235.D
 Acq: 08 Aug 2018 02:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.5	42.7
170	23.0	18.8	28.2

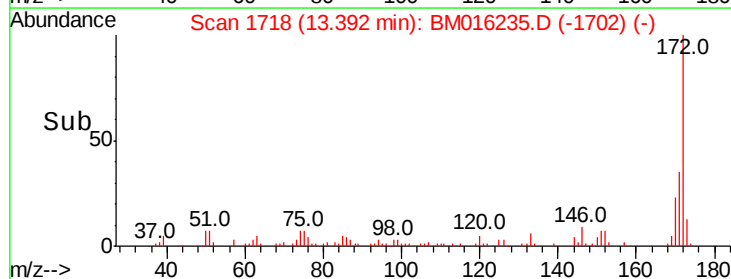
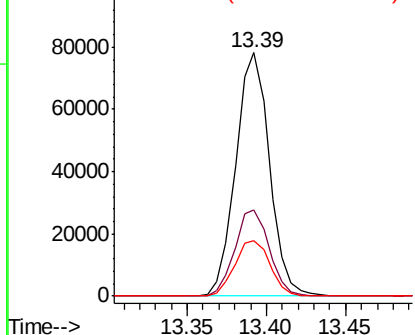


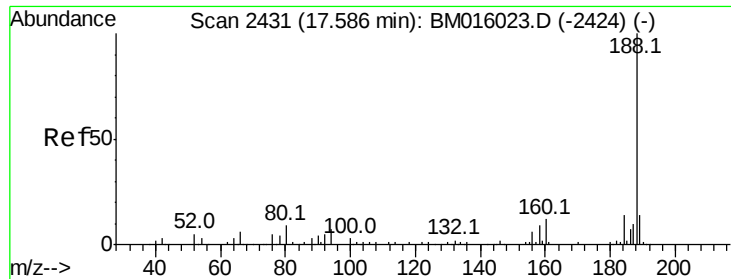
Abundance

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

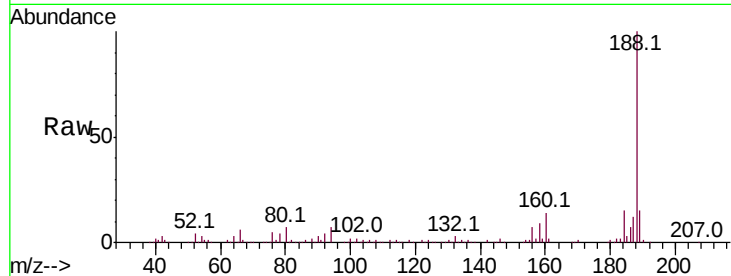




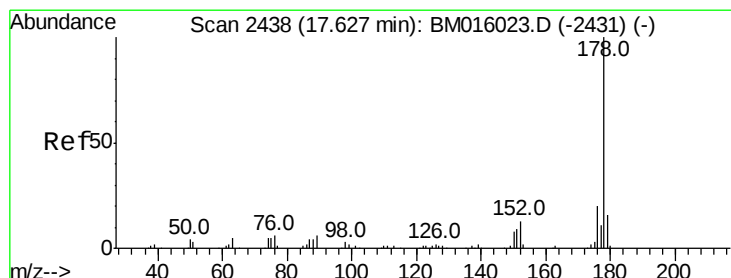
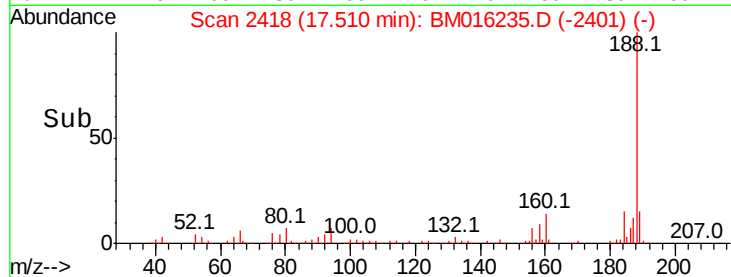
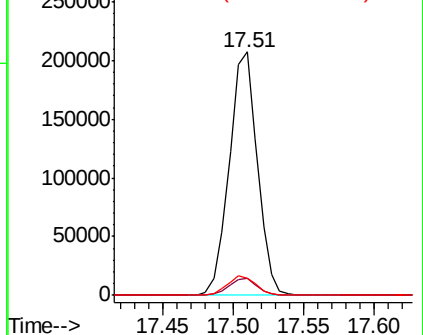
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.51 min Scan# 2418
Delta R.T. 0.00 min
Lab File: BM016235.D
Acq: 08 Aug 2018 02:19

