

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080818\
 Data File : BM016255.D
 Acq On : 08 Aug 2018 18:18
 Operator : SJ/JU
 Sample : J4313-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-12

Quant Time: Aug 09 01:40:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 16:23:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	44878	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	161050	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	75003	20.00	ng	0.00
63) Phenanthrene-d10	17.50	188	143816	20.00	ng	0.00
75) Chrysene-d12	21.64	240	156475	20.00	ng	0.00
86) Perylene-d12	23.97	264	174928	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.66	112	258084	95.53	ng	0.00
7) Phenol-d6	7.30	99	310545	88.02	ng	0.00
23) Nitrobenzene-d5	9.32	82	225763	65.20	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	80543	84.67	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	403634	65.48	ng	0.00
78) Terphenyl-d14	20.09	244	490127	65.57	ng	0.00

Target Compounds

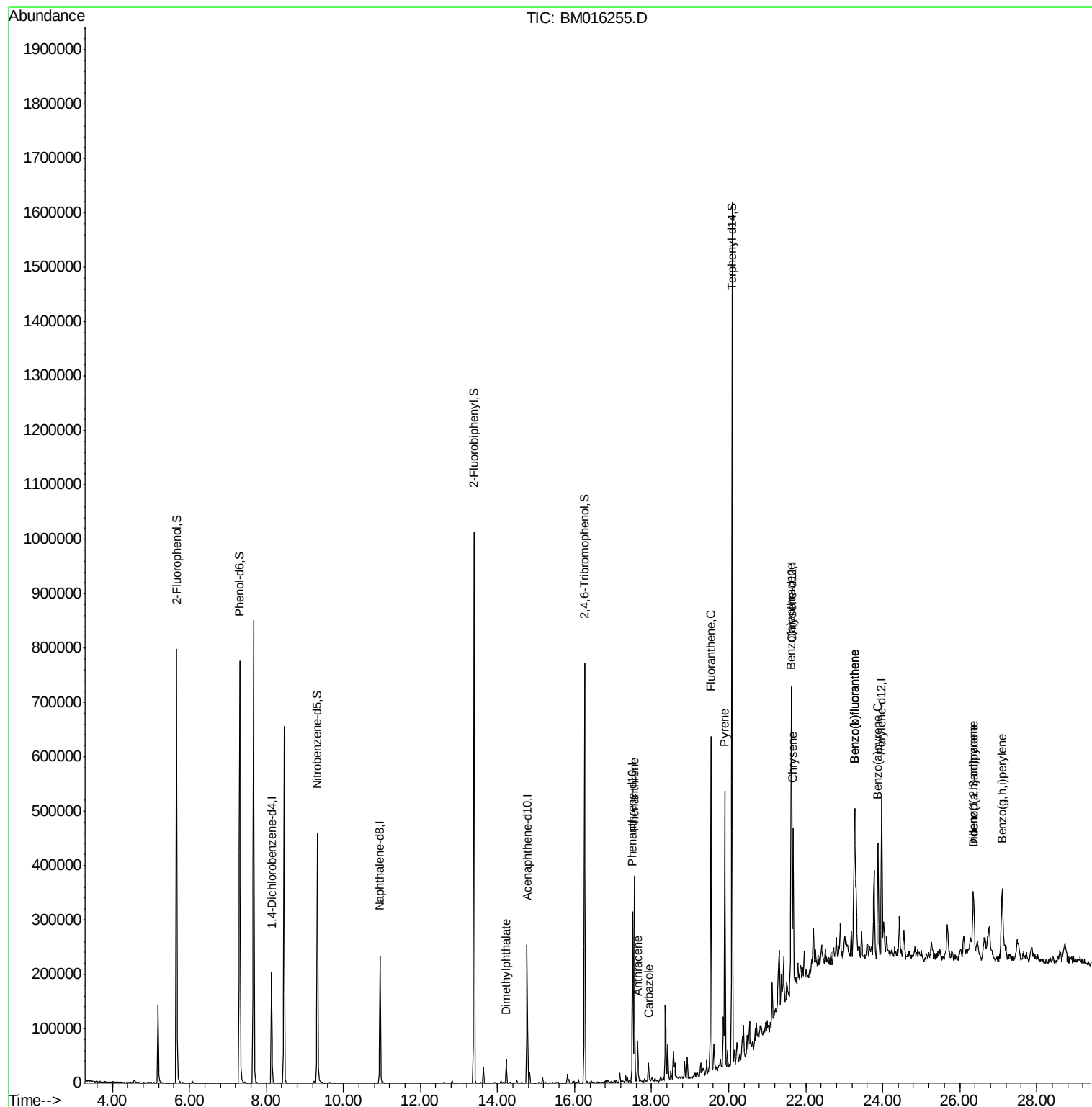
						Qvalue
49) Dimethylphthalate	14.23	163	26258	4.000	ng	99
70) Phenanthrene	17.55	178	190051	23.604	ng	97
71) Anthracene	17.64	178	38554	4.927	ng	98
72) Carbazole	17.92	167	19260	2.376	ng	95
74) Fluoranthene	19.55	202	313278	34.881	ng	99
77) Pyrene	19.90	202	260497	27.780	ng	98
80) Benzo(a)anthracene	21.62	228	158868	16.484	ng	99
82) Chrysene	21.67	228	137322	14.854	ng	95
85) Indeno(1,2,3-cd)pyrene	26.36	276	95202	8.678	ng	# 96
87) Benzo(b)fluoranthene	23.27	252	261629	25.402	ng	# 96
88) Benzo(k)fluoranthene	23.27	252	261398	25.043	ng	97
89) Benzo(a)pyrene	23.87	252	137087	13.846	ng	96
90) Dibenzo(a,h)anthracene	26.36	278	29366	2.863	ng	# 85
91) Benzo(g,h,i)perylene	27.10	276	89892	9.265	ng	# 92

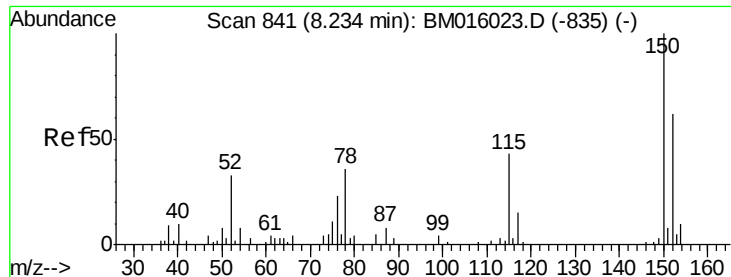
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.14 min Scan# 825

Delta R.T. 0.01 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

Instrument :

BNA_M

ClientSampleId :

C-12

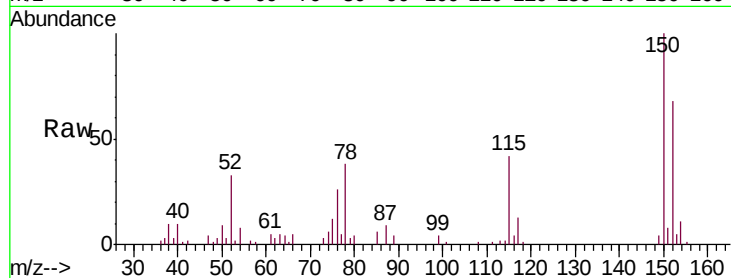
Tgt Ion:152 Resp: 44878

Ion Ratio Lower Upper

152 100

150 146.4 119.5 179.3

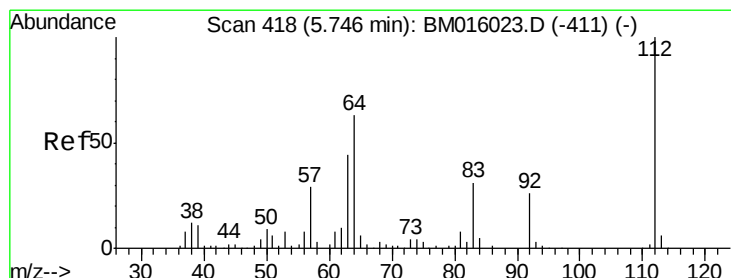
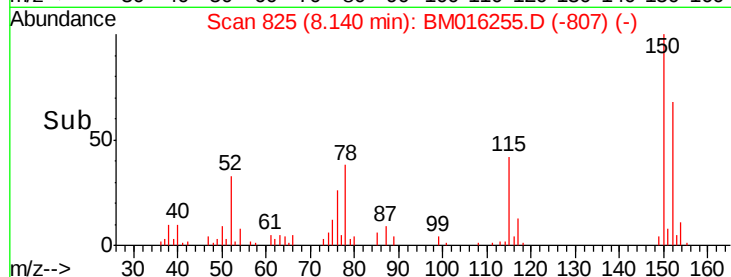
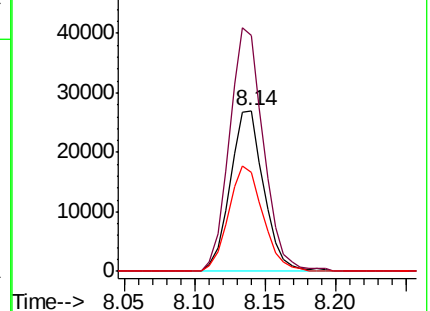
115 61.7 43.0 64.4



