

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080818\
 Data File : BM016253.D
 Acq On : 08 Aug 2018 17:05
 Operator : SJ/JU
 Sample : J4313-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-10

Quant Time: Aug 09 01:39:49 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	43553	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	158177	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	75173	20.00	ng	0.00
63) Phenanthrene-d10	17.51	188	148760	20.00	ng	0.00
75) Chrysene-d12	21.64	240	162236	20.00	ng	0.00
86) Perylene-d12	23.98	264	180191	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	236711	90.28	ng	0.00
7) Phenol-d6	7.30	99	283908	82.92	ng	0.00
23) Nitrobenzene-d5	9.32	82	208361	61.27	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	74862	78.52	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	375836	60.83	ng	0.00
78) Terphenyl-d14	20.09	244	479429	61.86	ng	0.00

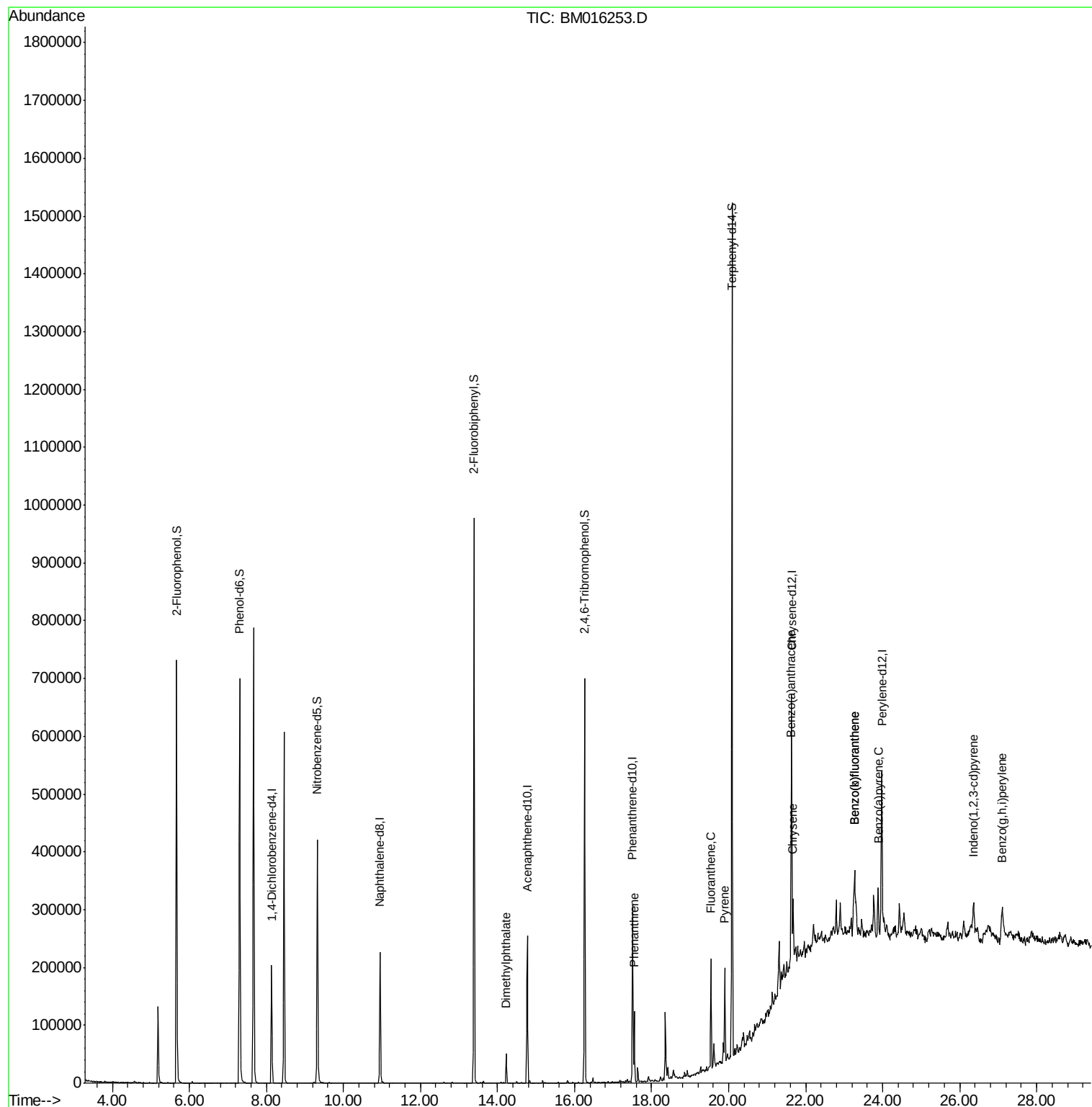
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	14.23	163	28974	4.404	ng	# 97
70) Phenanthrene	17.55	178	59409	7.133	ng	97
74) Fluoranthene	19.54	202	97522	10.497	ng	98
77) Pyrene	19.90	202	83914	8.631	ng	98
80) Benzo(a)anthracene	21.62	228	59632	5.968	ng	97
82) Chrysene	21.67	228	50204	5.238	ng	96
85) Indeno(1,2,3-cd)pyrene	26.36	276	37912	3.333	ng	# 84
87) Benzo(b)fluoranthene	23.27	252	75570	7.123	ng	97
88) Benzo(k)fluoranthene	23.27	252	74720	6.949	ng	# 94
89) Benzo(a)pyrene	23.87	252	50092	4.911	ng	92
91) Benzo(g,h,i)perylene	27.10	276	38688	3.871	ng	# 93

