

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080818\
 Data File : BM016257.D
 Acq On : 08 Aug 2018 19:32
 Operator : SJ/JU
 Sample : J4313-19
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-14

Quant Time: Aug 09 01:40:45 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	8.13	152	40962	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	151119	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	71422	20.00	ng	0.00
63) Phenanthrene-d10	17.51	188	141440	20.00	ng	0.00
75) Chrysene-d12	21.64	240	155749	20.00	ng	0.00
86) Perylene-d12	23.98	264	175827	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	182270	73.92	ng	0.00
7) Phenol-d6	7.30	99	210610	65.40	ng	0.00
23) Nitrobenzene-d5	9.32	82	158047	48.64	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	52941	58.44	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	268964	45.82	ng	0.00
78) Terphenyl-d14	20.09	244	343241	46.13	ng	0.00

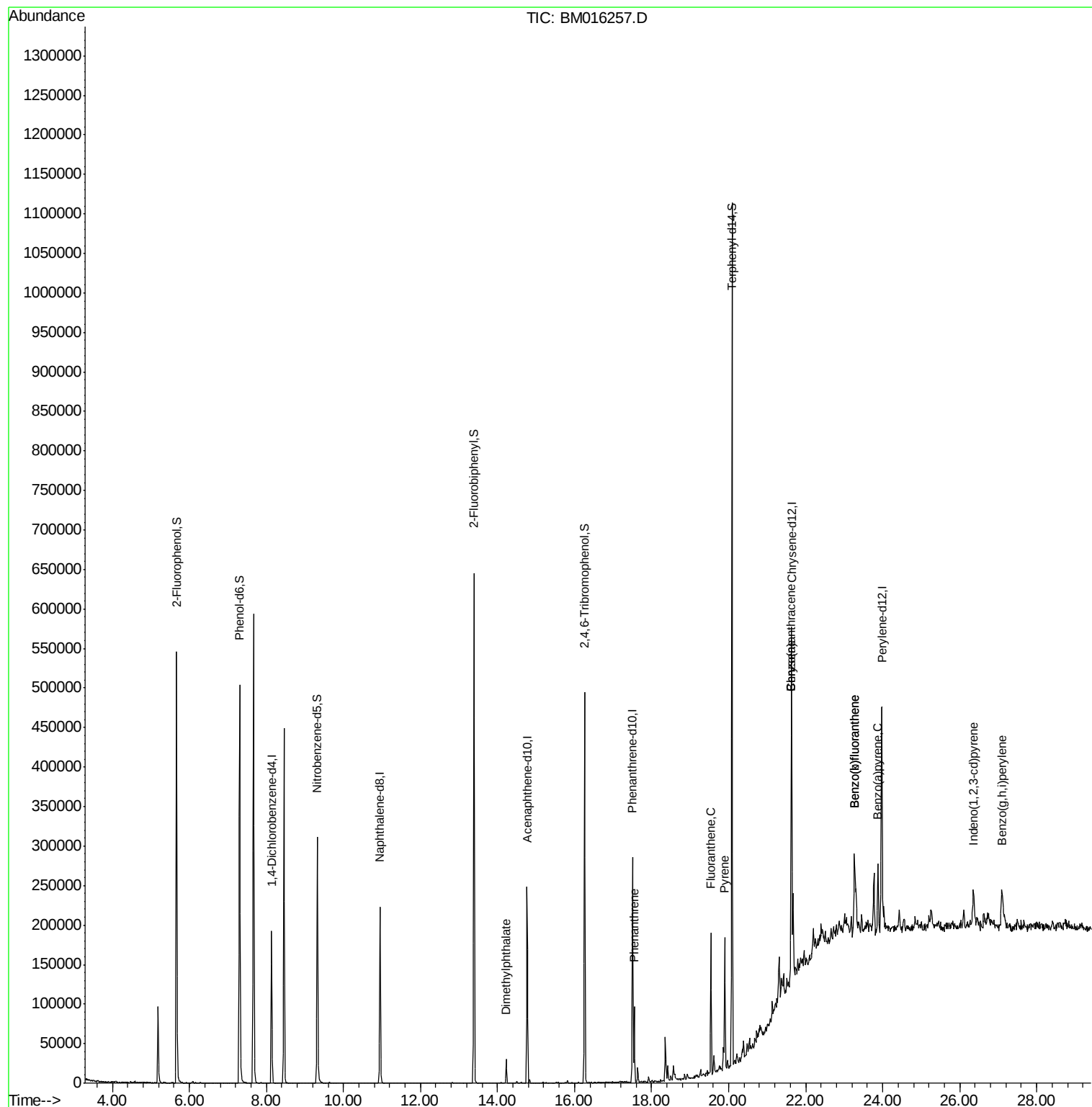
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	14.22	163	17608	2.817	ng	# 96
70) Phenanthrene	17.55	178	50115	6.329	ng	99
74) Fluoranthene	19.54	202	94452	10.693	ng	98
77) Pyrene	19.90	202	87923	9.420	ng	97
80) Benzo(a)anthracene	21.62	228	56814	5.923	ng	99
82) Chrysene	21.62	228	55325	6.012	ng	95
85) Indeno(1,2,3-cd)pyrene	26.36	276	38230	3.501	ng	# 94
87) Benzo(b)fluoranthene	23.27	252	74546	7.201	ng	# 95
88) Benzo(k)fluoranthene	23.27	252	73135	6.971	ng	96
89) Benzo(a)pyrene	23.87	252	55272	5.554	ng	# 94
91) Benzo(g,h,i)perylene	27.10	276	35789	3.670	ng	# 88

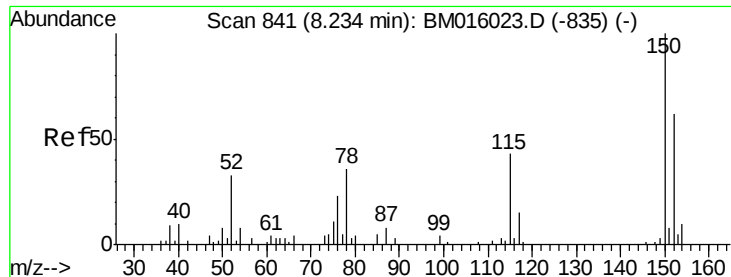
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080818\
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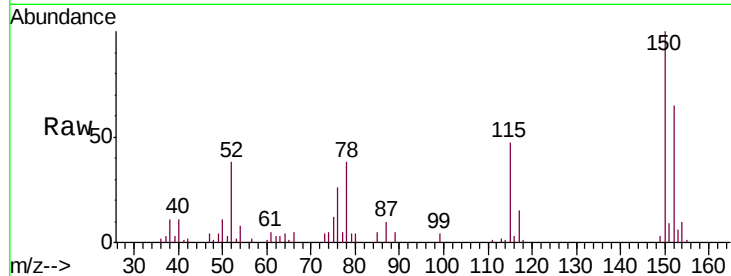


#1

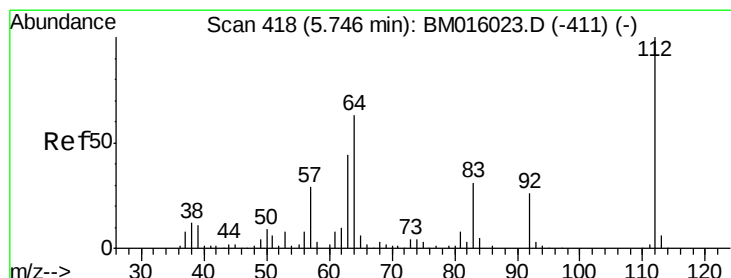
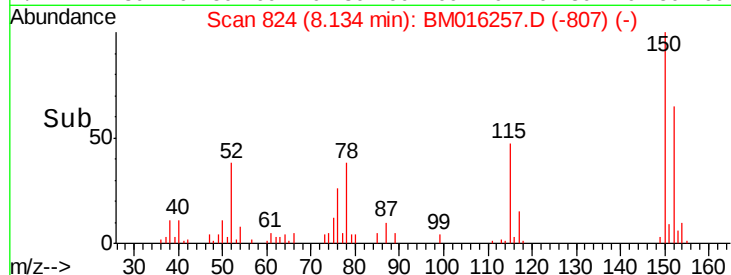
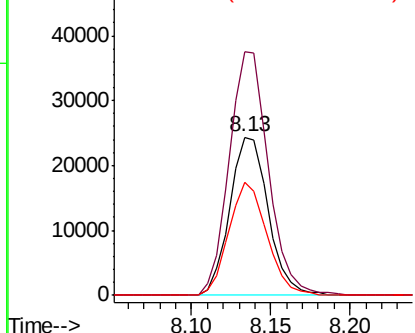
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 824
Delta R.T. 0.00 min
Lab File: BM016257.D
Acq: 08 Aug 2018 19:32