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

Tot Ion:188 Resp: 287505
Ion Ratio Lower Upper
188 100
94 6.9 8.7 13.1#
80 7.2 9.3 13.9#

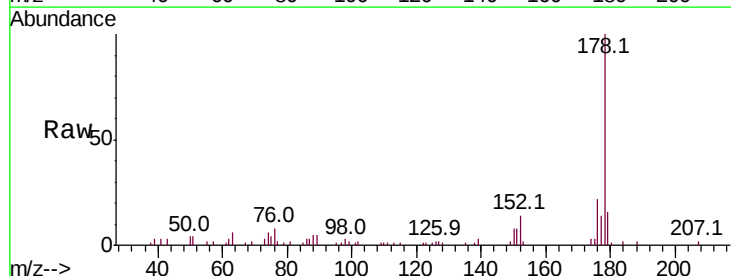


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

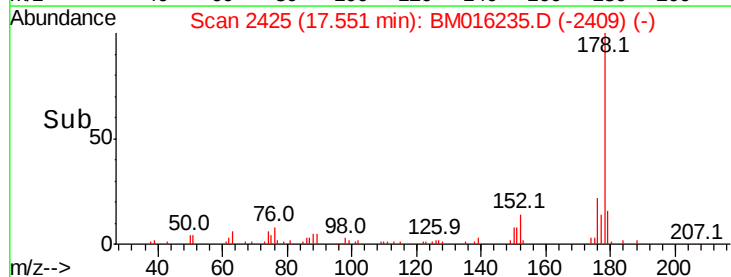
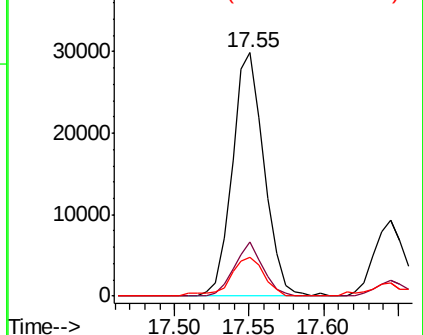


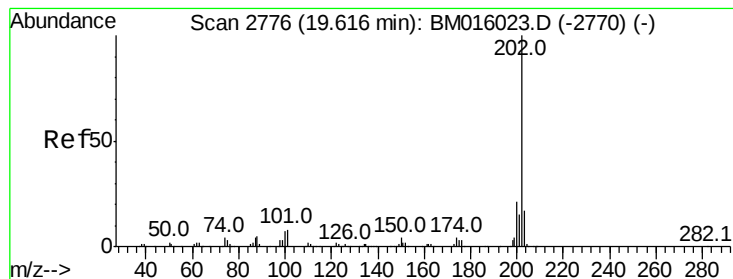
#70
Phenanthrene
Concen: 2.745 ng
RT: 17.55 min Scan# 2425
Delta R.T. -0.01 min
Lab File: BM016235.D
Acq: 08 Aug 2018 02:19

Tgt Ion:178 Resp: 44183
Ion Ratio Lower Upper
178 100
176 22.0 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: 4.370 ng

RT: 19.54 min Scan# 2763

Delta R.T. -0.01 min

Lab File: BM016235.D

Acq: 08 Aug 2018 02:19

Instrument :