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: 5.66 min Scan# 404

Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

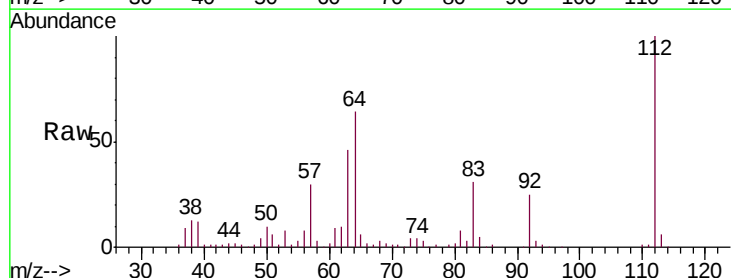
Tgt Ion:112 Resp: 258084

Ion Ratio Lower Upper

112 100

64 64.1 38.6 57.8#

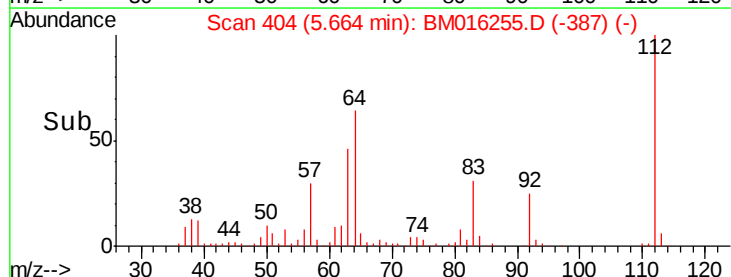
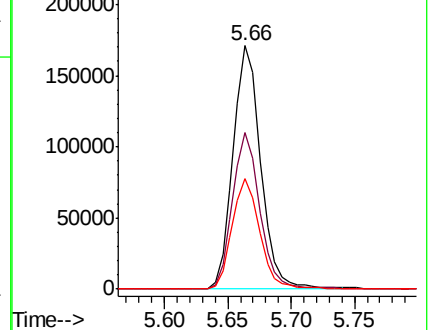
63 45.5 19.3 28.9#

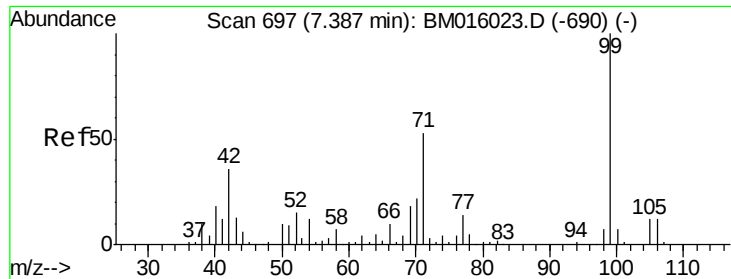


Abundance Ion 112.00 (111.70 to 112.70): E

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: 7.30 min Scan# 683

Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

Instrument :

BNA_M

ClientSampled :

C-12

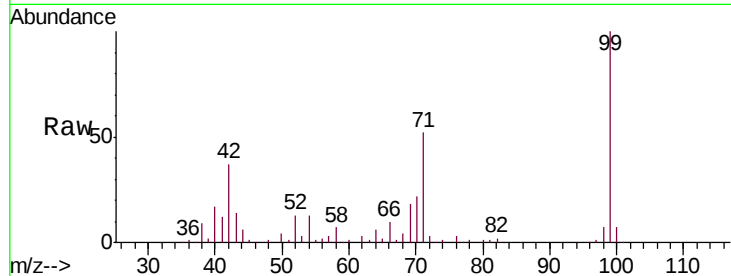
Tgt Ion: 99 Resp: 310545

Ion Ratio Lower Upper

99 100

42 36.9 11.0 16.4#

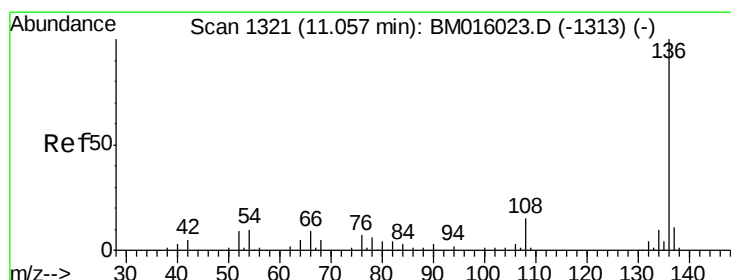
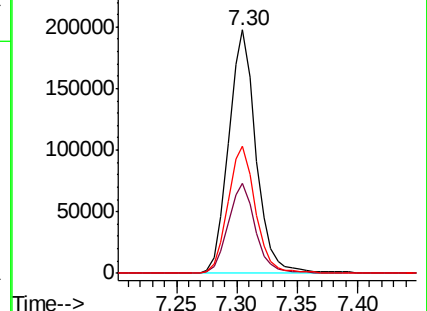
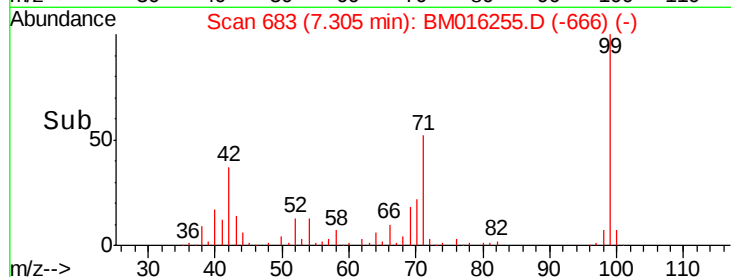
71 52.1 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016255.D (-666) (-)

Ion 42.00 (41.70 to 42.70): BM016255.D (-666) (-)

Ion 71.00 (70.70 to 71.70): BM016255.D (-666) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.95 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

Tgt Ion: 136 Resp: 161050

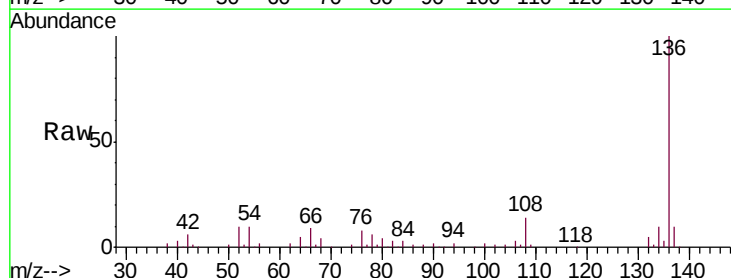
Ion Ratio Lower Upper

136 100

137 10.4 8.7 13.1

54 9.7 4.6 6.8#

68 4.5 3.7 5.5

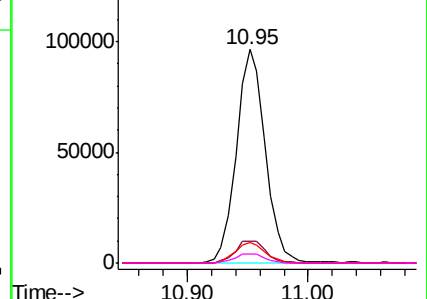
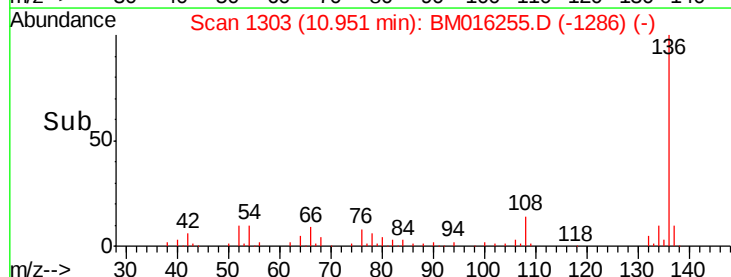


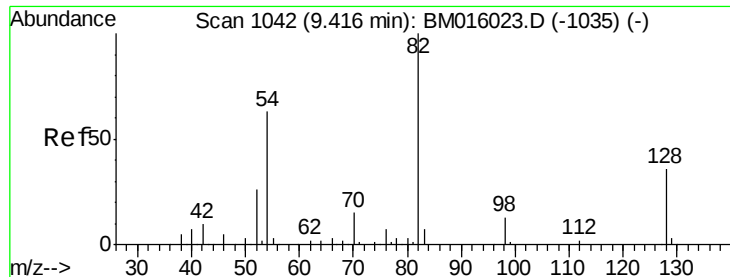
Abundance Ion 136.00 (135.70 to 136.70): BM016255.D (-1286) (-)

Ion 137.00 (136.70 to 137.70): BM016255.D (-1286) (-)

Ion 54.00 (53.70 to 54.70): BM016255.D (-1286) (-)

Ion 68.00 (67.70 to 68.70): BM016255.D (-1286) (-)

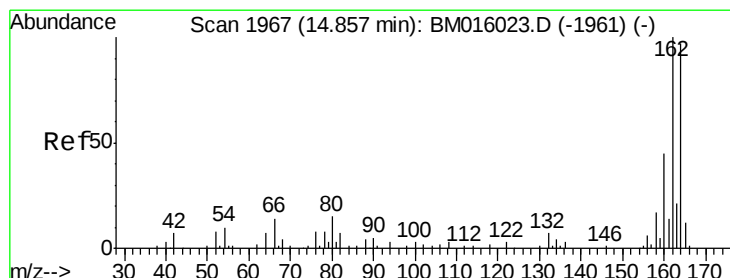
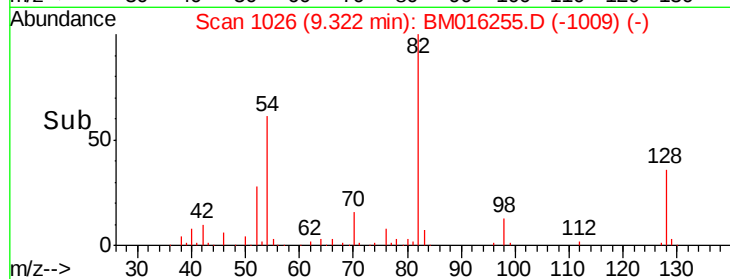
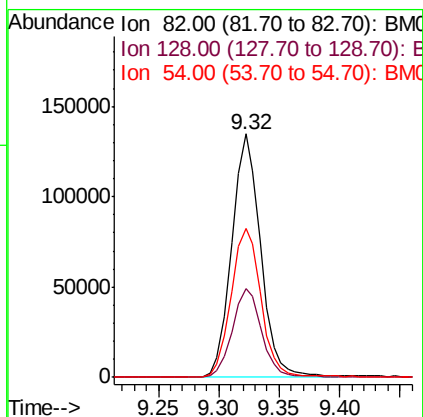
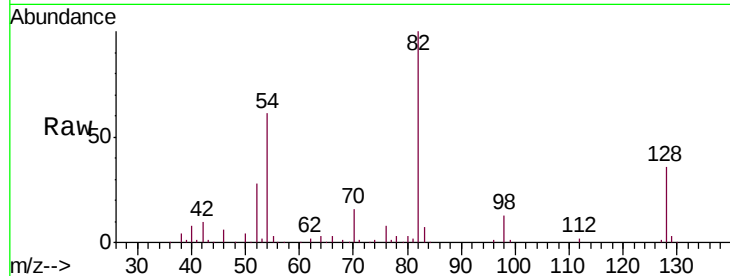