Instrument :
BNA_M
ClientSampled :
C-14

Tgt Ion:152 Resp: 40962
Ion Ratio Lower Upper
152 100
150 154.2 119.5 179.3
115 72.0 43.0 64.4#



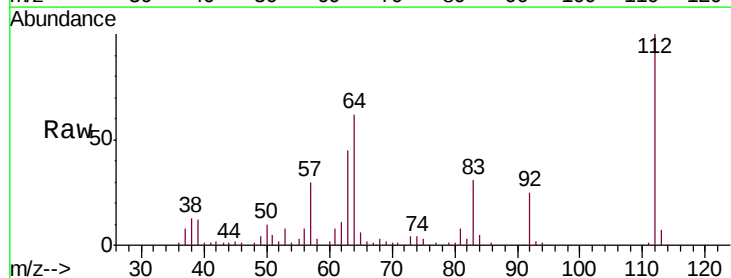
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



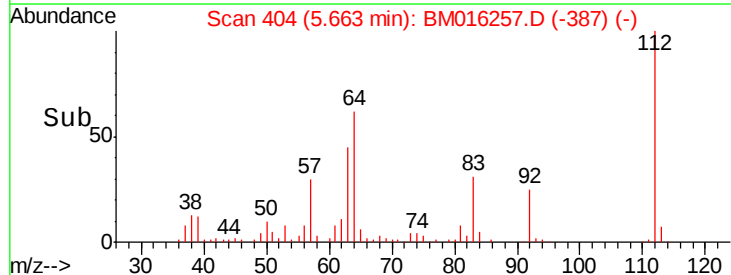
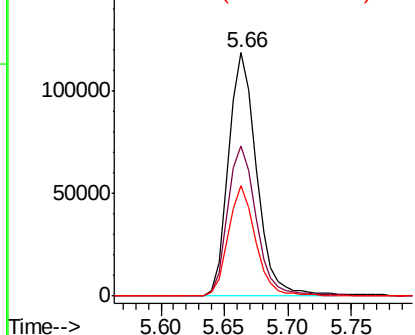
#5

2-Fluorophenol
Concen: N.D. ng
RT: 5.66 min Scan# 404
Delta R.T. 0.00 min
Lab File: BM016257.D
Acq: 08 Aug 2018 19:32

Tgt Ion:112 Resp: 182270
Ion Ratio Lower Upper
112 100
64 61.5 38.6 57.8#
63 45.3 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: BM016257.D

Acq: 08 Aug 2018 19:32

Instrument :

BNA_M

ClientSampled :

C-14

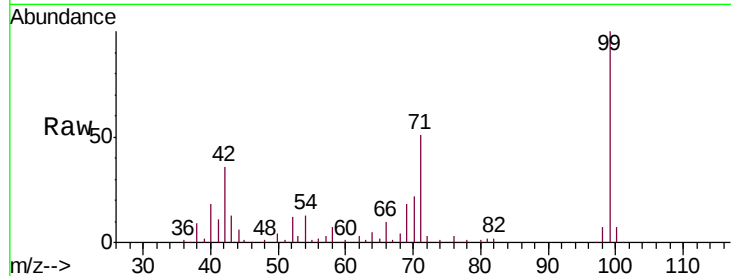
Tgt Ion: 99 Resp: 210610

Ion Ratio Lower Upper

99 100

42 35.6 11.0 16.4#

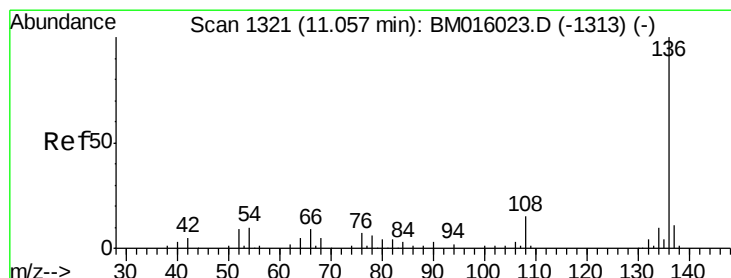
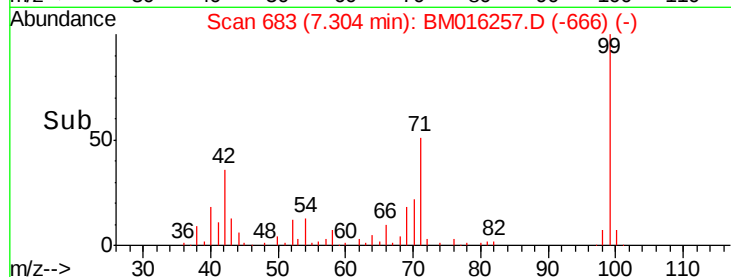
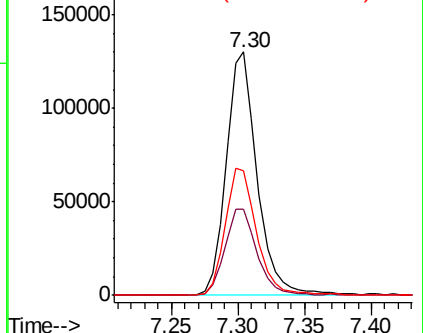
71 51.1 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016257.D (-666) (-)

Ion 42.00 (41.70 to 42.70): BM016257.D (-666) (-)

Ion 71.00 (70.70 to 71.70): BM016257.D (-666) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.95 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM016257.D

Acq: 08 Aug 2018 19:32

Tgt Ion: 136 Resp: 151119

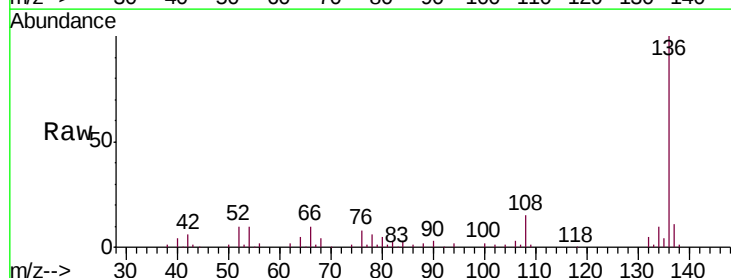
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 9.8 4.6 6.8#

68 4.1 3.7 5.5

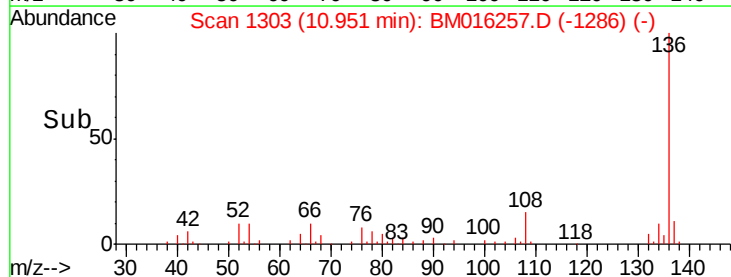
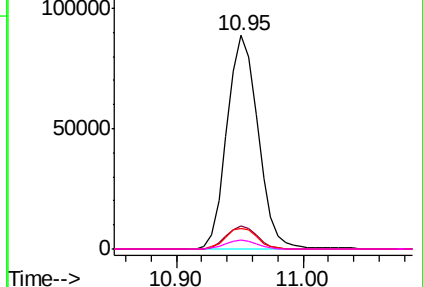


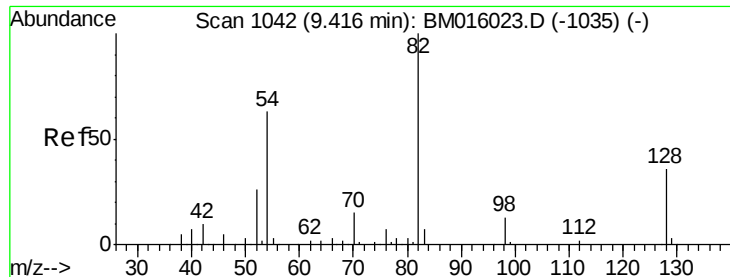
Abundance Ion 136.00 (135.70 to 136.70): BM016257.D (-1286) (-)

Ion 137.00 (136.70 to 137.70): BM016257.D (-1286) (-)

Ion 54.00 (53.70 to 54.70): BM016257.D (-1286) (-)

Ion 68.00 (67.70 to 68.70): BM016257.D (-1286) (-)