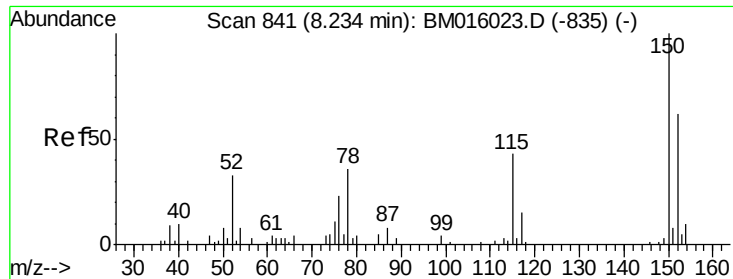
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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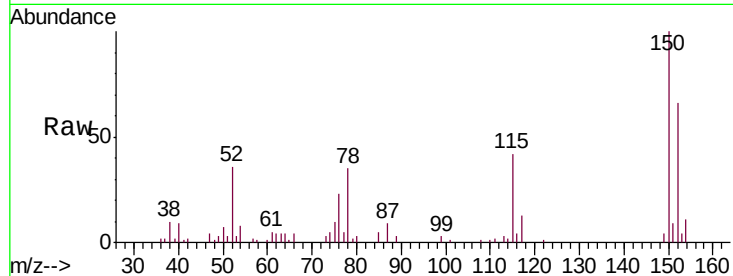




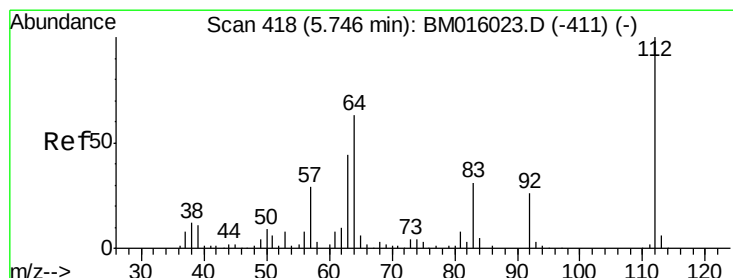
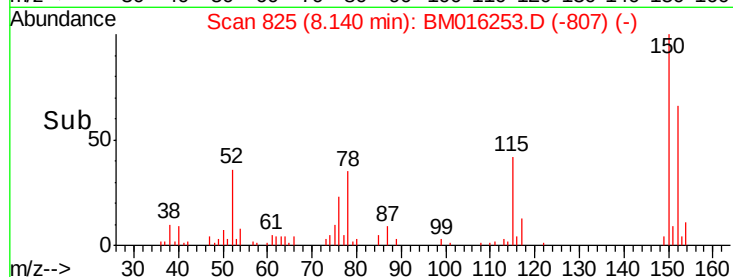
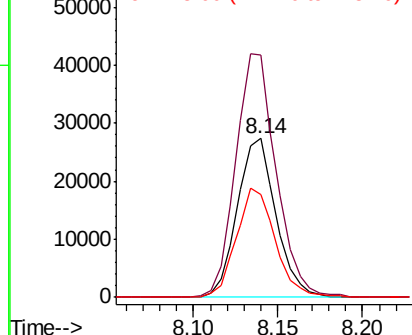
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.14 min Scan# 825
 Delta R.T. 0.01 min
 Lab File: BM016253.D
 Acq: 08 Aug 2018 17:05

Instrument :
 BNA_M
 ClientSampleId :
 C-10

Tgt Ion:152 Resp: 43553
 Ion Ratio Lower Upper
 152 100
 150 152.5 119.5 179.3
 115 64.6 43.0 64.4#

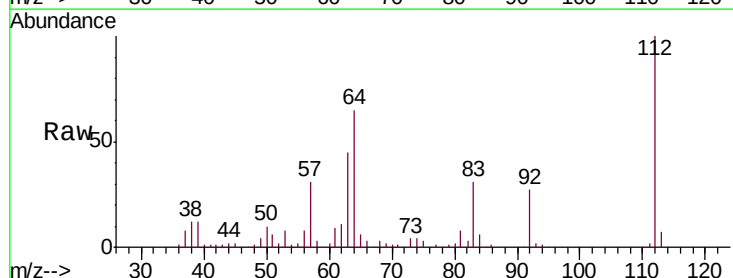


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

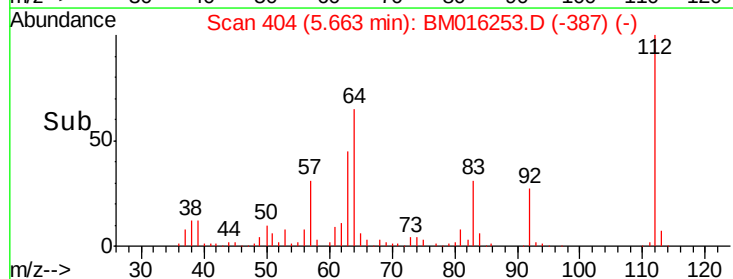
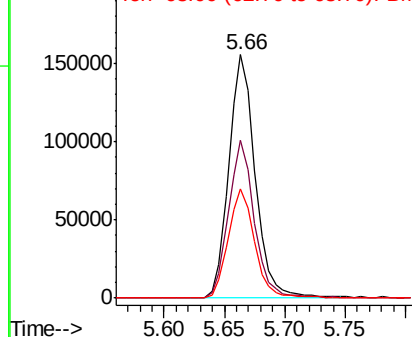


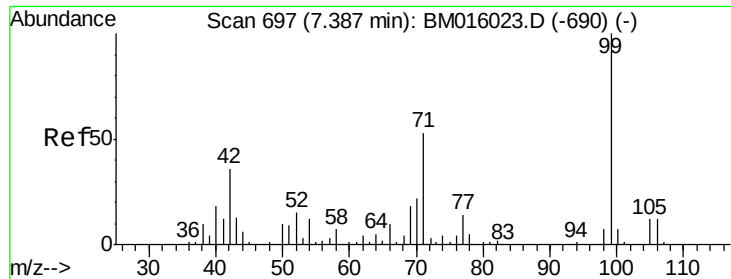
#5
 2-Fluorophenol
 Concen: N.D. ng
 RT: 5.66 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: BM016253.D
 Acq: 08 Aug 2018 17:05

Tgt Ion:112 Resp: 236711
 Ion Ratio Lower Upper
 112 100
 64 64.7 38.6 57.8#
 63 44.9 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: BM016253.D