#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.32 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BM016255.D
Acq: 08 Aug 2018 18:18

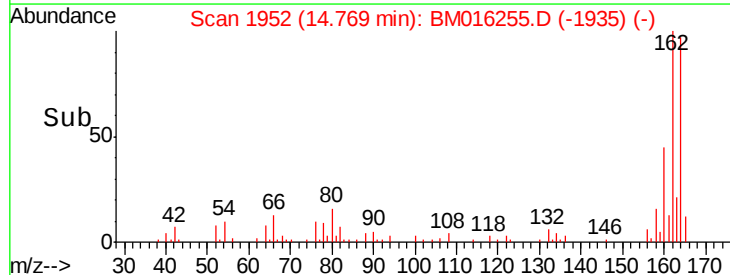
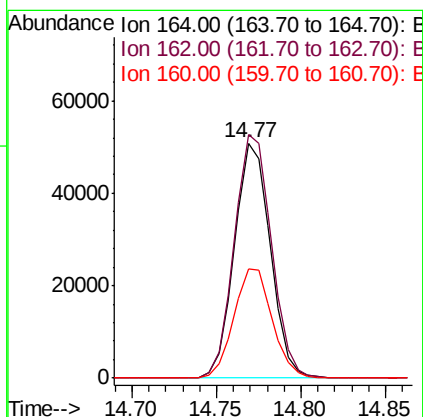
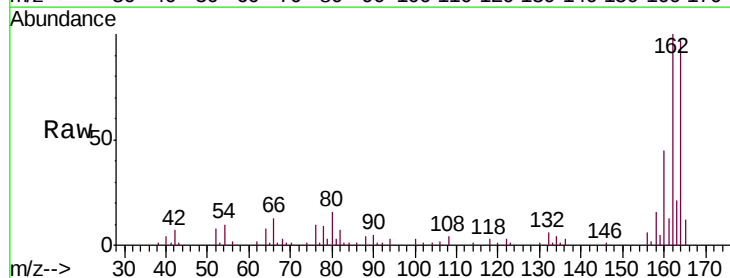
Instrument :
BNA_M
ClientSampled :
C-12

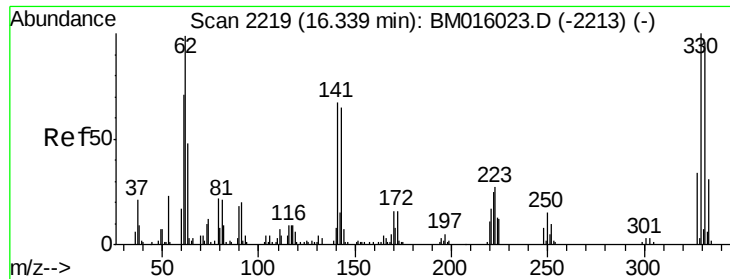
Tgt Ion: 82 Resp: 225763
Ion Ratio Lower Upper
82 100
128 36.4 32.8 49.2
54 61.3 40.6 60.8#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1952
Delta R.T. 0.00 min
Lab File: BM016255.D
Acq: 08 Aug 2018 18:18

Tgt Ion: 164 Resp: 75003
Ion Ratio Lower Upper
164 100
162 103.5 82.4 123.6
160 46.5 35.8 53.6

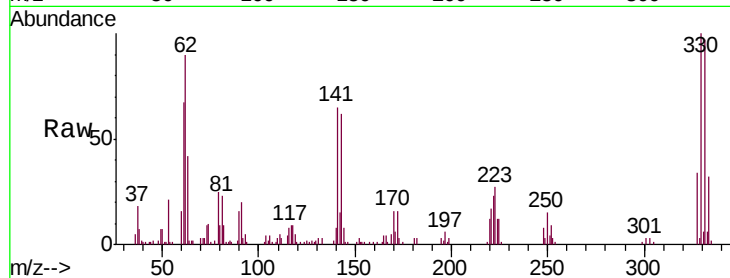




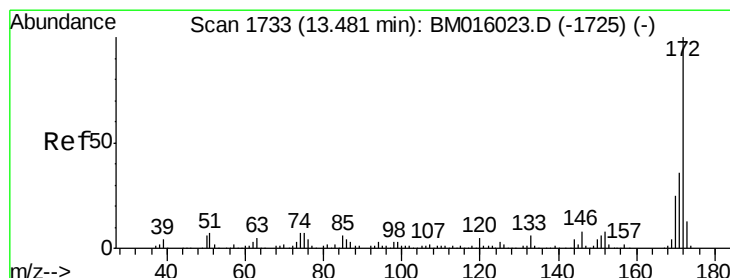
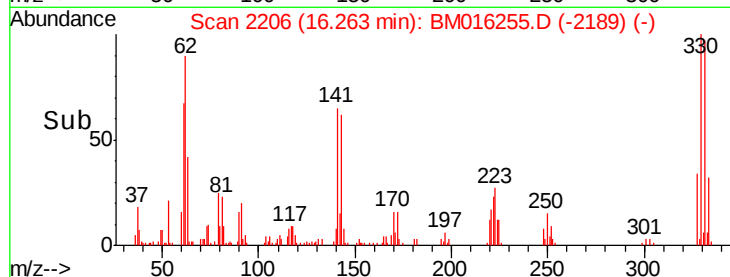
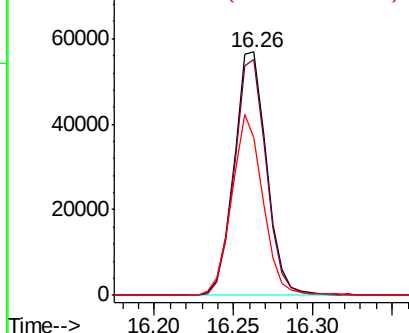
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.26 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BM016255.D
 Acq: 08 Aug 2018 18:18

Instrument :
 BNA_M
 ClientSampled :
 C-12

Tgt Ion: 330 Resp: 80543
 Ion Ratio Lower Upper
 330 100
 332 95.5 0.0 0.0#
 141 71.5 0.0 0.0#

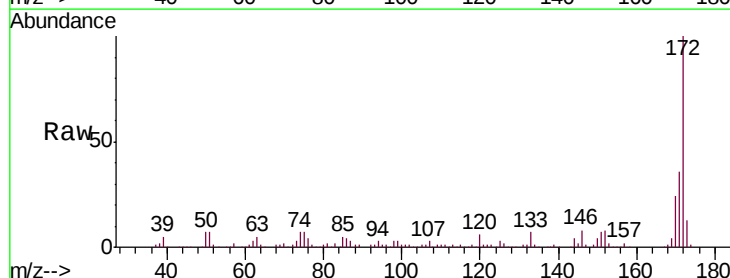


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

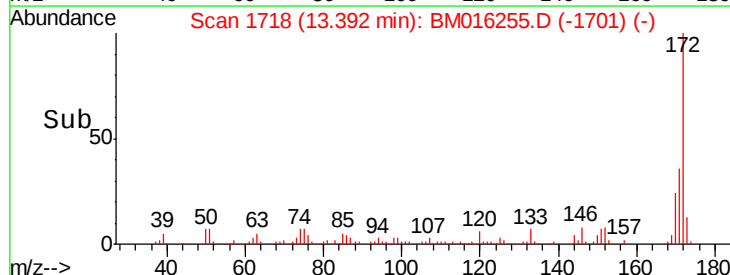
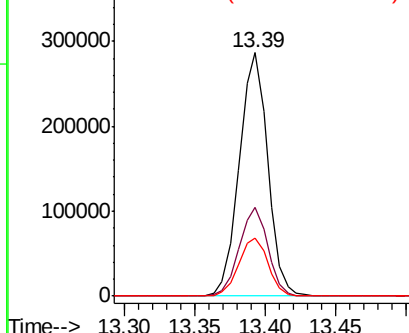


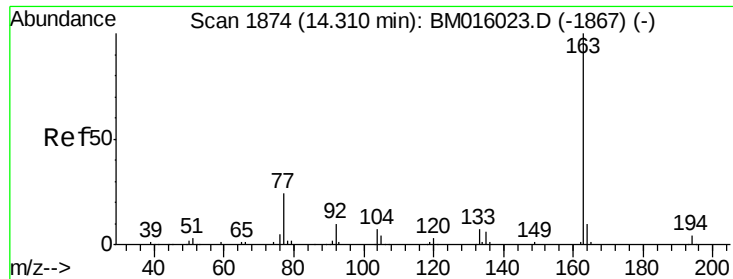
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.39 min Scan# 1718
 Delta R.T. 0.00 min
 Lab File: BM016255.D
 Acq: 08 Aug 2018 18:18