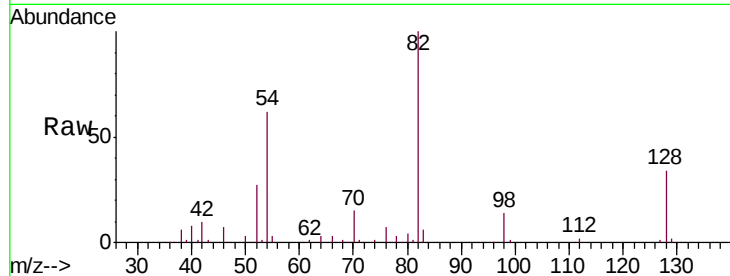




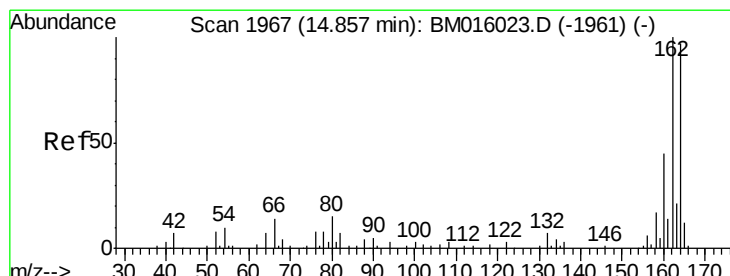
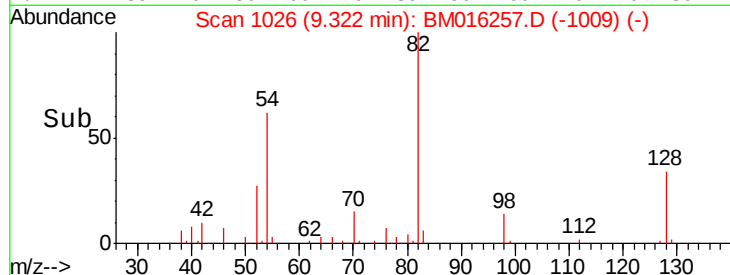
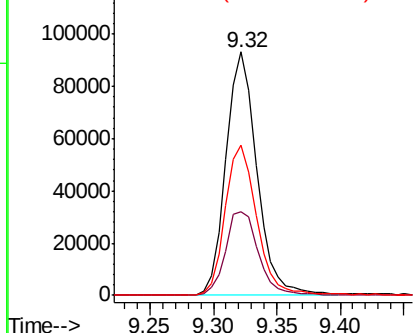
#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.32 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BM016257.D
Acq: 08 Aug 2018 19:32

Instrument :
BNA_M
ClientSampleId :
C-14

Tgt Ion: 82 Resp: 158047
Ion Ratio Lower Upper
82 100
128 34.2 32.8 49.2
54 61.8 40.6 60.8#

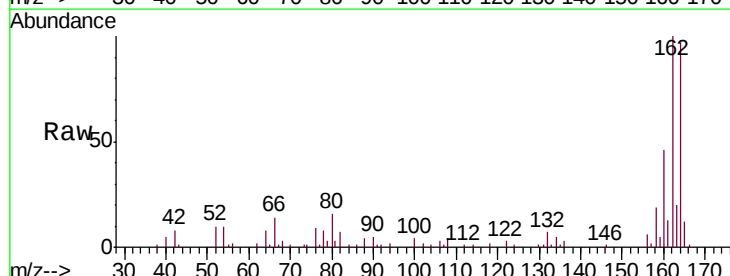


Abundance Ion 82.00 (81.70 to 82.70): BM0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BM0

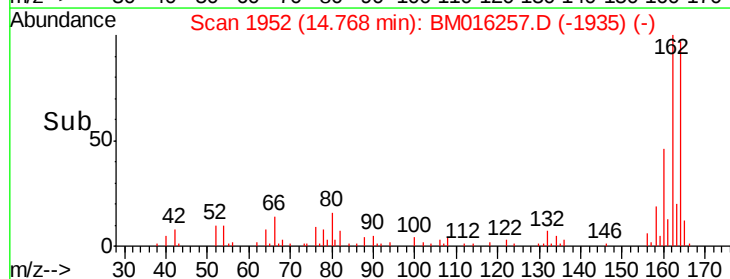
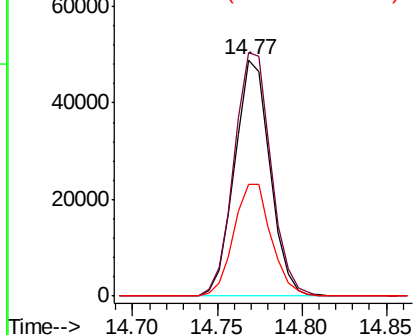


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1952
Delta R.T. 0.00 min
Lab File: BM016257.D
Acq: 08 Aug 2018 19:32

Tgt Ion: 164 Resp: 71422
Ion Ratio Lower Upper
164 100
162 103.1 82.4 123.6
160 47.3 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

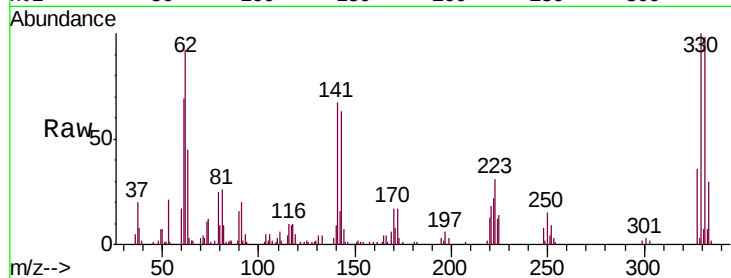




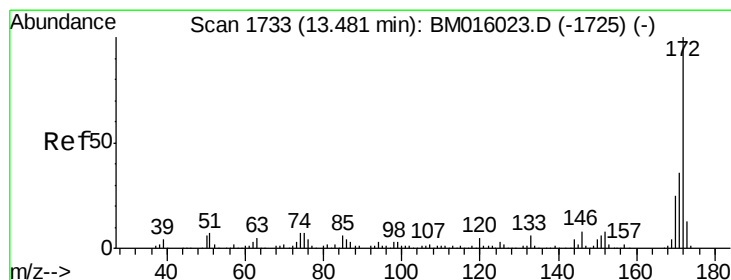
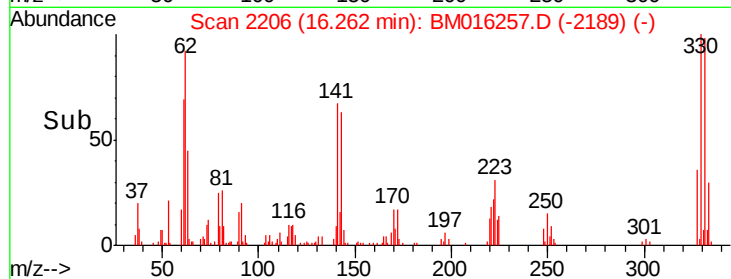
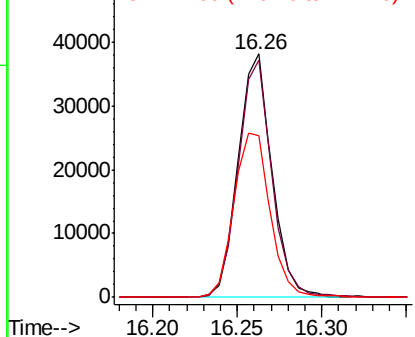
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.26 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BM016257.D
 Acq: 08 Aug 2018 19:32

Instrument :
 BNA_M
 ClientSampled :
 C-14

Tgt Ion: 330 Resp: 52941
 Ion Ratio Lower Upper
 330 100
 332 97.3 0.0 0.0#
 141 72.9 0.0 0.0#

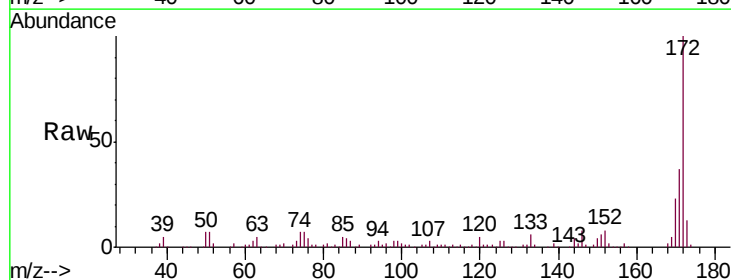


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

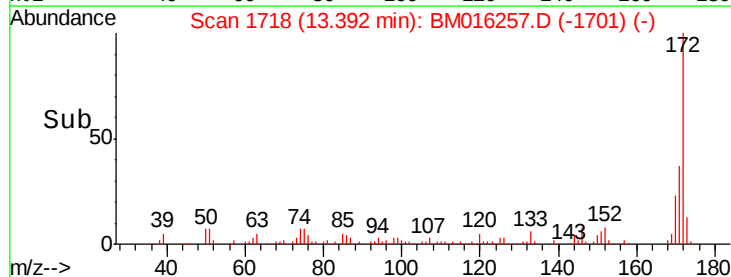
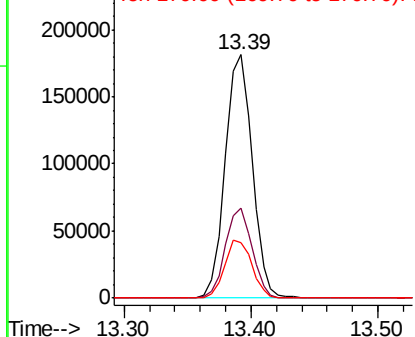