BNA_M

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OR-02-080318-A

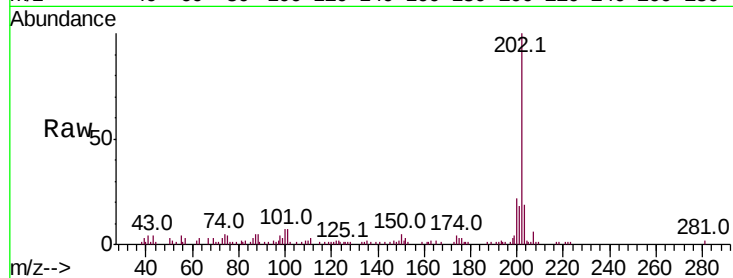
Tot Ion:202 Resp: 78458

Ion Ratio Lower Upper

202 100

101 7.1 0.0 28.7

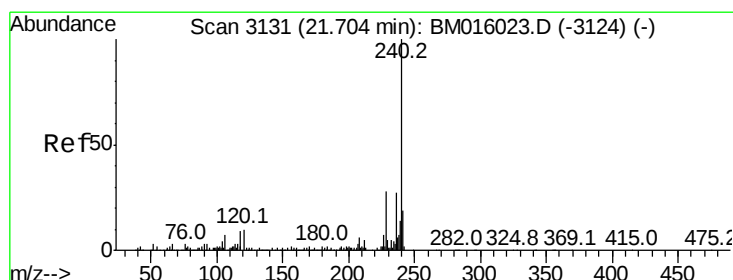
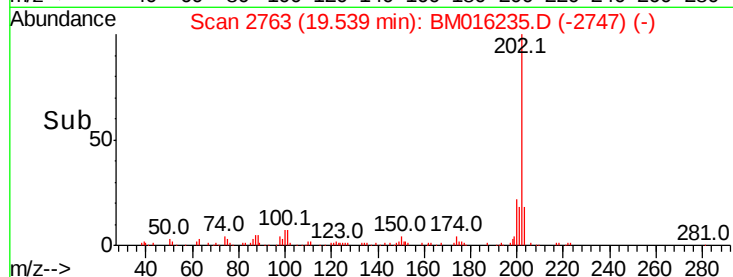
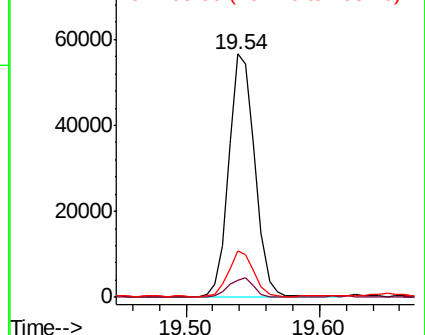
203 19.2 0.0 37.2