Acq: 08 Aug 2018 17:05

Instrument :

BNA_M

ClientSampled :

C-10

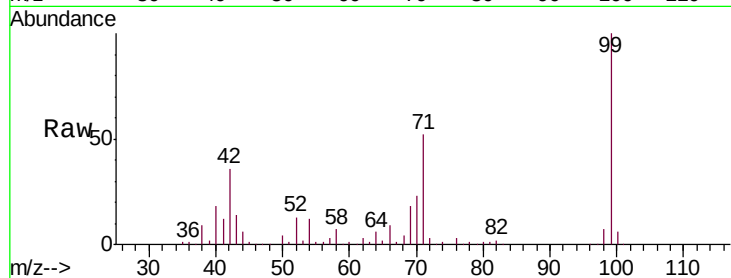
Tgt Ion: 99 Resp: 283908

Ion Ratio Lower Upper

99 100

42 35.6 11.0 16.4#

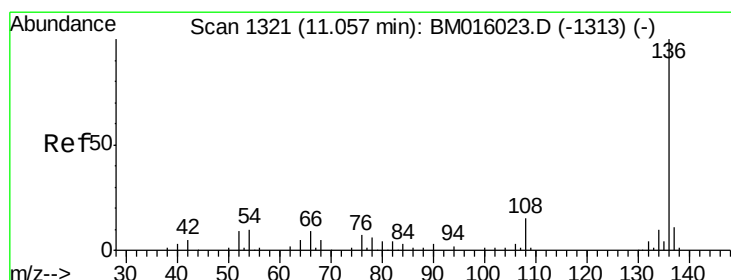
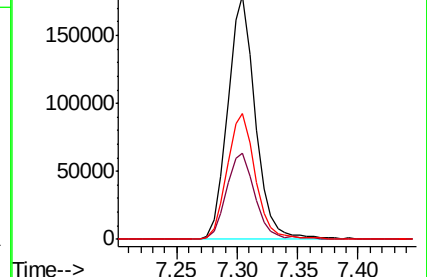
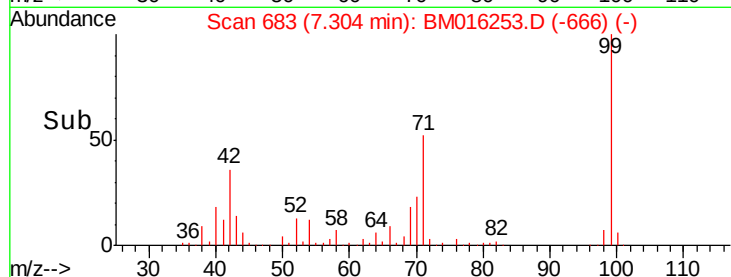
71 51.9 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016253.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016253.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016253.D (-690) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.95 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM016253.D

Acq: 08 Aug 2018 17:05

Tgt Ion: 136 Resp: 158177

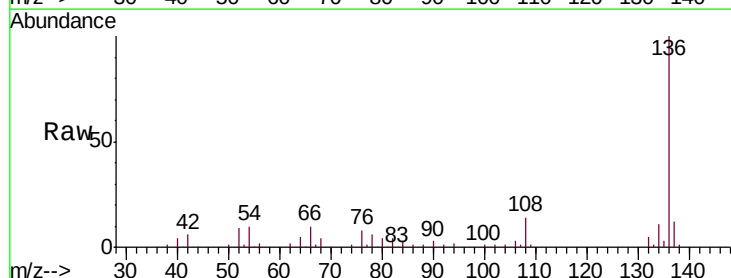
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 9.7 4.6 6.8#

68 4.4 3.7 5.5

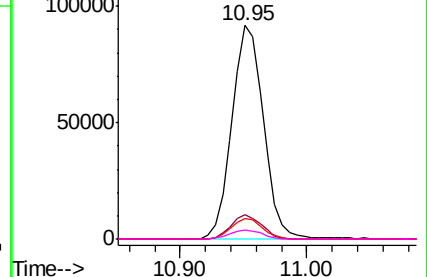
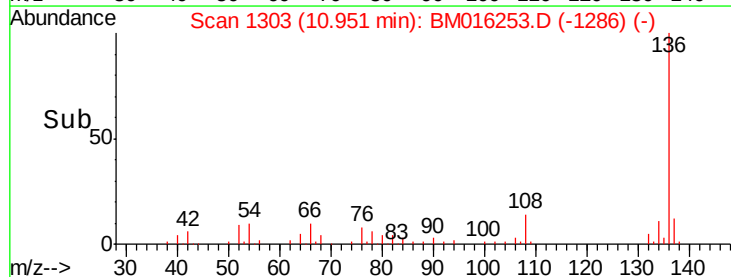


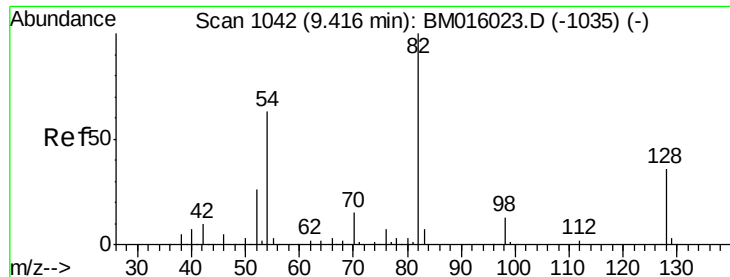
Abundance Ion 136.00 (135.70 to 136.70): BM016253.D (-1286) (-)

Ion 137.00 (136.70 to 137.70): BM016253.D (-1286) (-)

Ion 54.00 (53.70 to 54.70): BM016253.D (-1286) (-)

Ion 68.00 (67.70 to 68.70): BM016253.D (-1286) (-)