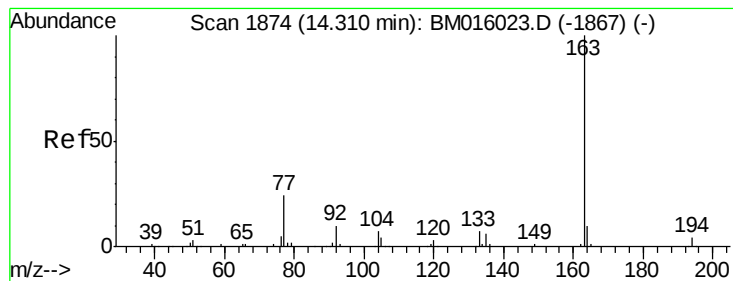
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.39 min Scan# 1718
 Delta R.T. 0.00 min
 Lab File: BM016257.D
 Acq: 08 Aug 2018 19:32

Tgt Ion: 172 Resp: 268964
 Ion Ratio Lower Upper
 172 100
 171 36.7 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





#49

Dimethylphthalate

Concen: 2.817 ng

RT: 14.22 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BM016257.D

Acq: 08 Aug 2018 19:32

Instrument :

BNA_M

ClientSampleId :

C-14

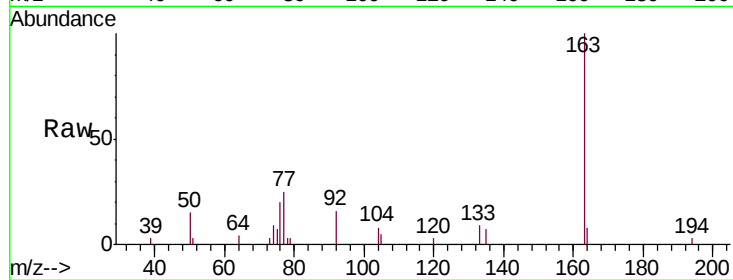
Tgt Ion:163 Resp: 17608

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

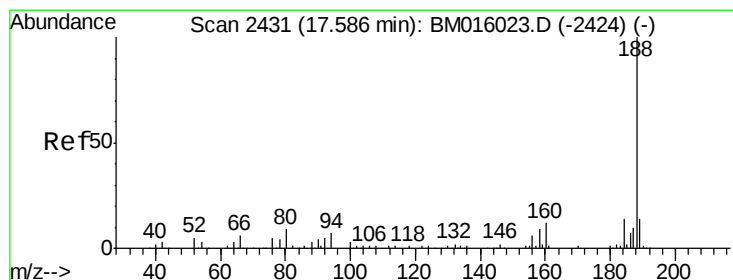
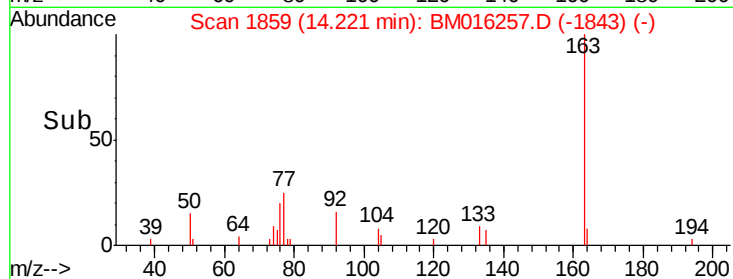
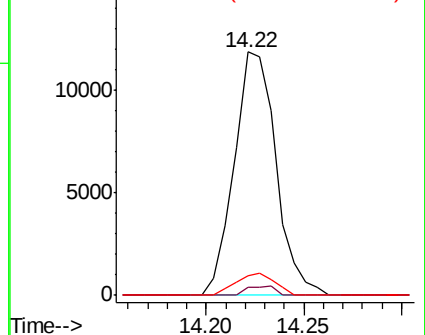
164 8.0 8.2 12.2#



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: 17.51 min Scan# 2418

Delta R.T. 0.00 min

Lab File: BM016257.D

Acq: 08 Aug 2018 19:32

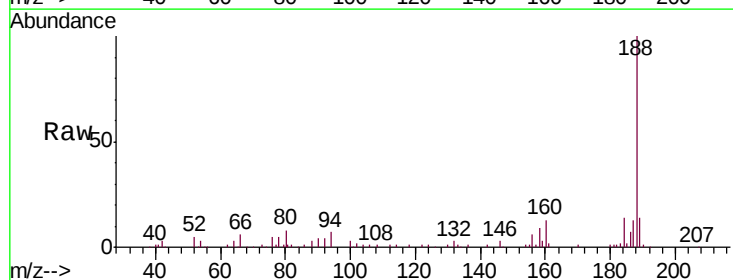
Tgt Ion:188 Resp: 141440

Ion Ratio Lower Upper

188 100

94 6.8 8.7 13.1#

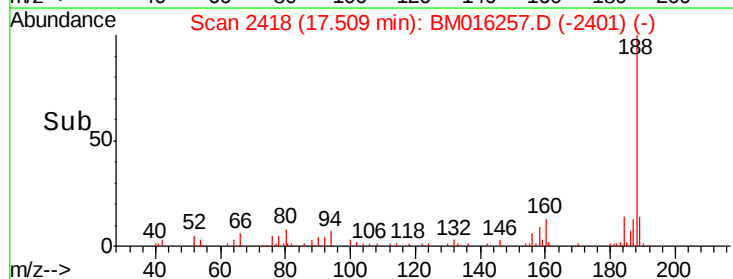
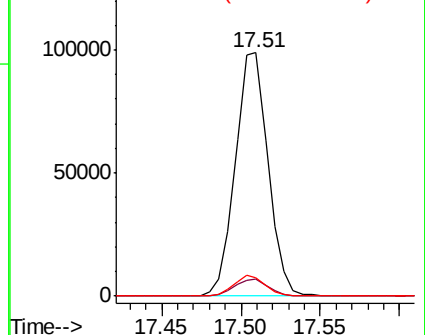
80 7.5 9.3 13.9#

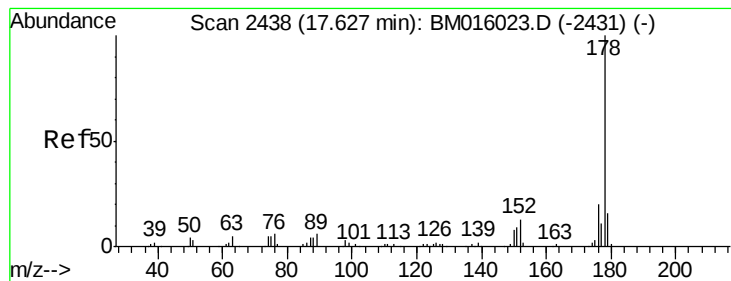


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#70

Phenanthrene

Concen: 6.329 ng

RT: 17.55 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BM016257.D

Acq: 08 Aug 2018 19:32

Instrument :

BNA_M

ClientSampleId :