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: BM016235.D

Acq: 08 Aug 2018 02:19

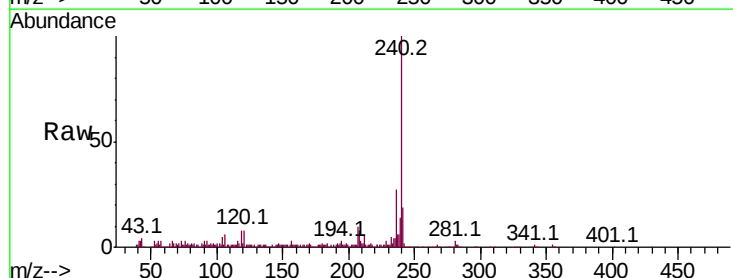
Tgt Ion:240 Resp: 321640

Ion Ratio Lower Upper

240 100

120 7.9 8.2 12.2#

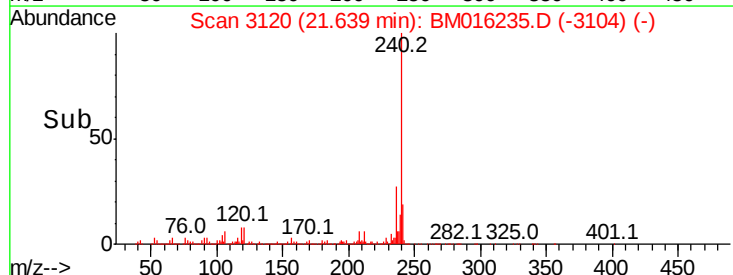
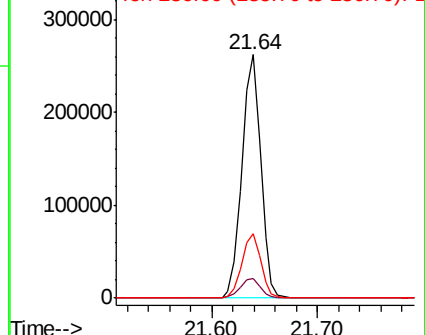
236 26.7 20.0 30.0

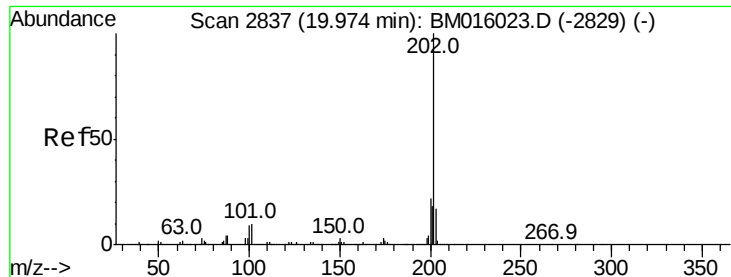


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

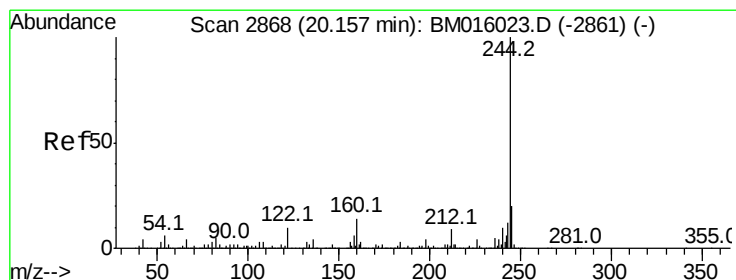
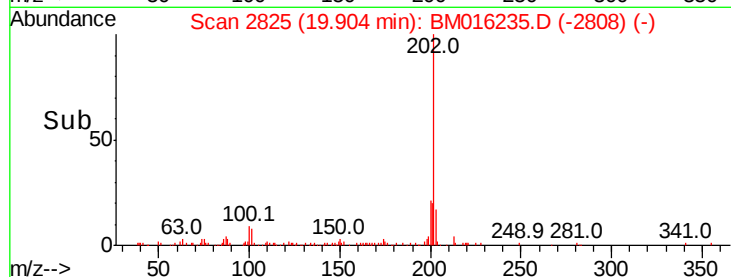
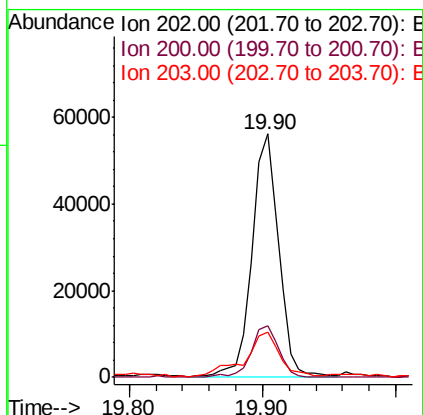
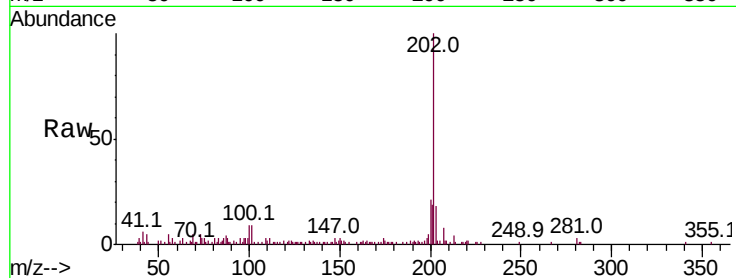