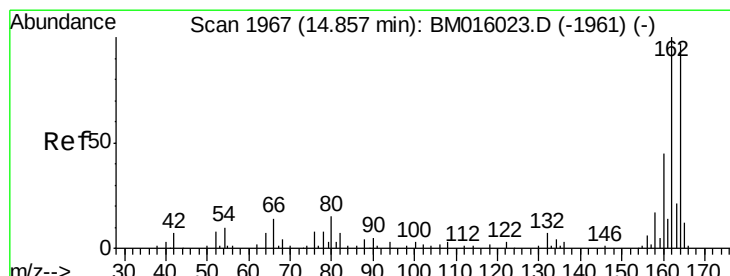
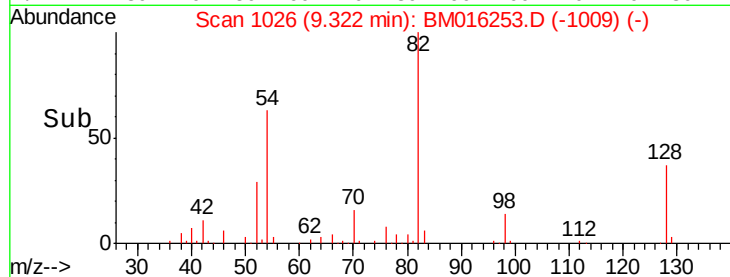
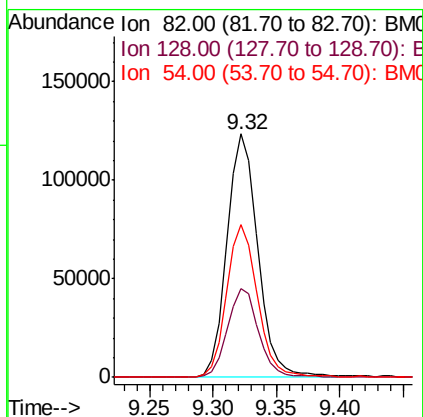
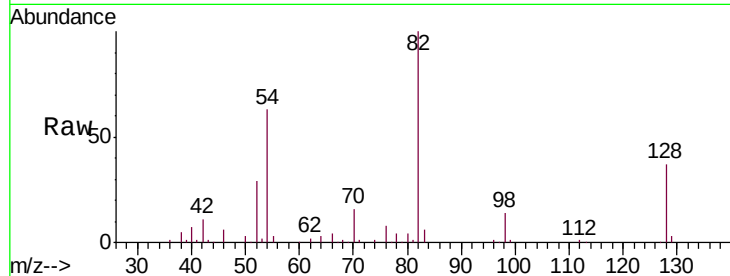




#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.32 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BM016253.D
Acq: 08 Aug 2018 17:05

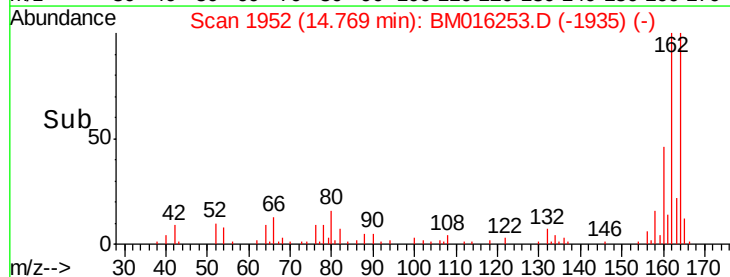
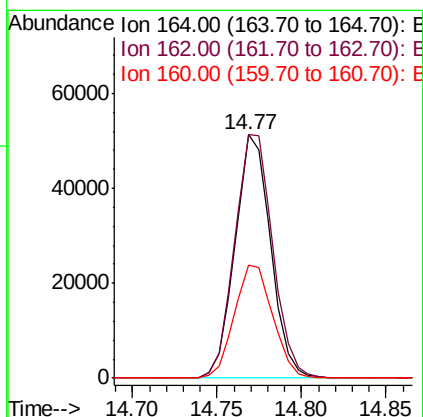
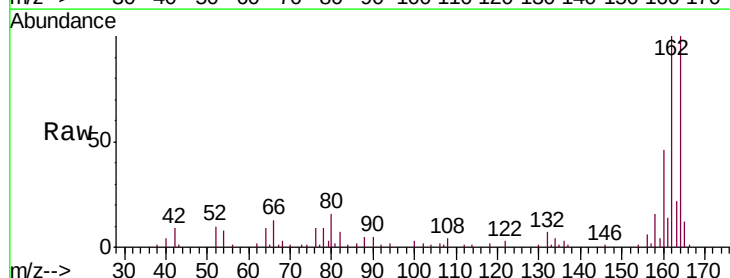
Instrument :
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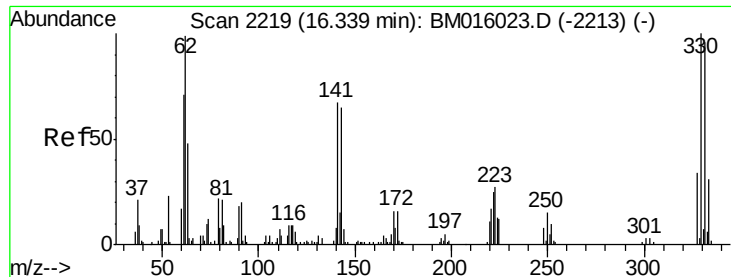
Tgt Ion: 82 Resp: 208361
Ion Ratio Lower Upper
82 100
128 36.7 32.8 49.2
54 62.9 40.6 60.8#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1952
Delta R.T. 0.00 min
Lab File: BM016253.D
Acq: 08 Aug 2018 17:05

Tgt Ion: 164 Resp: 75173
Ion Ratio Lower Upper
164 100
162 100.0 82.4 123.6
160 46.4 35.8 53.6