C-14

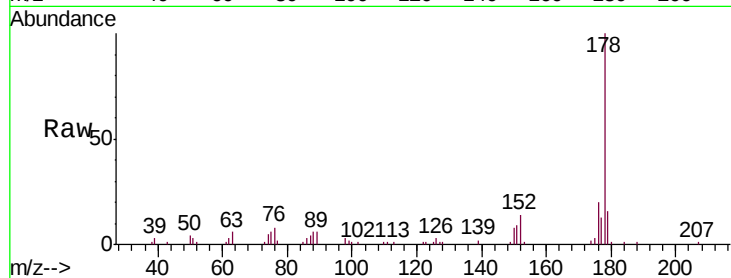
Tgt Ion:178 Resp: 50115

Ion Ratio Lower Upper

178 100

176 19.6 15.2 22.8

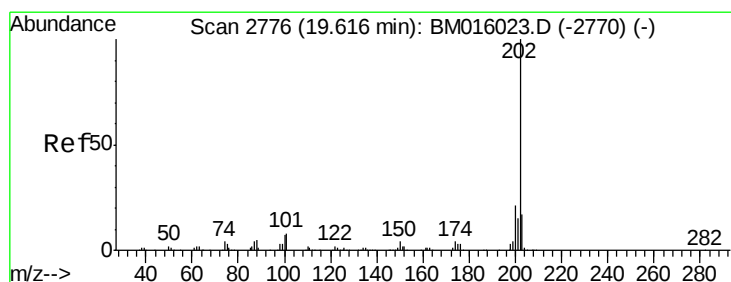
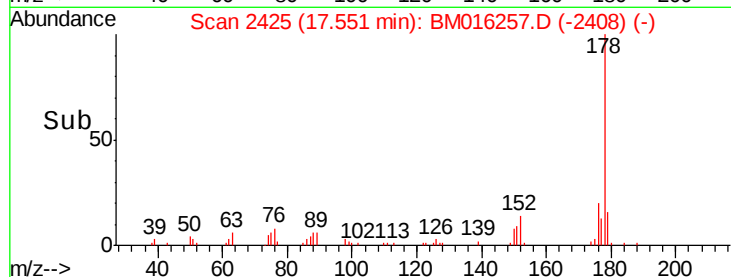
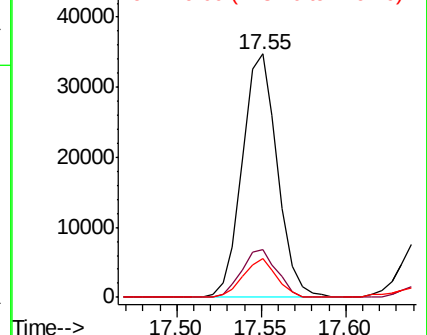
179 15.7 12.1 18.1



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: 10.693 ng

RT: 19.54 min Scan# 2764

Delta R.T. 0.01 min

Lab File: BM016257.D

Acq: 08 Aug 2018 19:32

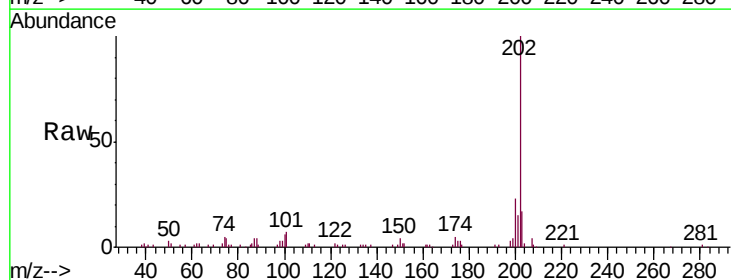
Tgt Ion:202 Resp: 94452

Ion Ratio Lower Upper

202 100

101 7.2 0.0 28.7

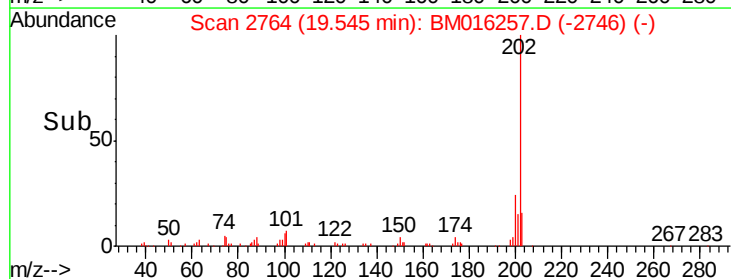
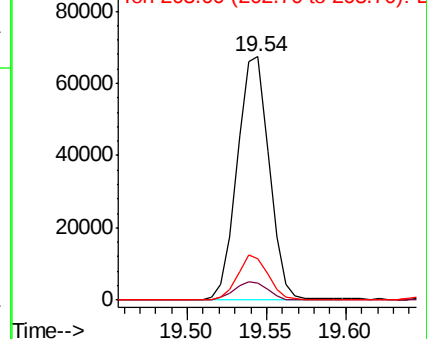
203 16.9 0.0 37.2

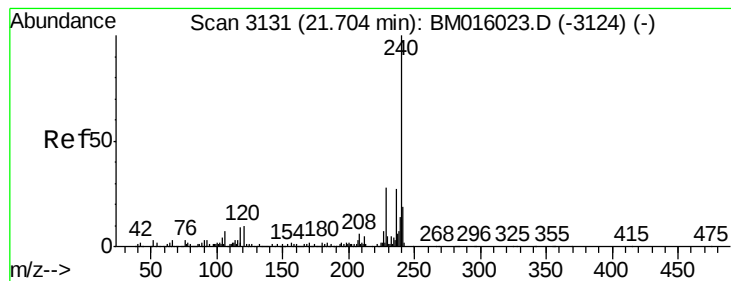


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM016257.D

Acq: 08 Aug 2018 19:32

Instrument :

BNA_M

ClientSampleId :

C-14

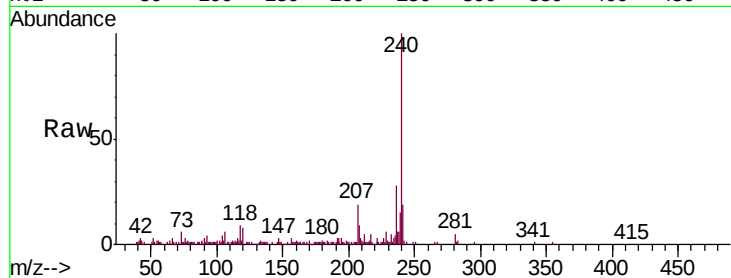
Tgt Ion:240 Resp: 155749

Ion Ratio Lower Upper

240 100

120 8.2 8.2 12.2

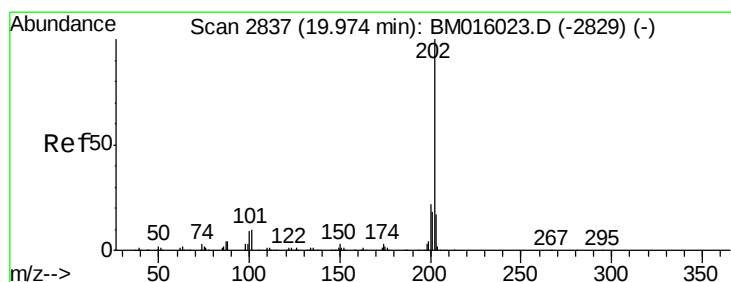
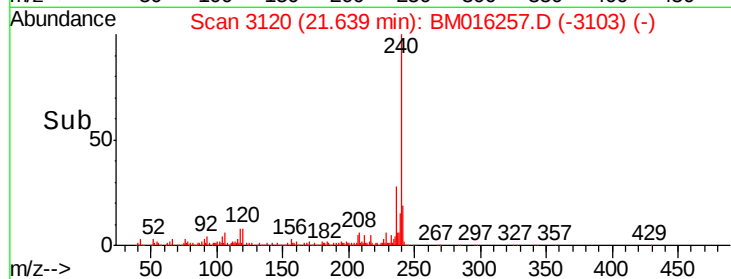
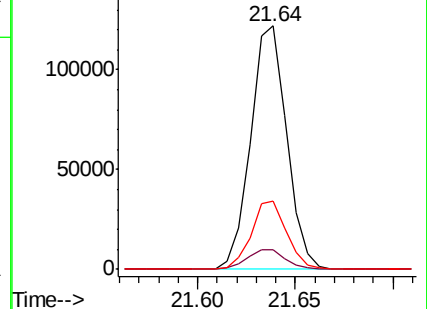
236 27.9 20.0 30.0