Tgt Ion: 172 Resp: 403634
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.5 42.7
 170 23.9 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





#49

Dimethylphthalate

Concen: 4.000 ng

RT: 14.23 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

Instrument :

BNA_M

ClientSampleId :

C-12

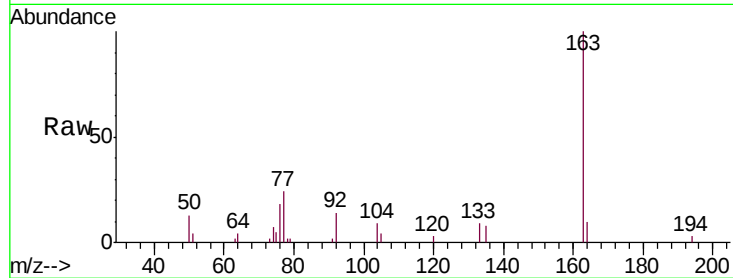
Tgt Ion:163 Resp: 26258

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

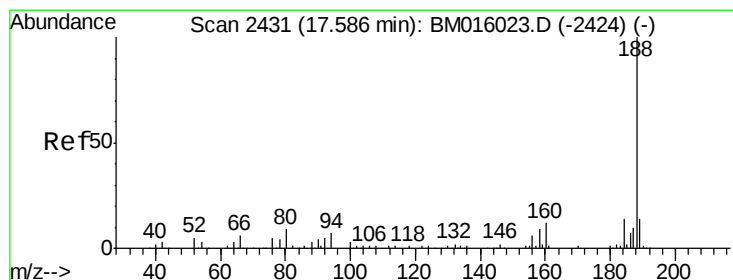
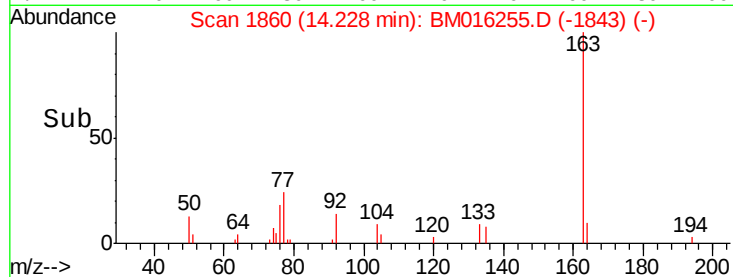
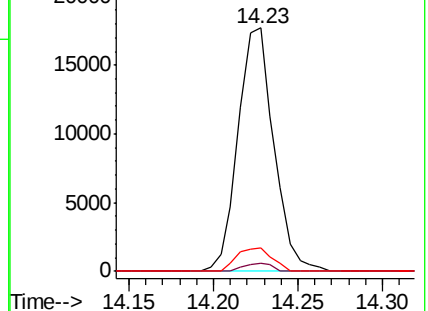
164 9.7 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

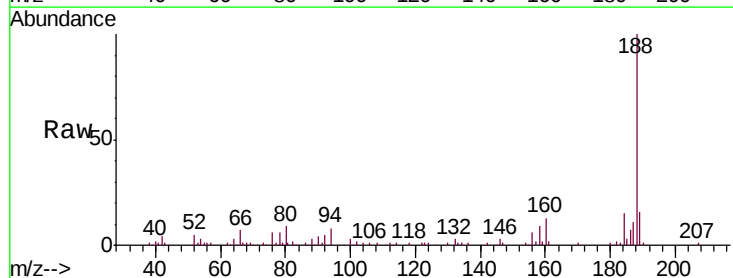
Tgt Ion:188 Resp: 143816

Ion Ratio Lower Upper

188 100

94 8.0 8.7 13.1#

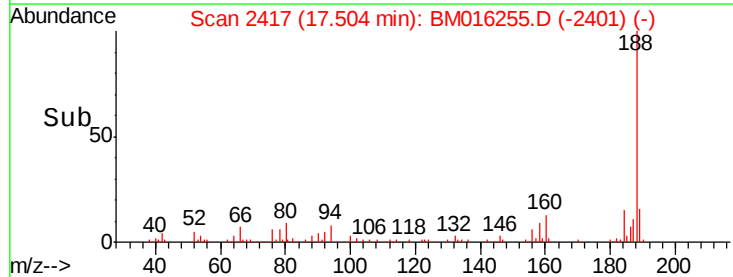
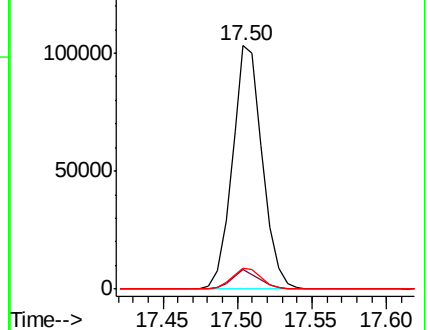
80 8.8 9.3 13.9#

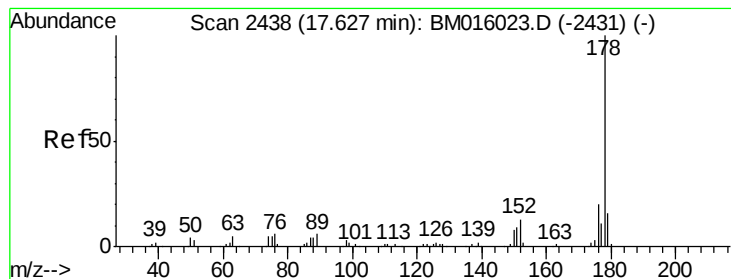


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#70

Phenanthrene

Concen: 23.604 ng

RT: 17.55 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

Instrument :

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ClientSampleId :

C-12

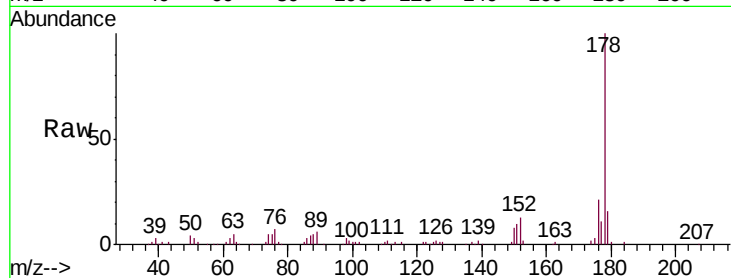
Tgt Ion:178 Resp: 190051

Ion Ratio Lower Upper

178 100

176 20.6 15.2 22.8

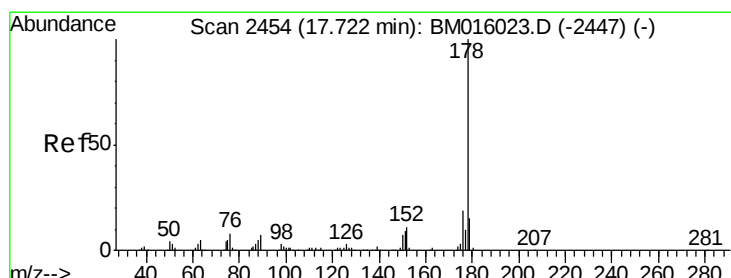
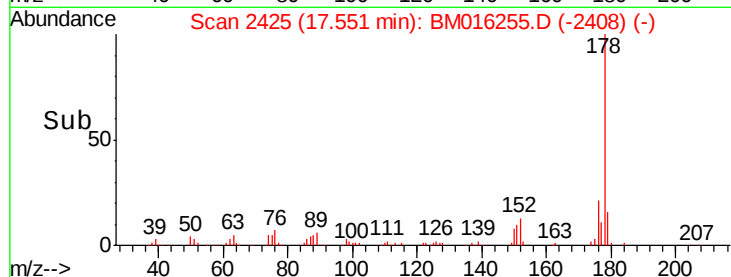
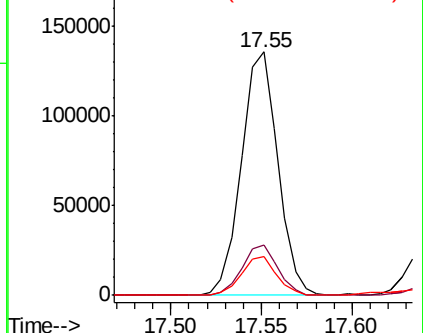
179 16.1 12.1 18.1



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



#71

Anthracene

Concen: 4.927 ng

RT: 17.64 min Scan# 2440

Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

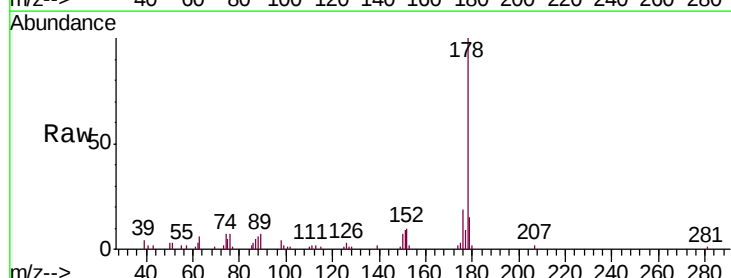
Tgt Ion:178 Resp: 38554

Ion Ratio Lower Upper

178 100

176 19.3 14.6 22.0

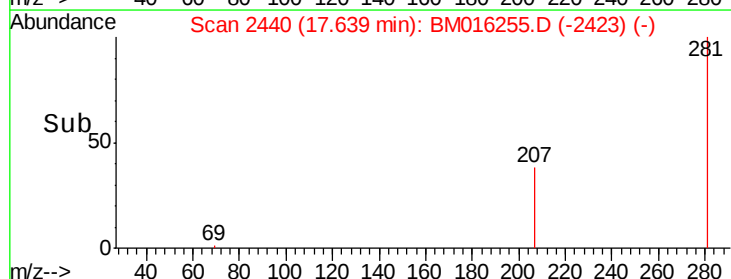
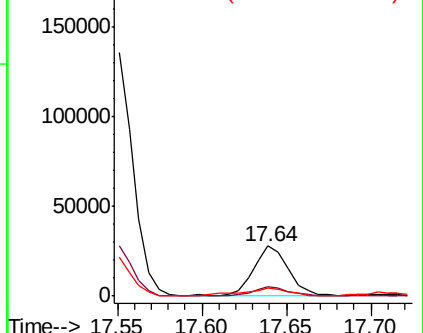
179 15.2 12.6 19.0