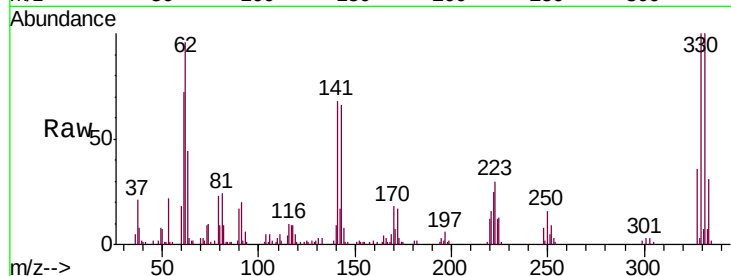




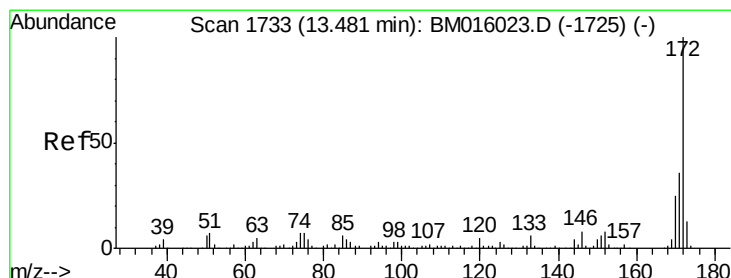
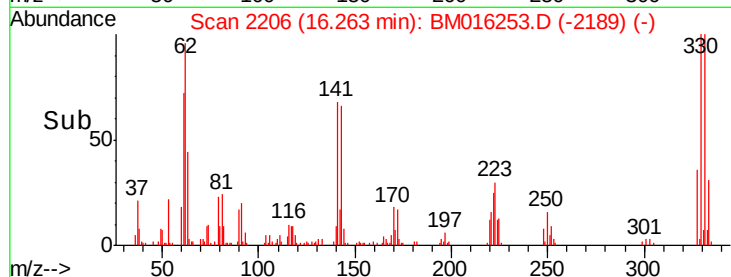
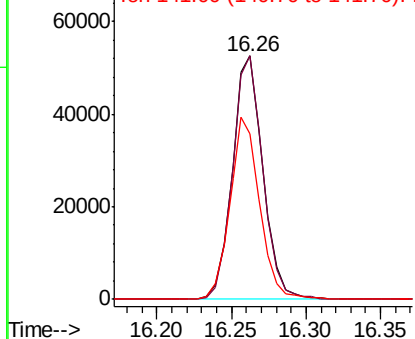
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.26 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BM016253.D
 Acq: 08 Aug 2018 17:05

Instrument :
 BNA_M
 ClientSampleId :
 C-10

Tgt Ion: 330 Resp: 74862
 Ion Ratio Lower Upper
 330 100
 332 99.4 0.0 0.0#
 141 73.0 0.0 0.0#

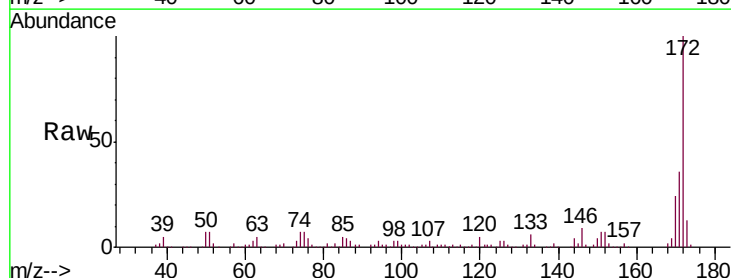


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

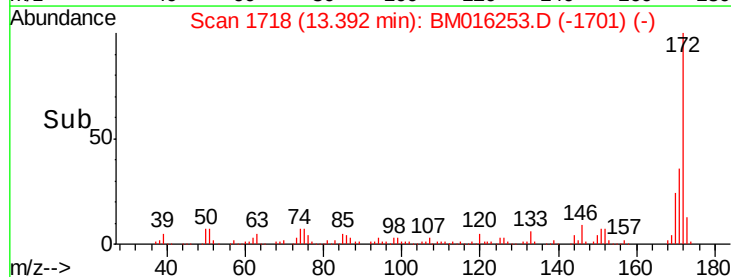
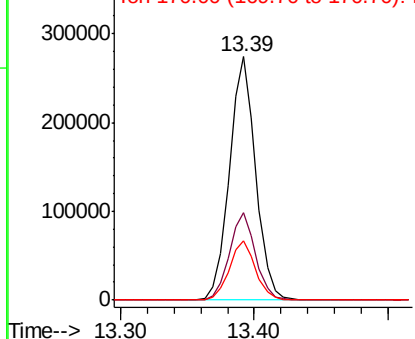


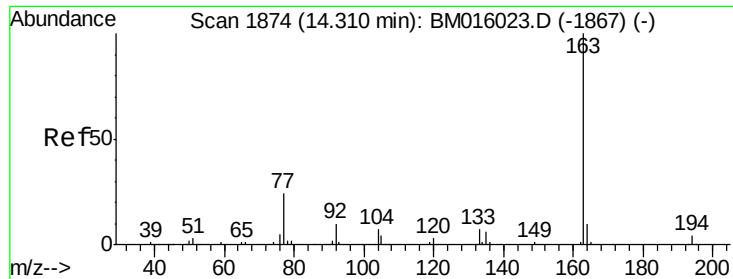
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.39 min Scan# 1718
 Delta R.T. 0.00 min
 Lab File: BM016253.D
 Acq: 08 Aug 2018 17:05

Tgt Ion: 172 Resp: 375836
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.5 42.7
 170 24.4 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: 4.404 ng

RT: 14.23 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BM016253.D

Acq: 08 Aug 2018 17:05

Instrument :

BNA_M

ClientSampled :