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

Pyrene

Concen: 9.420 ng

RT: 19.90 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BM016257.D

Acq: 08 Aug 2018 19:32

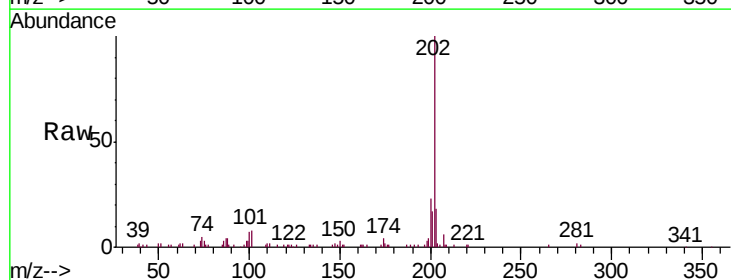
Tgt Ion:202 Resp: 87923

Ion Ratio Lower Upper

202 100

200 22.9 16.9 25.3

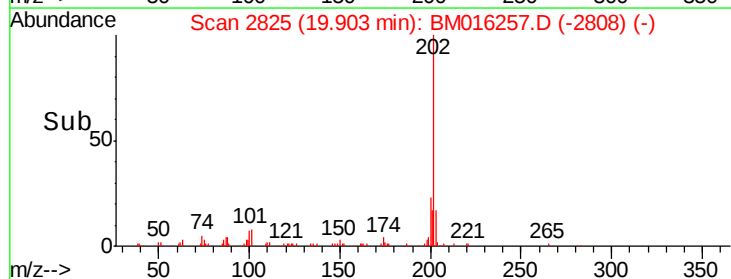
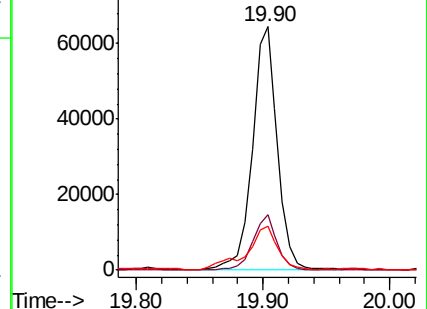
203 18.1 14.1 21.1

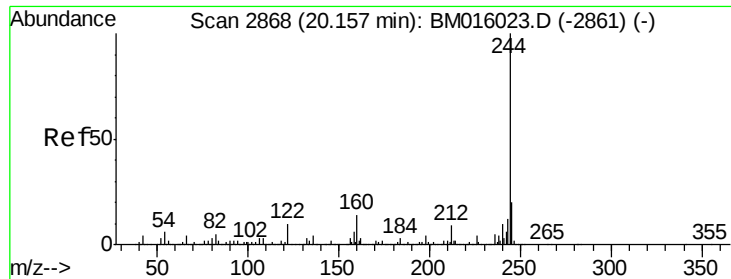


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 9.420 ng

RT: 20.09 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BM016257.D

Acq: 08 Aug 2018 19:32

Instrument :

BNA_M

ClientSampleId :

C-14

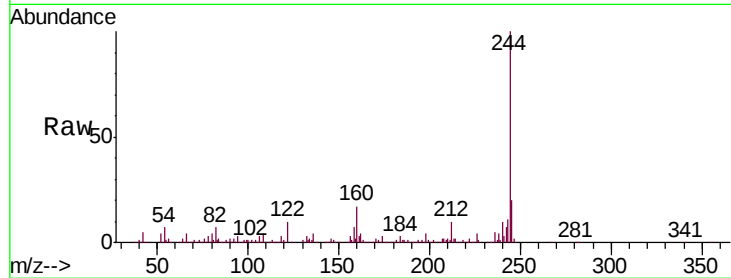
Tgt Ion:244 Resp: 343241

Ion Ratio Lower Upper

244 100

212 10.1 4.9 7.3#

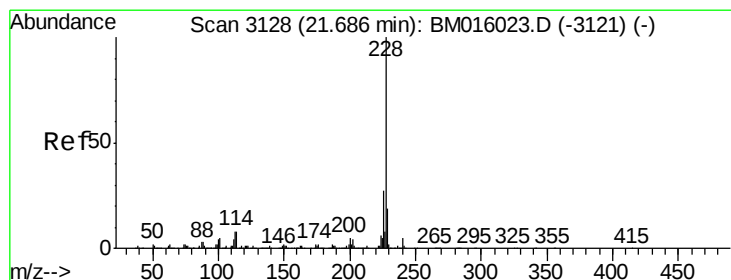
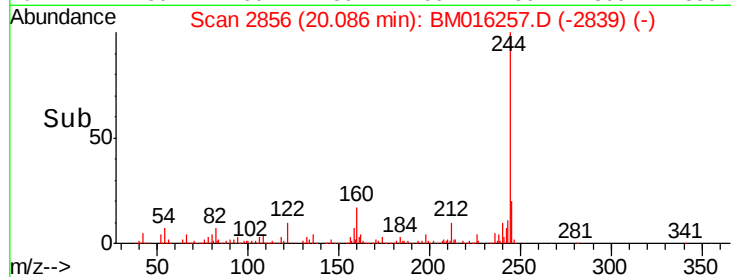
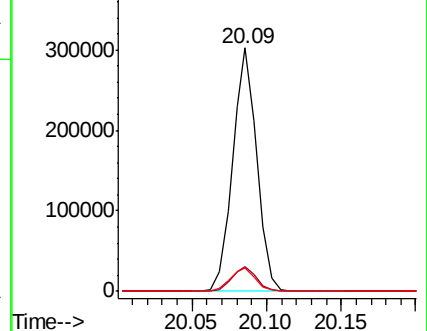
122 9.5 6.2 9.4#



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: 5.923 ng

RT: 21.62 min Scan# 3117

Delta R.T. 0.00 min

Lab File: BM016257.D

Acq: 08 Aug 2018 19:32

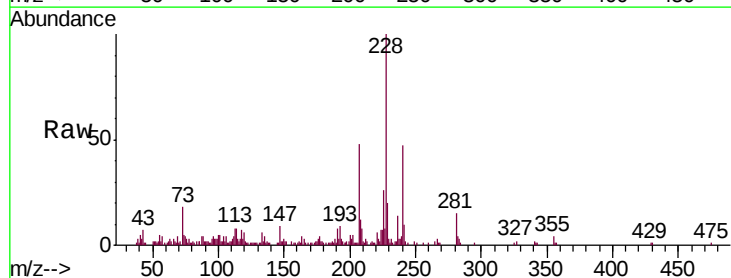
Tgt Ion:228 Resp: 56814

Ion Ratio Lower Upper

228 100

226 26.1 21.7 32.5

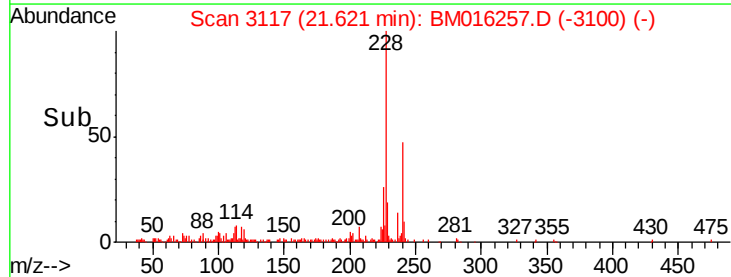
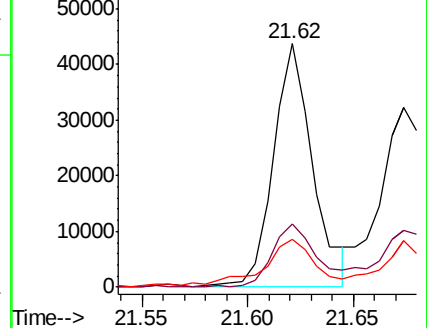
229 19.7 16.0 24.0