#77
Pvrene
Concen: 4.008 ng
RT: 19.90 min Scan# 2825
Delta R.T. 0.00 min
Lab File: BM016235.D
Acq: 08 Aug 2018 02:19

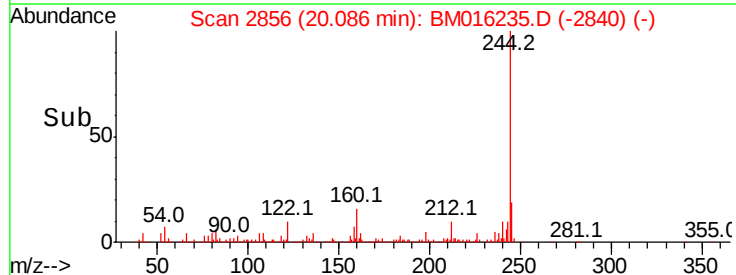
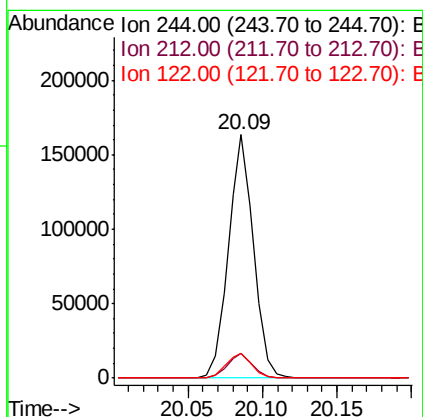
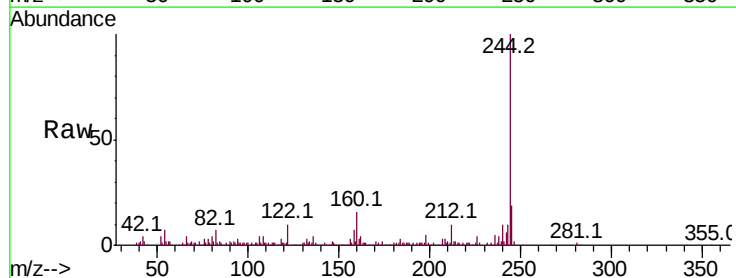
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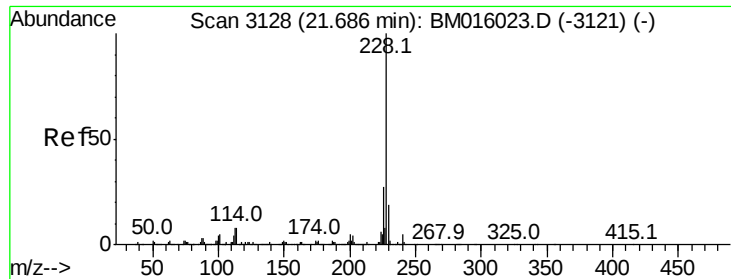
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.9	25.3
203	18.5	14.1	21.1



#78
Terphenyl-d14
Concen: 4.008 ng
RT: 20.09 min Scan# 2856
Delta R.T. -0.01 min
Lab File: BM016235.D
Acq: 08 Aug 2018 02:19

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.0	4.9	7.3#
122	9.9	6.2	9.4#





#80

Benzo(a)anthracene

Concen: 2.163 ng

RT: 21.62 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM016235.D

Acq: 08 Aug 2018 02:19

Instrument :

BNA_M

ClientSampleId :