C-10

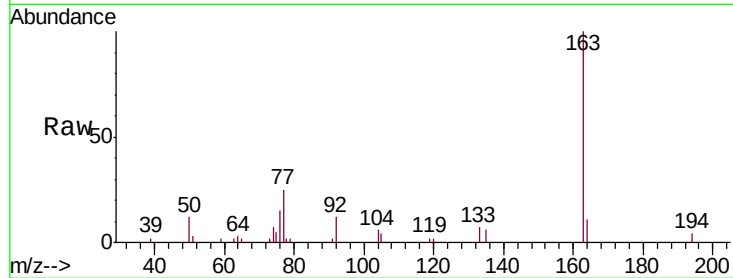
Tgt Ion:163 Resp: 28974

Ion Ratio Lower Upper

163 100

194 4.4 2.7 4.1#

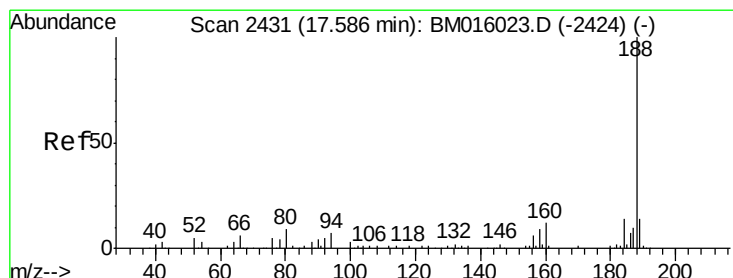
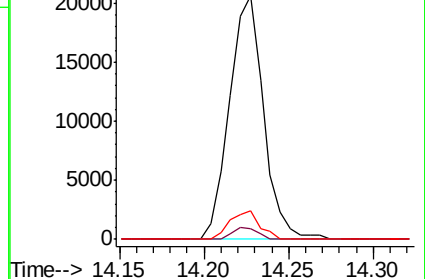
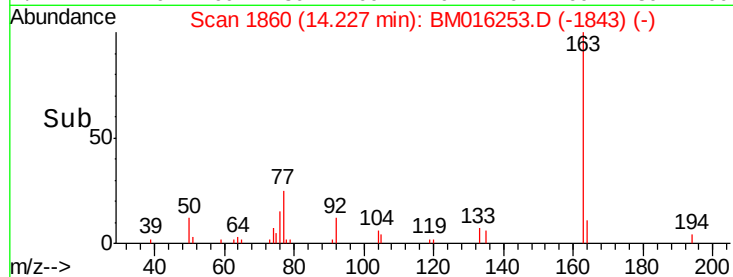
164 11.5 8.2 12.2



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: BM016253.D

Acq: 08 Aug 2018 17:05

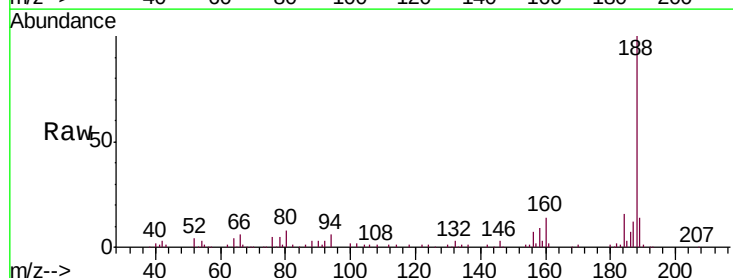
Tgt Ion:188 Resp: 148760

Ion Ratio Lower Upper

188 100

94 6.3 8.7 13.1#

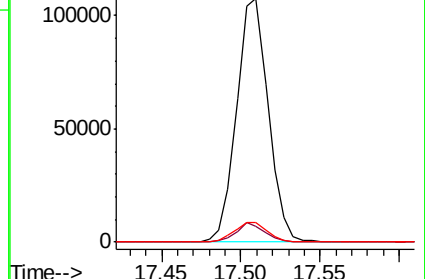
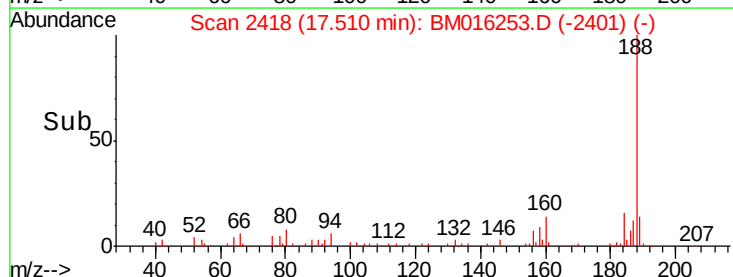
80 8.2 9.3 13.9#

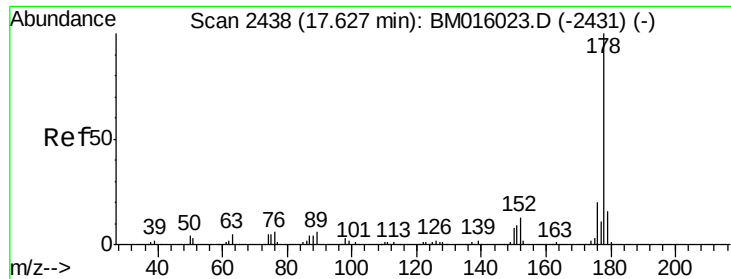


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM





#70

Phenanthrene

Concen: 7.133 ng

RT: 17.55 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BM016253.D

Acq: 08 Aug 2018 17:05

Instrument :

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ClientSampled :

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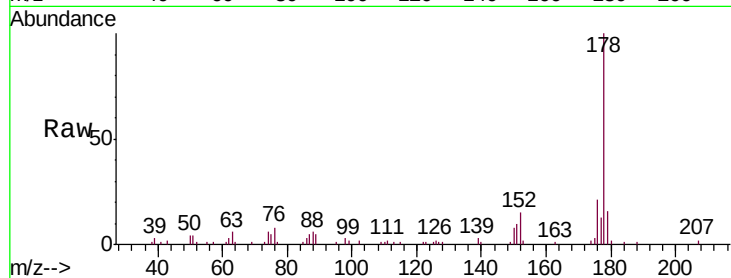
Tgt Ion:178 Resp: 59409