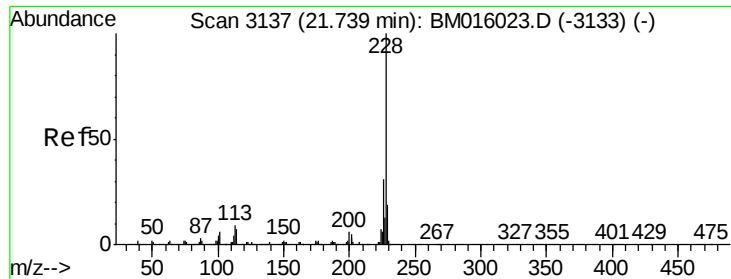


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

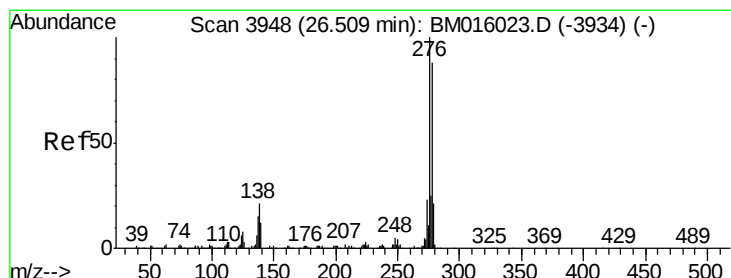
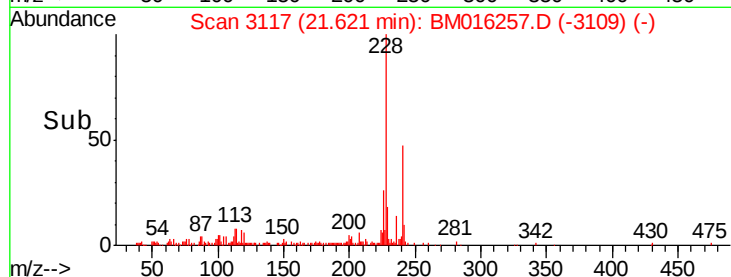
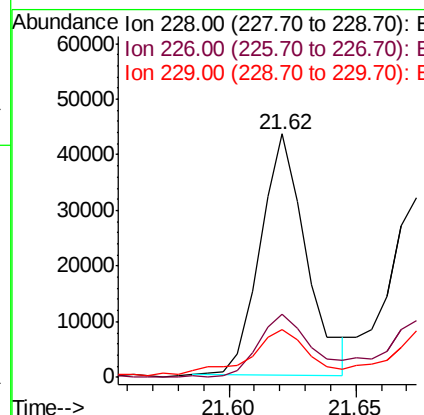
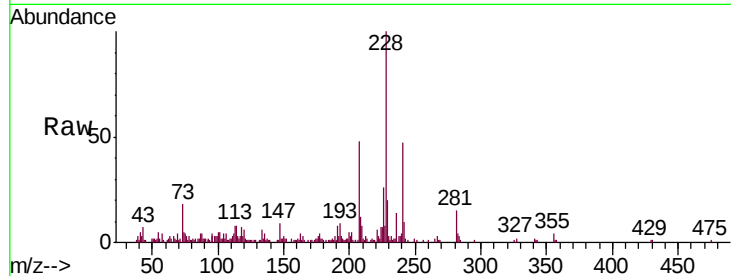




#82
Chrysene
Concen: 6.012 ng
RT: 21.62 min Scan# 3117
Delta R.T. -0.05 min
Lab File: BM016257.D
Acq: 08 Aug 2018 19:32

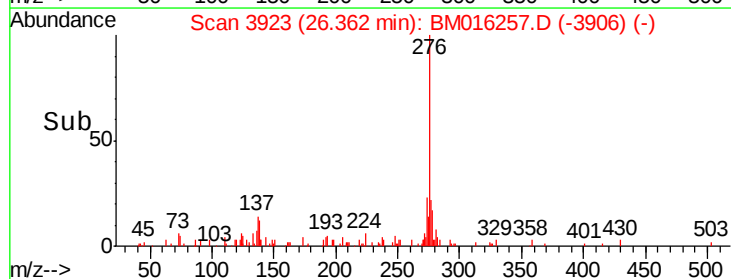
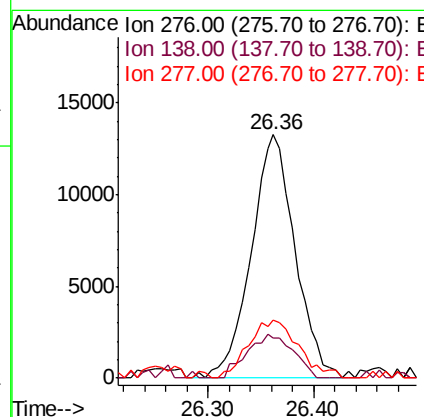
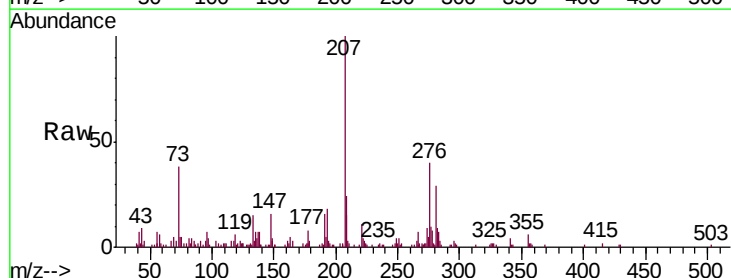
Instrument :
BNA_M
ClientSampleId :
C-14

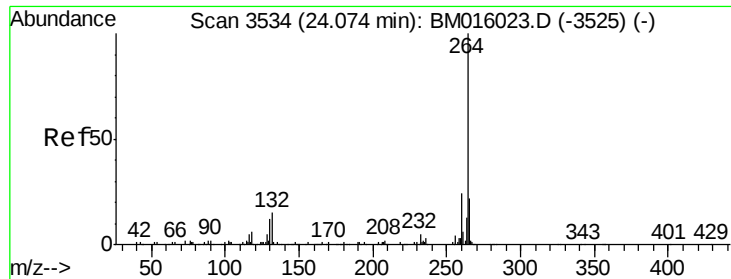
Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.1	24.1	36.1
229	19.7	15.5	23.3



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.501 ng
RT: 26.36 min Scan# 3923
Delta R.T. 0.00 min
Lab File: BM016257.D
Acq: 08 Aug 2018 19:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.8	12.0	18.0#
277	27.3	20.0	30.0



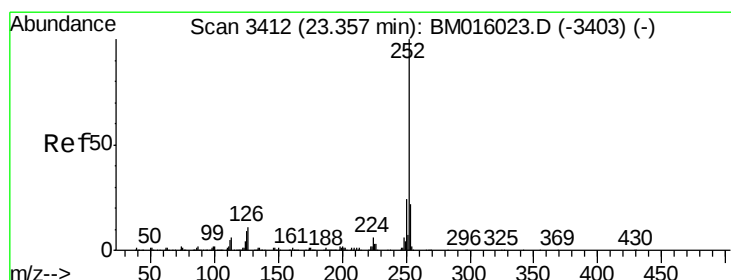
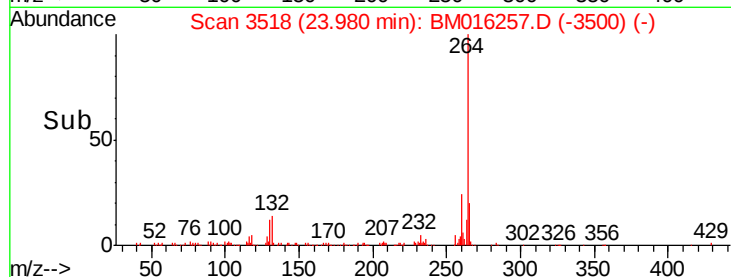
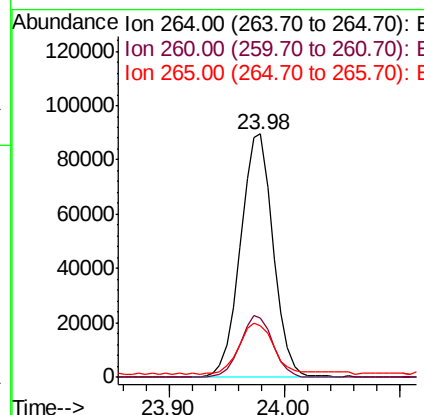
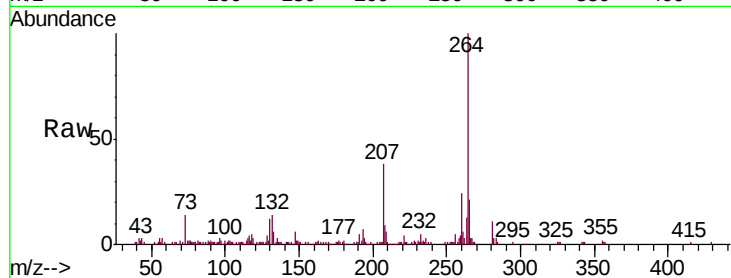


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.98 min Scan# 3518
Delta R.T. 0.01 min
Lab File: BM016257.D
Acq: 08 Aug 2018 19:32

Instrument :
BNA_M
ClientSampleId :
C-14

Tgt Ion: 264 Resp: 175827

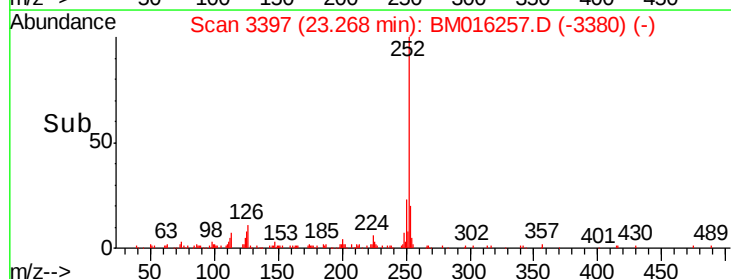
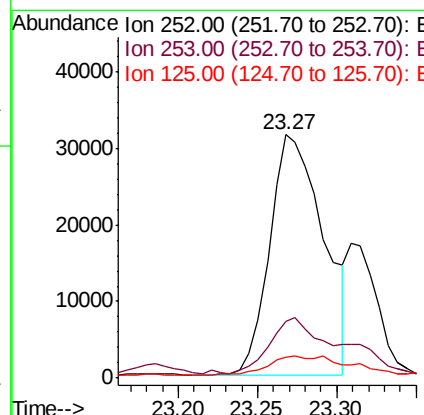
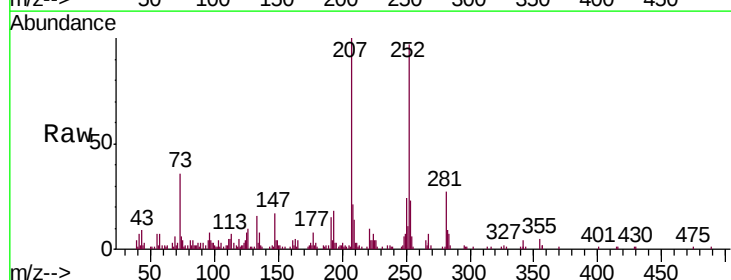
Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.6	27.8
265	21.2	17.3	25.9