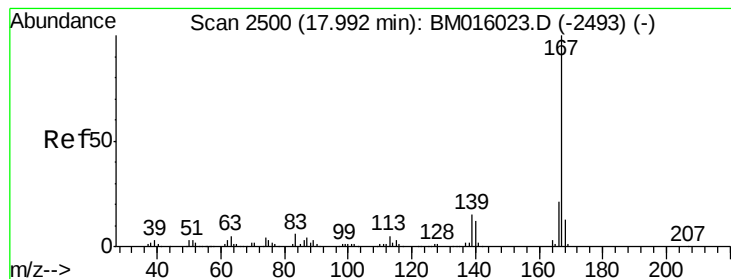


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.376 ng

RT: 17.92 min Scan# 2487

Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

Instrument :

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C-12

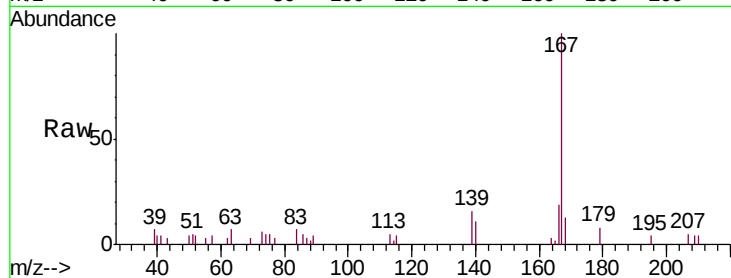
Tgt Ion:167 Resp: 19260

Ion Ratio Lower Upper

167 100

166 19.4 17.2 25.8

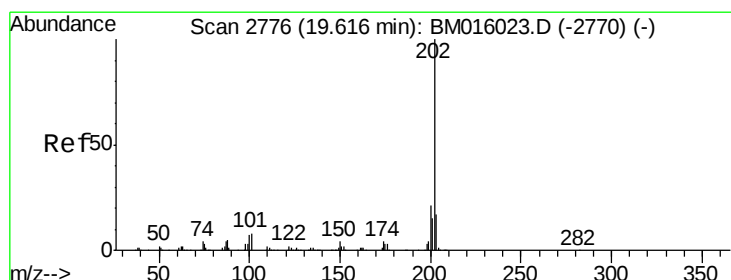
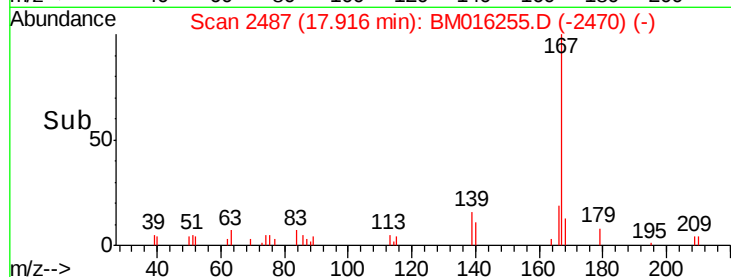
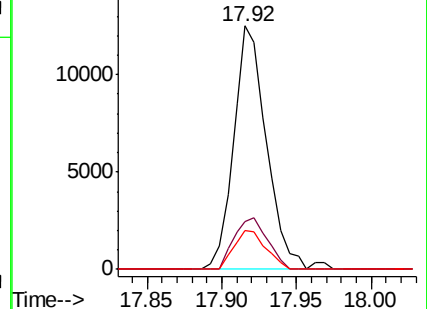
139 15.7 10.8 16.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 34.881 ng

RT: 19.55 min Scan# 2764

Delta R.T. 0.01 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

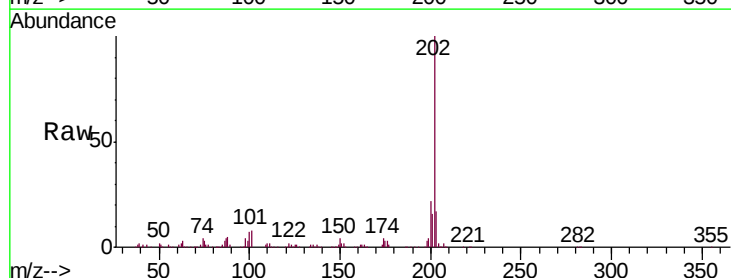
Tgt Ion:202 Resp: 313278

Ion Ratio Lower Upper

202 100

101 7.6 0.0 28.7

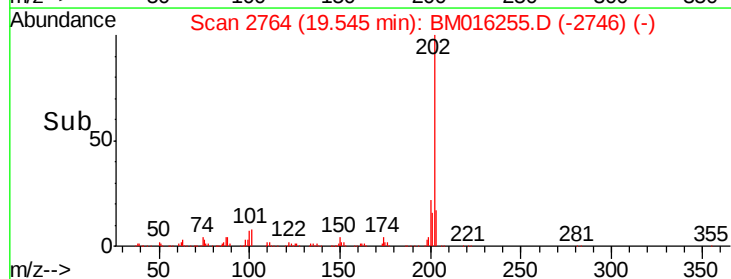
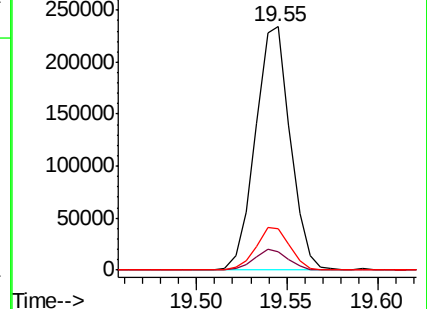
203 17.2 0.0 37.2

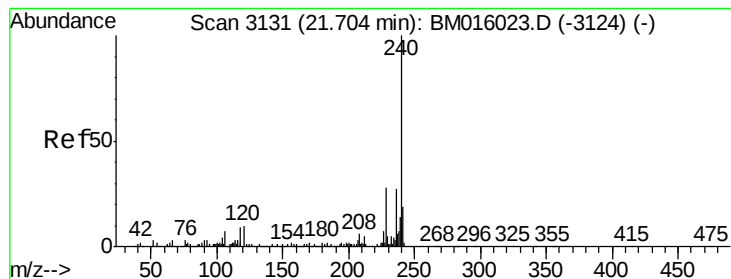


Abundance Ion 202.00 (201.70 to 202.70): E

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. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

Instrument :

BNA_M

ClientSampleId :

C-12

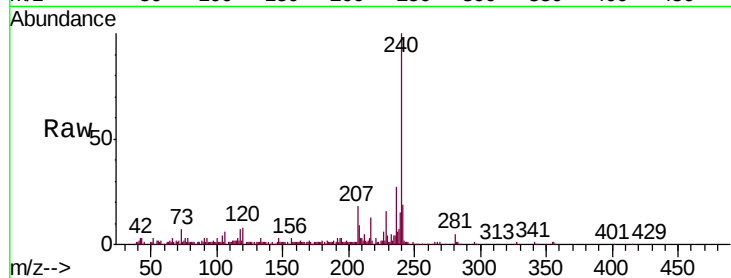
Tgt Ion:240 Resp: 156475

Ion Ratio Lower Upper

240 100

120 7.6 8.2 12.2#

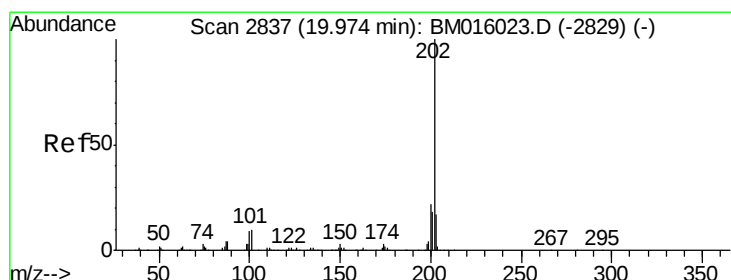
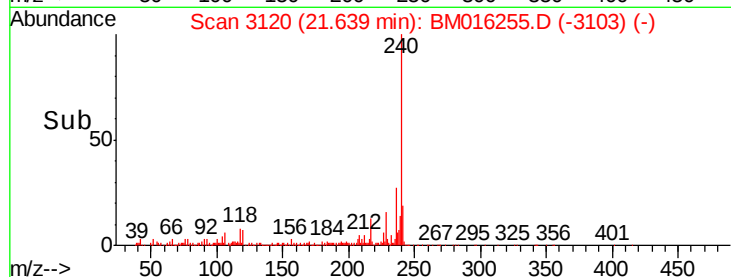
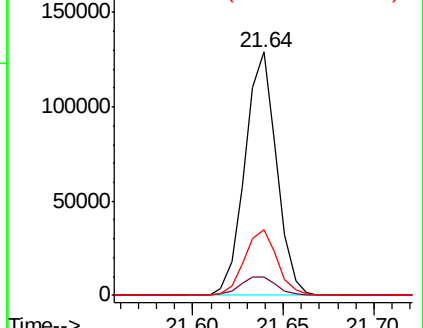
236 27.1 20.0 30.0