Ion Ratio Lower Upper

178 100

176 20.9 15.2 22.8

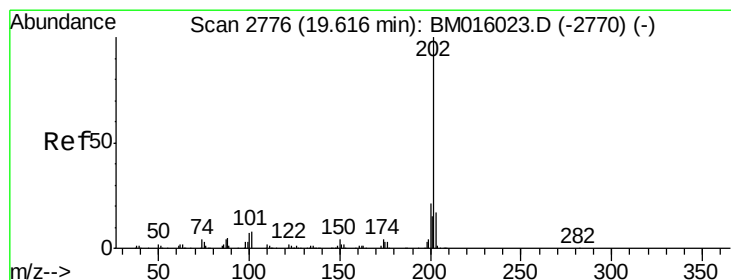
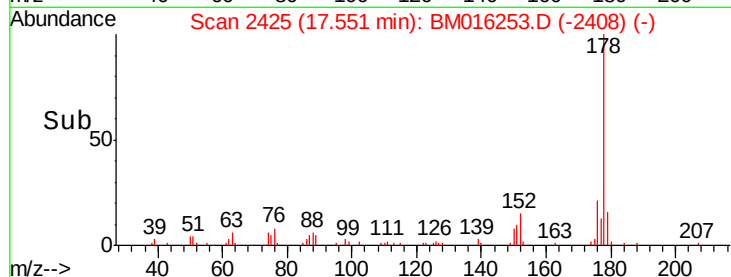
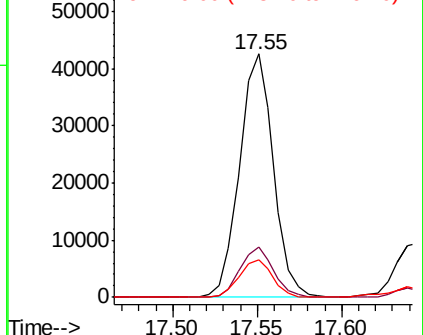
179 15.6 12.1 18.1



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: 10.497 ng

RT: 19.54 min Scan# 2764

Delta R.T. 0.01 min

Lab File: BM016253.D

Acq: 08 Aug 2018 17:05

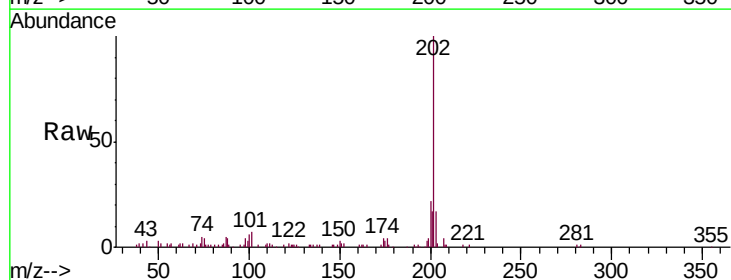
Tgt Ion:202 Resp: 97522

Ion Ratio Lower Upper

202 100

101 6.7 0.0 28.7

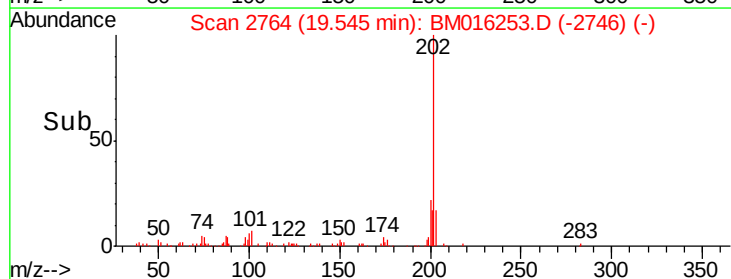
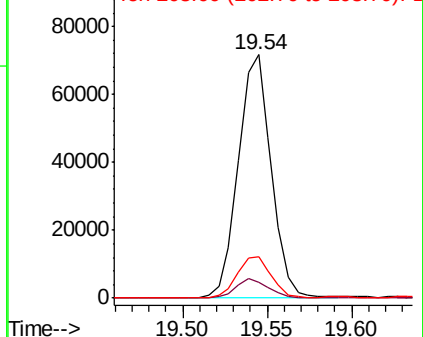
203 17.1 0.0 37.2

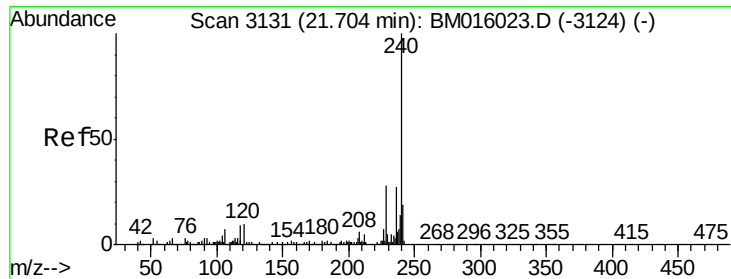


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM016253.D

Acq: 08 Aug 2018 17:05

Instrument :

BNA_M

ClientSampleId :

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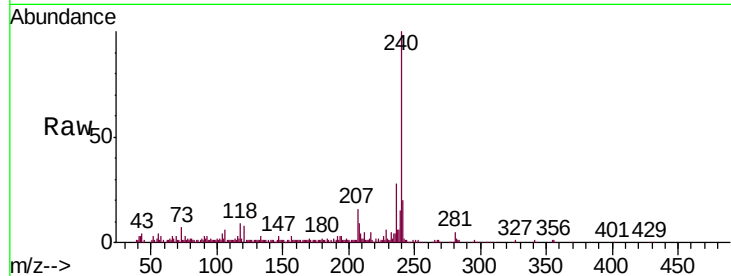
Tgt Ion:240 Resp: 162236