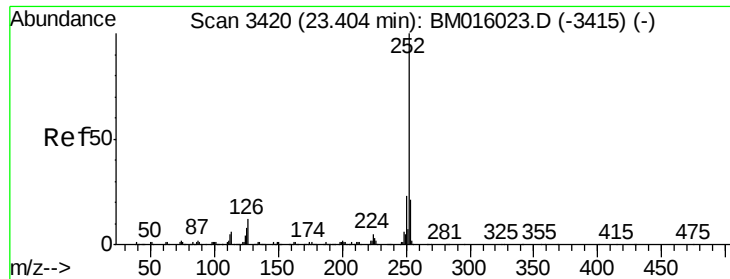


#87
Benzo(b)fluoranthene
Concen: 7.201 ng
RT: 23.27 min Scan# 3397
Delta R.T. 0.00 min
Lab File: BM016257.D
Acq: 08 Aug 2018 19:32

Tgt Ion: 252 Resp: 74546

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	8.7	9.9	14.9

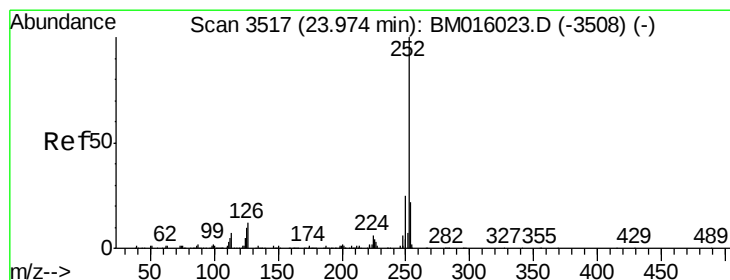
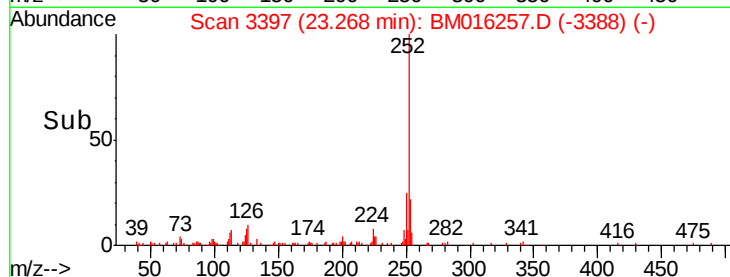
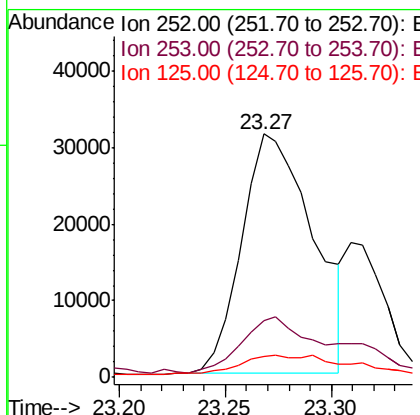
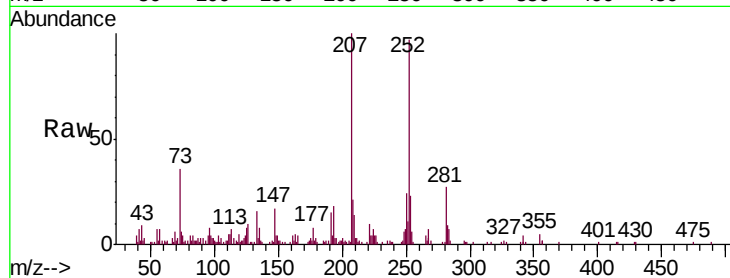




#88
Benzo(k)fluoranthene
Concen: 6.971 ng
RT: 23.27 min Scan# 3397
Delta R.T. -0.05 min
Lab File: BM016257.D
Acq: 08 Aug 2018 19:32

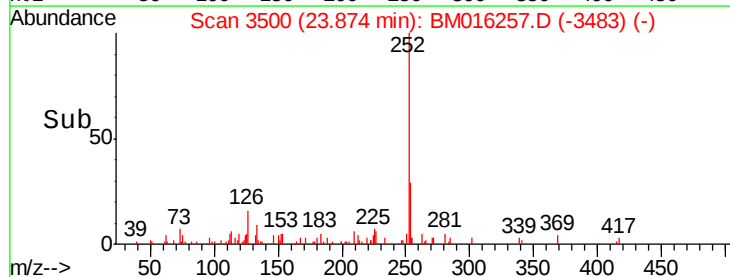
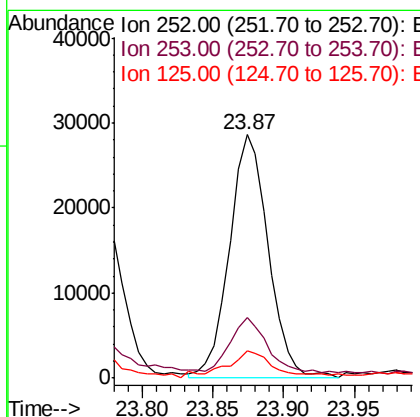
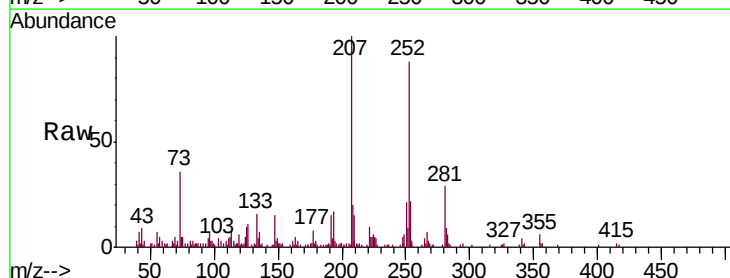
Instrument :
BNA_M
ClientSampleId :
C-14

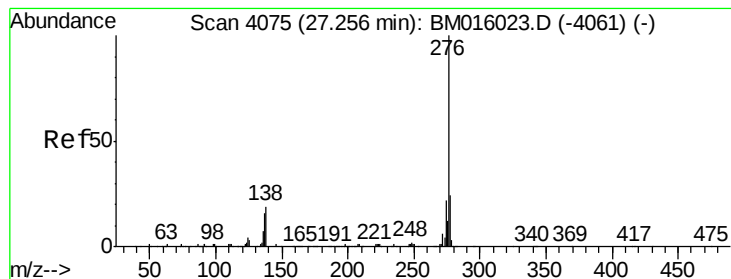
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	8.7	8.1	12.1



#89
Benzo(a)pyrene
Concen: 5.554 ng
RT: 23.87 min Scan# 3500
Delta R.T. 0.00 min
Lab File: BM016257.D
Acq: 08 Aug 2018 19:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.6	26.4
125	11.3	7.4	11.2#





#91

Benzo(g,h,i)perylene

Concen: 3.670 ng

RT: 27.10 min Scan# 4049

Delta R.T. 0.01 min

Lab File: BM016257.D

Acq: 08 Aug 2018 19:32

Instrument :

BNA_M

ClientSampleId :

C-14

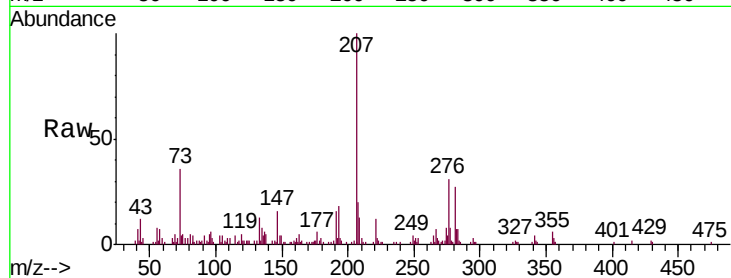
Tgt Ion: 276 Resp: 35789

Ion Ratio Lower Upper

276 100

277 25.8 18.5 27.7

138 15.1 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