OR-02-080318-A

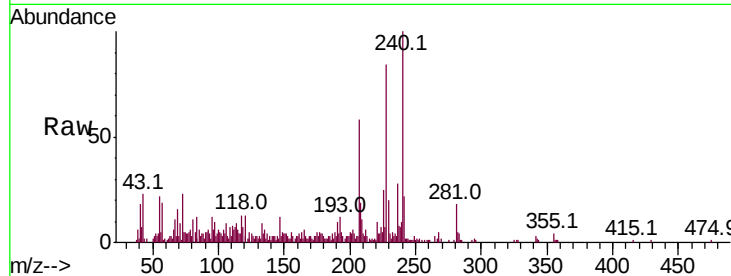
Tot Ion:228 Resp: 42857

Ion Ratio Lower Upper

228 100

226 30.1 21.7 32.5

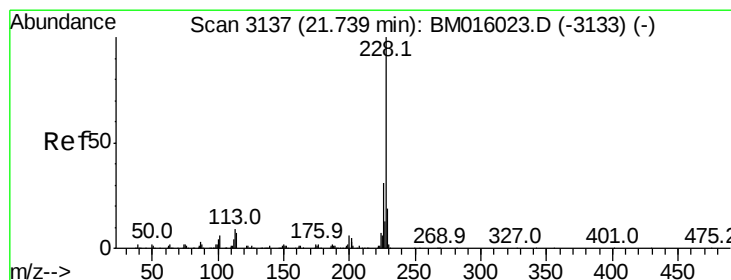
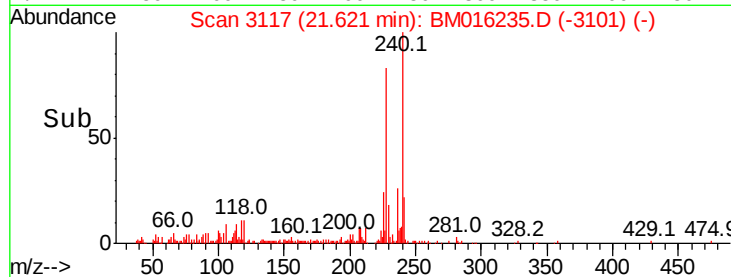
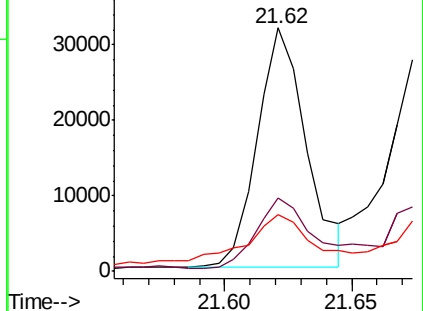
229 23.5 16.0 24.0