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

Pyrene

Concen: 27.780 ng

RT: 19.90 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

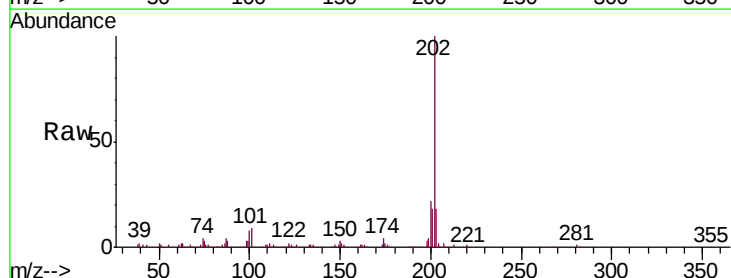
Tgt Ion:202 Resp: 260497

Ion Ratio Lower Upper

202 100

200 22.3 16.9 25.3

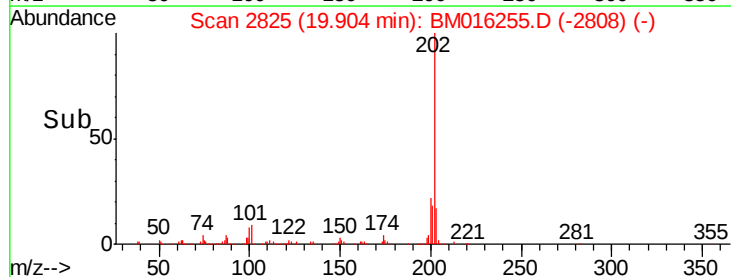
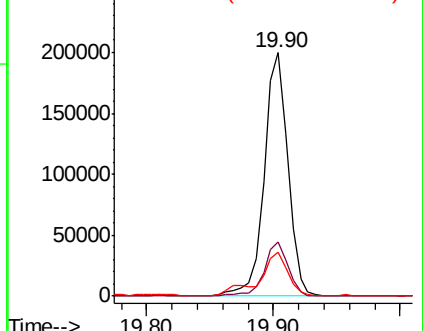
203 17.9 14.1 21.1

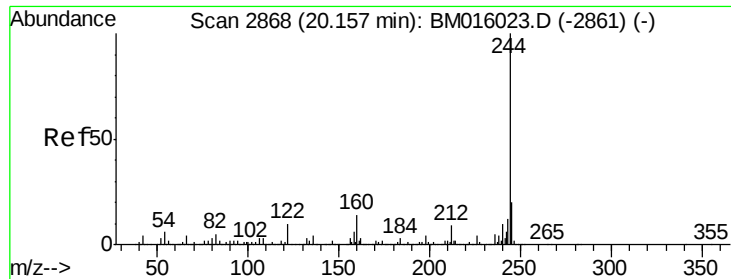


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 27.780 ng

RT: 20.09 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

Instrument :

BNA_M

ClientSampled :

C-12

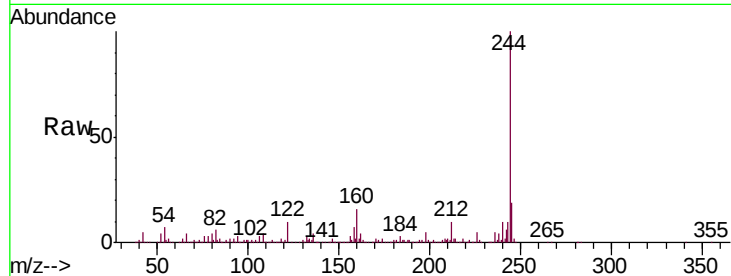
Tgt Ion:244 Resp: 490127

Ion Ratio Lower Upper

244 100

212 10.0 4.9 7.3#

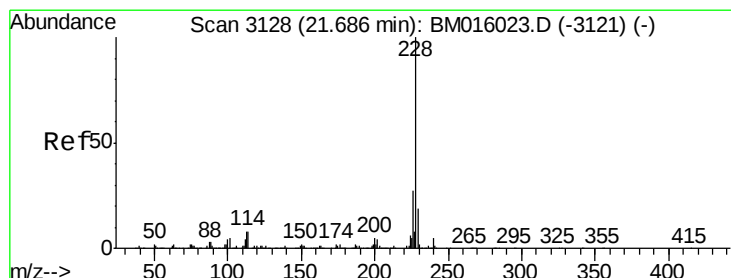
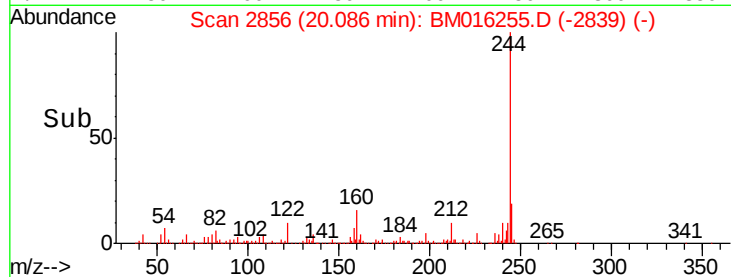
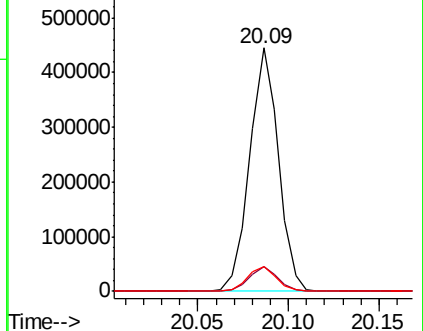
122 10.2 6.2 9.4#



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



#80

Benzo(a)anthracene

Concen: 16.484 ng

RT: 21.62 min Scan# 3117

Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

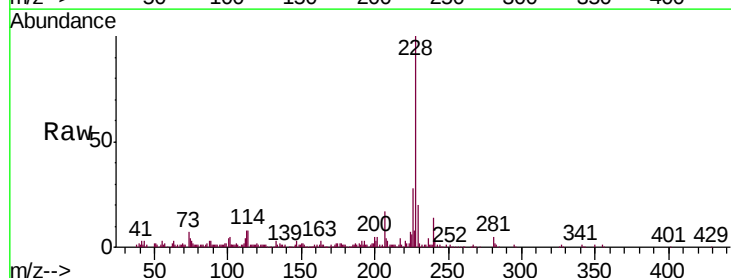
Tgt Ion:228 Resp: 158868

Ion Ratio Lower Upper

228 100

226 28.0 21.7 32.5

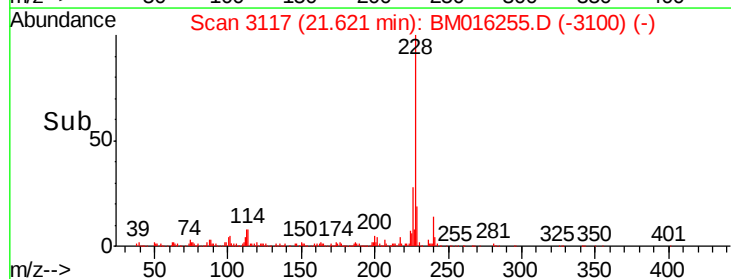
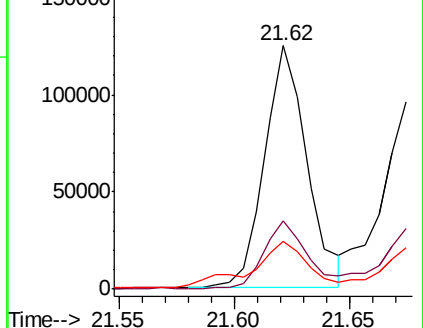
229 19.5 16.0 24.0

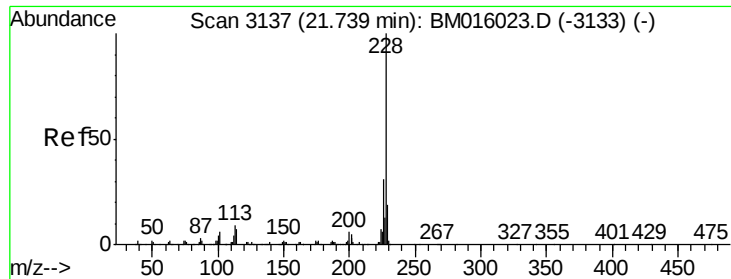


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 14.854 ng

RT: 21.67 min Scan# 3126

Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

Instrument :

BNA_M

ClientSampleId :