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: 2.075 ng

RT: 21.67 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BM016235.D

Acq: 08 Aug 2018 02:19

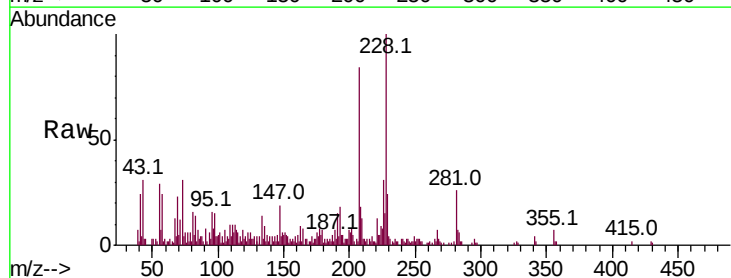
Tgt Ion:228 Resp: 39436

Ion Ratio Lower Upper

228 100

226 30.7 24.1 36.1

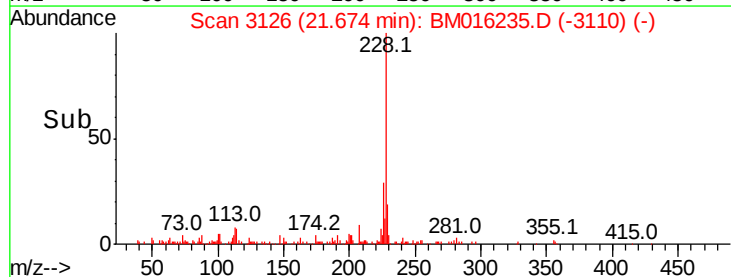
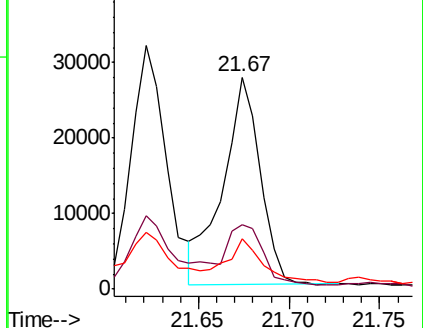
229 23.9 15.5 23.3#

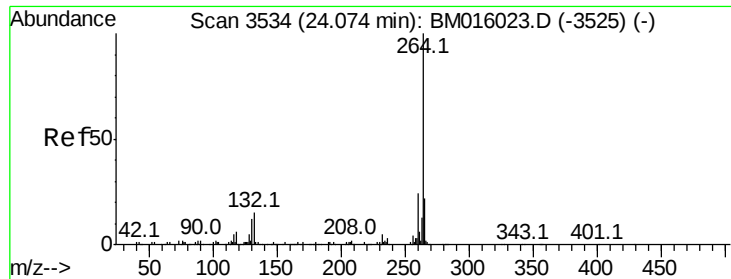


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

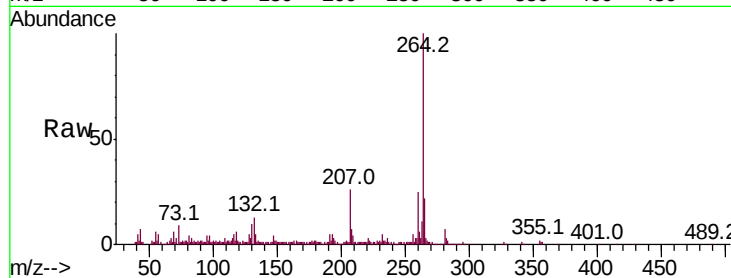




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.97 min Scan# 3517
Delta R.T. -0.01 min
Lab File: BM016235.D
Acq: 08 Aug 2018 02:19

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.6	27.8
265	21.7	17.3	25.9

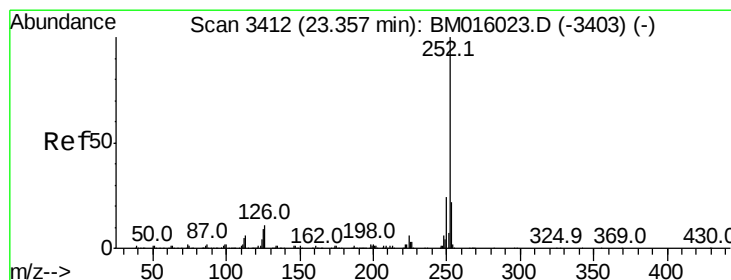
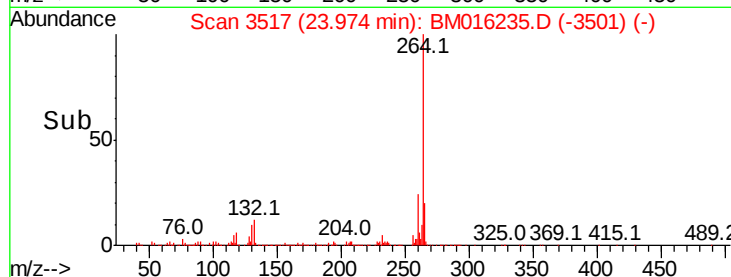
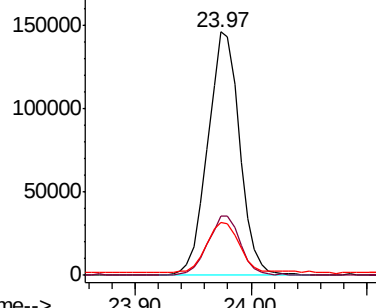