C-12

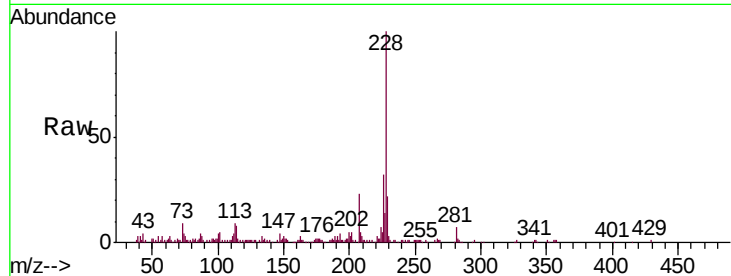
Tgt Ion:228 Resp: 137322

Ion Ratio Lower Upper

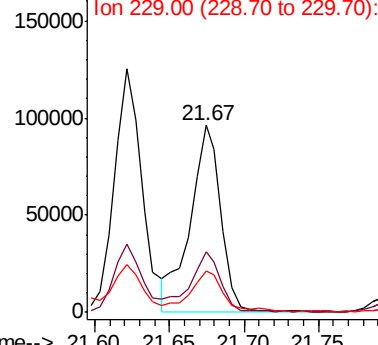
228 100

226 32.1 24.1 36.1

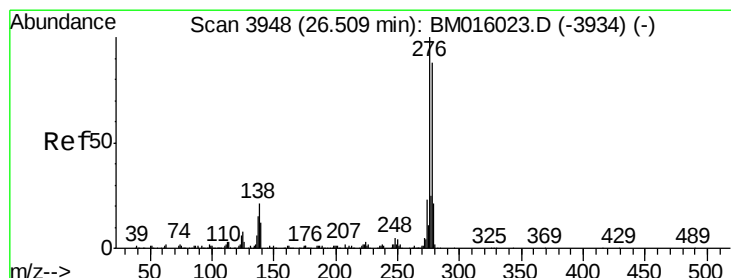
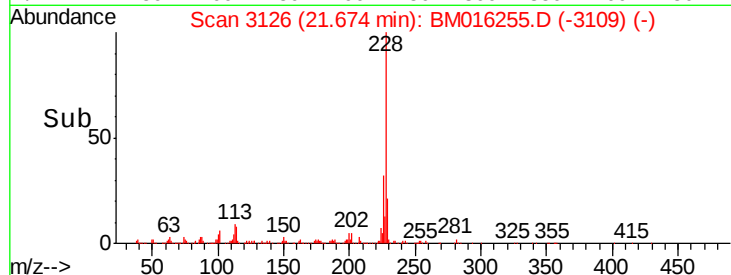
229 22.4 15.5 23.3



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



Time--> 21.60 21.65 21.70 21.75



#85

Indeno(1,2,3-cd)pyrene

Concen: 8.678 ng

RT: 26.36 min Scan# 3923

Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

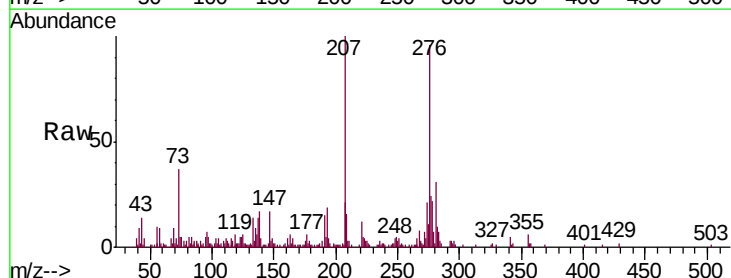
Tgt Ion:276 Resp: 95202

Ion Ratio Lower Upper

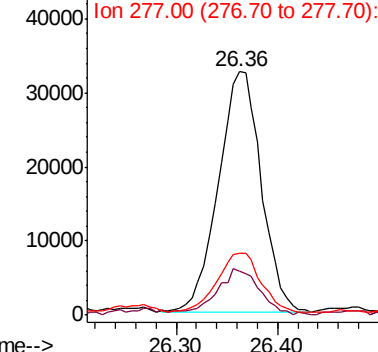
276 100

138 19.1 12.0 18.0#

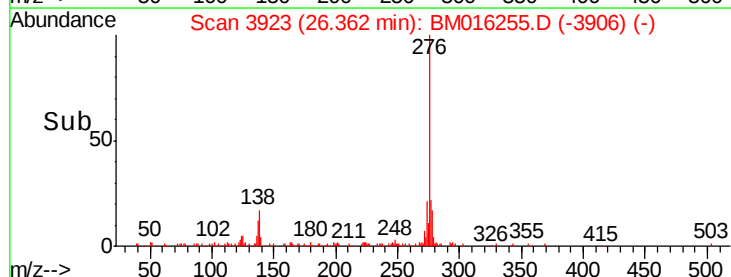
277 25.0 20.0 30.0

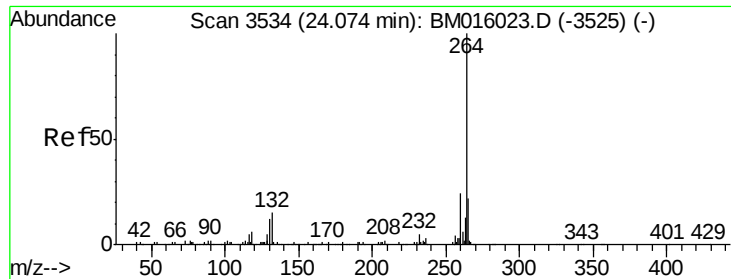


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time--> 26.30 26.40



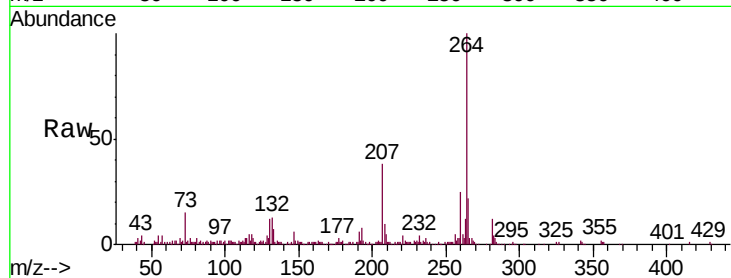


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.97 min Scan# 3517
Delta R.T. 0.00 min
Lab File: BM016255.D
Acq: 08 Aug 2018 18:18

Instrument :
BNA_M
ClientSampleId :
C-12

Tgt Ion: 264 Resp: 174928

Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.6	27.8
265	21.7	17.3	25.9

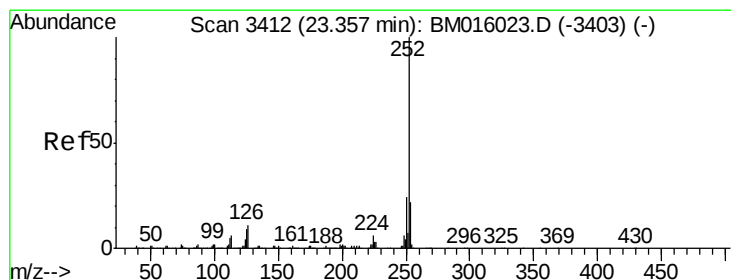
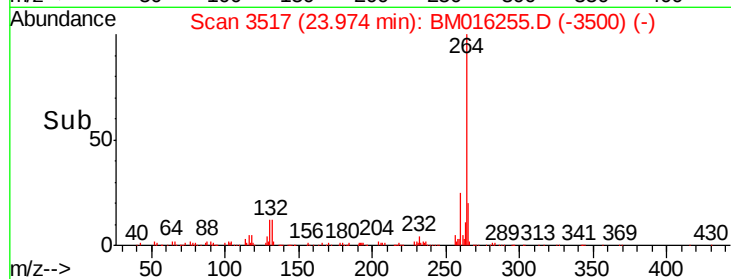
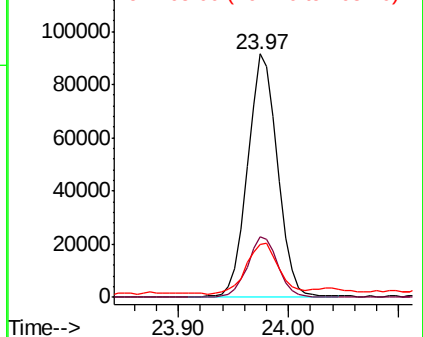


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

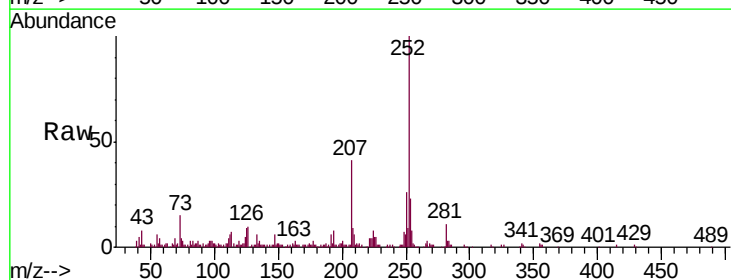
Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 25.402 ng
RT: 23.27 min Scan# 3398
Delta R.T. 0.01 min
Lab File: BM016255.D
Acq: 08 Aug 2018 18:18

Tgt Ion: 252 Resp: 261629

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	8.9	9.9	14.9

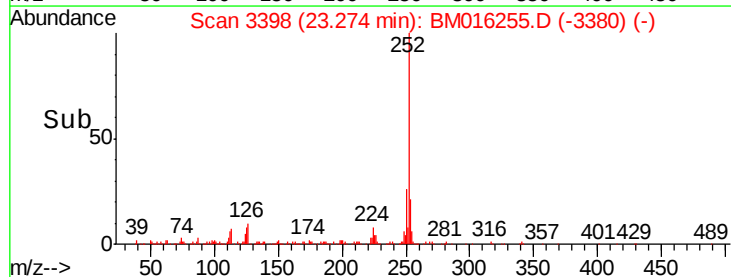
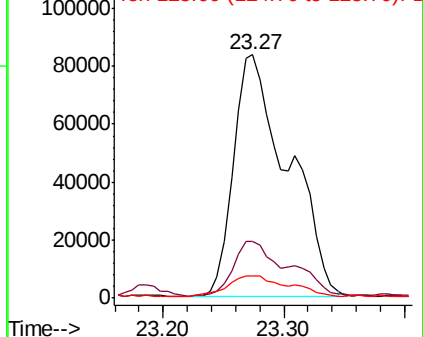