Abundance

Ion 264.00 (263.70 to 264.70): E

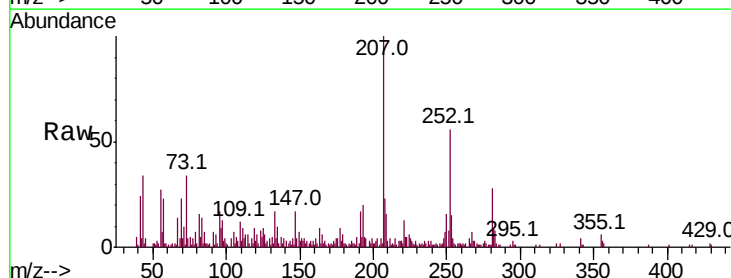
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 2.581 ng
RT: 23.27 min Scan# 3397
Delta R.T. -0.01 min
Lab File: BM016235.D
Acq: 08 Aug 2018 02:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.0	27.0#
125	15.2	9.9	14.9#

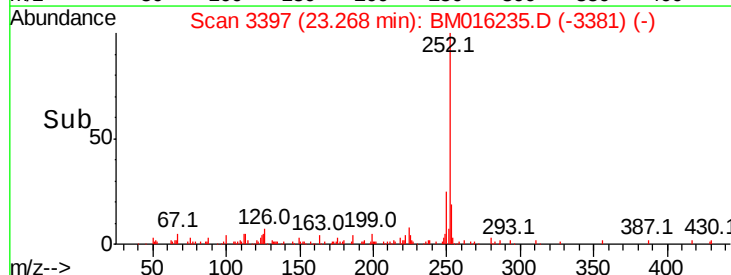
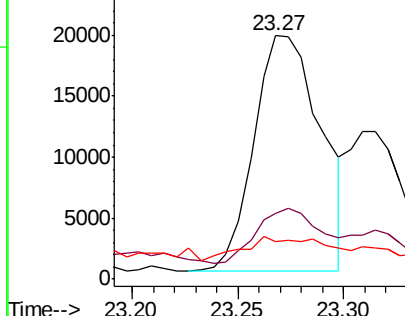


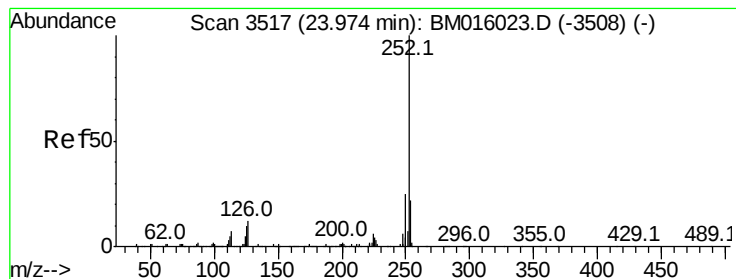
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.185 ng

RT: 23.87 min Scan# 3500

Delta R.T. -0.01 min

Lab File: BM016235.D

Acq: 08 Aug 2018 02:19

Instrument :

BNA_M

ClientSampleId :

OR-02-080318-A

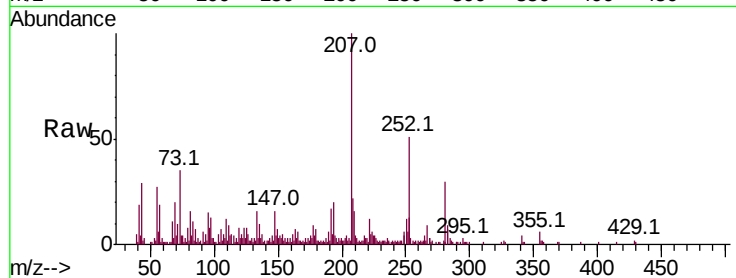
Tot Ion:252 Resp: 34759

Ion Ratio Lower Upper

252 100

253 25.9 17.6 26.4

125 15.9 7.4 11.2#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