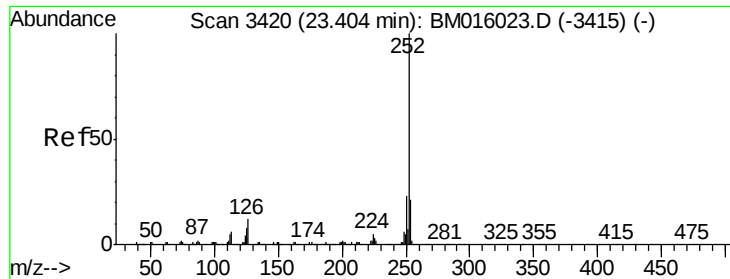
Abundance

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





#88

Benzo(k)fluoranthene

Concen: 25.043 ng

RT: 23.27 min Scan# 3398

Delta R.T. -0.04 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

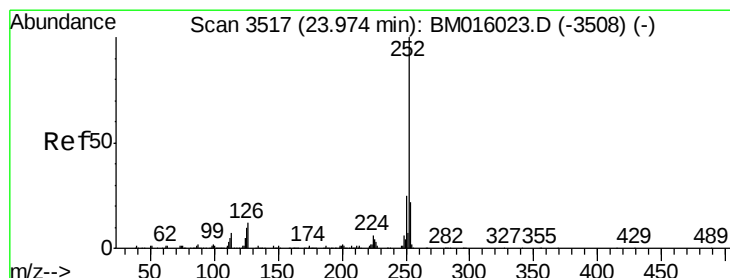
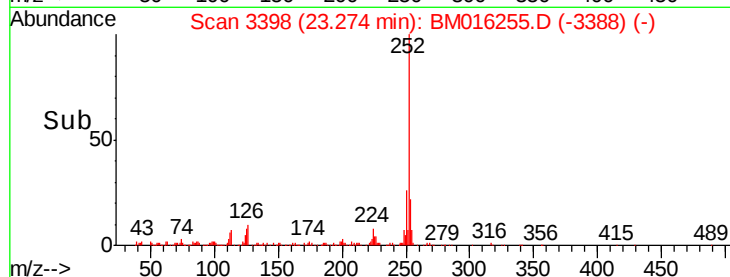
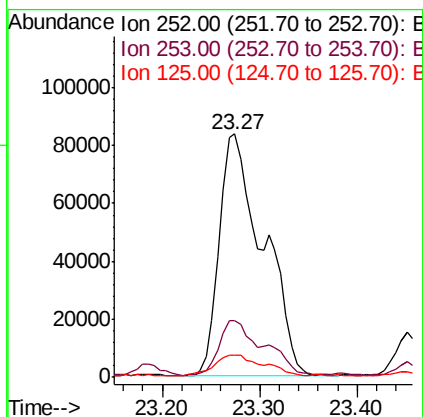
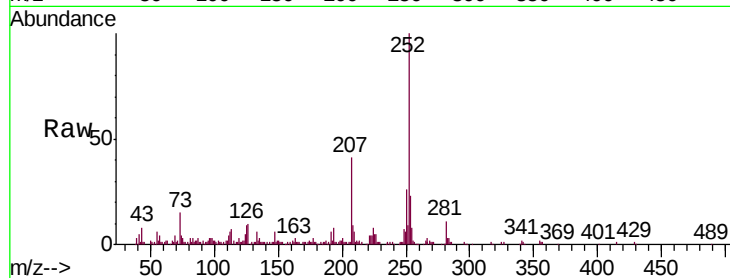
Instrument :

BNA_M

ClientSampleId :

C-12

Tgt Ion:	252	Resp:	261398
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.2	25.8
125	8.9	8.1	12.1



#89

Benzo(a)pyrene

Concen: 13.846 ng

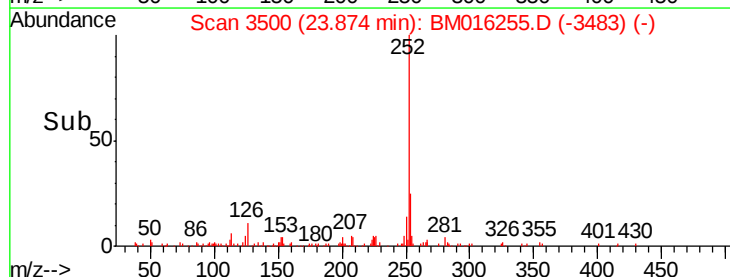
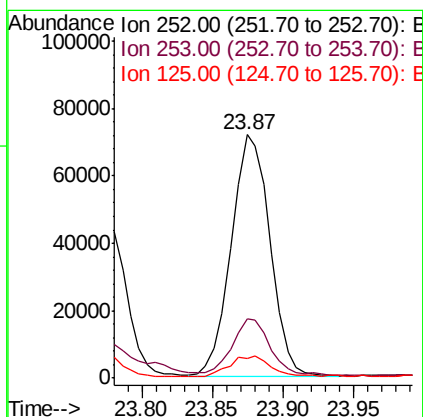
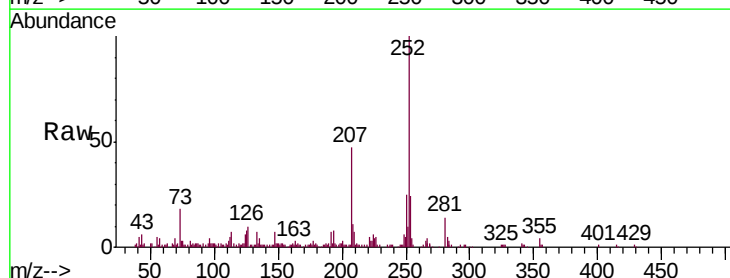
RT: 23.87 min Scan# 3500

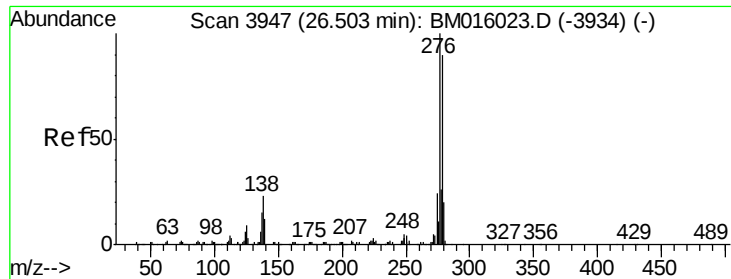
Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

Tgt Ion:	252	Resp:	137087
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.6	26.4
125	8.2	7.4	11.2





#90

Dibenzo(a,h)anthracene

Concen: 2.863 ng

RT: 26.36 min Scan# 3922

Delta R.T. -0.01 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

Instrument :

BNA_M

ClientSampleId :

C-12

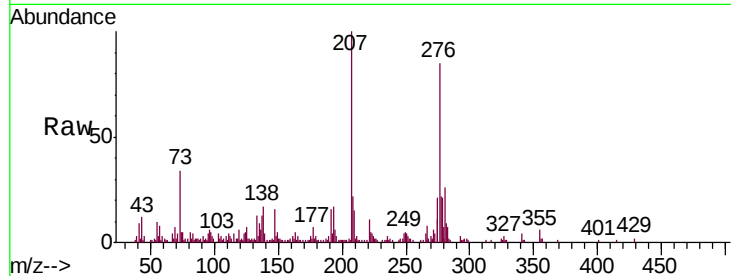
Tgt Ion:278 Resp: 29366

Ion Ratio Lower Upper

278 100

139 20.2 13.4 20.0#

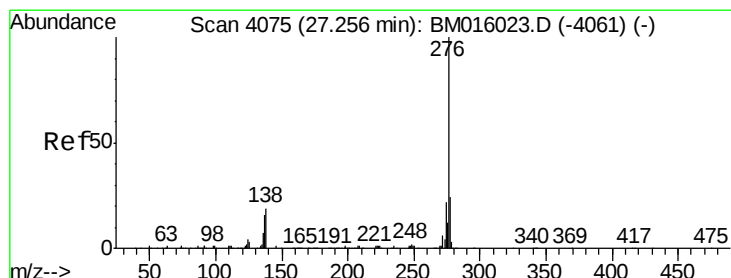
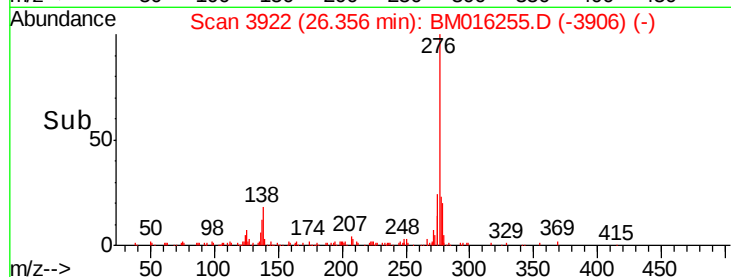
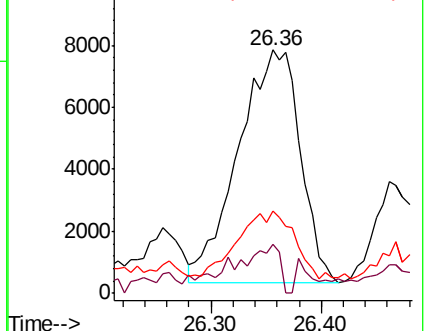
279 33.7 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 9.265 ng

RT: 27.10 min Scan# 4049

Delta R.T. 0.01 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

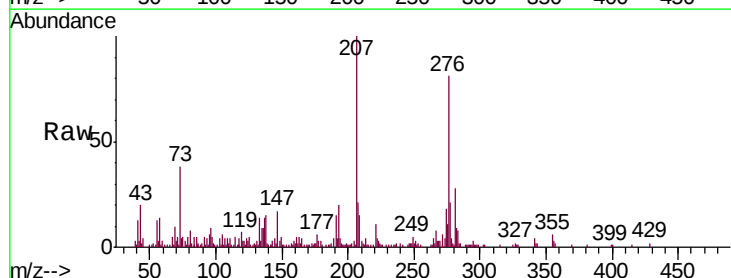
Tgt Ion:276 Resp: 89892

Ion Ratio Lower Upper

276 100

277 26.0 18.5 27.7

138 18.4 19.0 28.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