Ion Ratio Lower Upper

240 100

120 8.3 8.2 12.2

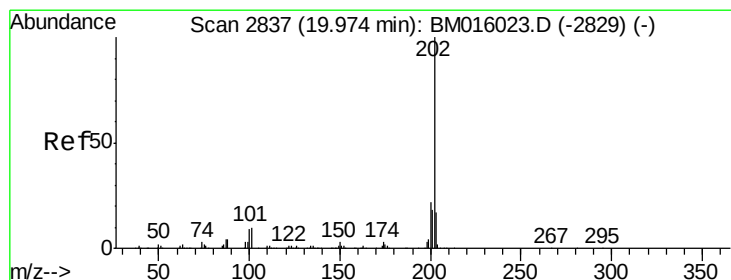
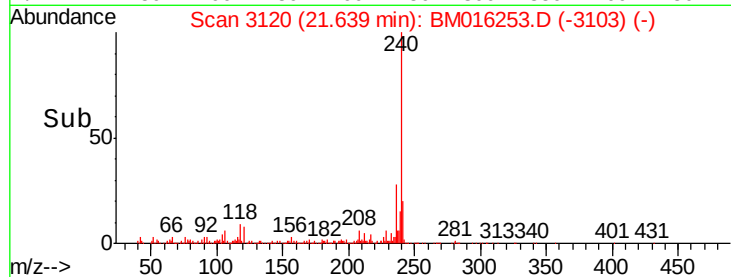
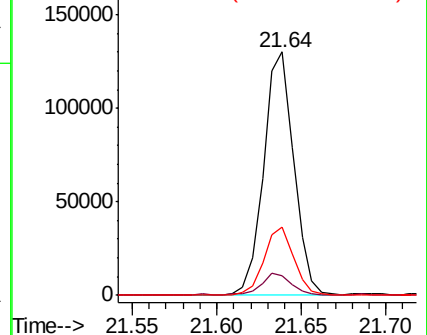
236 27.8 20.0 30.0



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: 8.631 ng

RT: 19.90 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BM016253.D

Acq: 08 Aug 2018 17:05

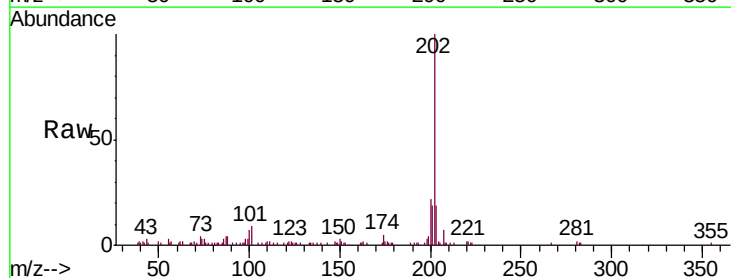
Tgt Ion:202 Resp: 83914

Ion Ratio Lower Upper

202 100

200 21.9 16.9 25.3

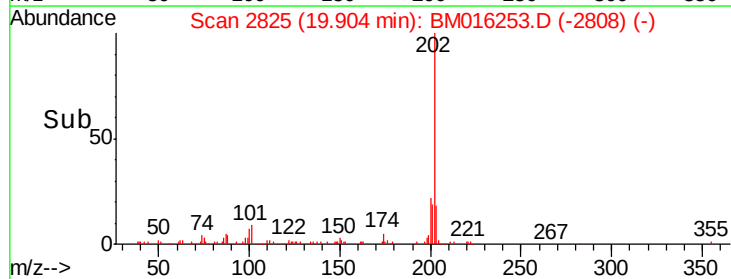
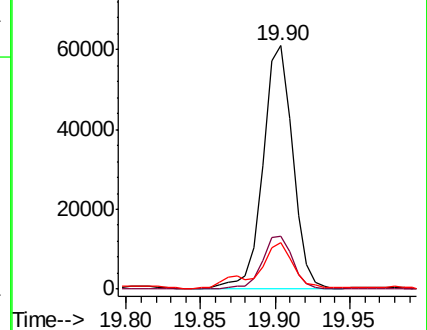
203 18.9 14.1 21.1

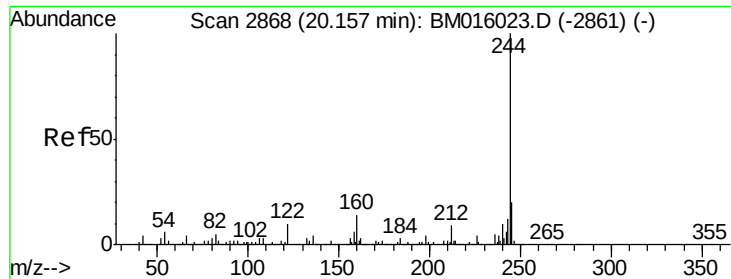


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

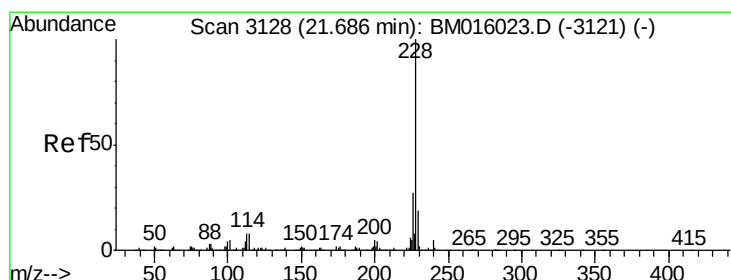
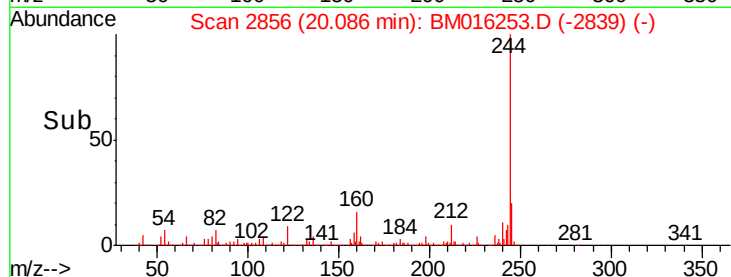
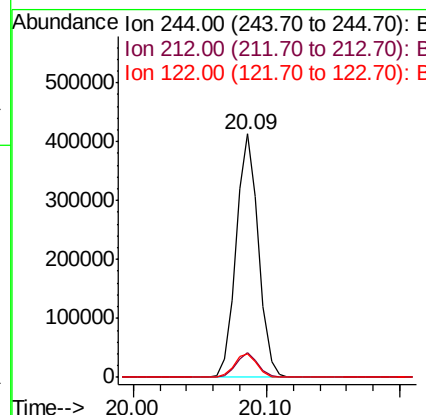
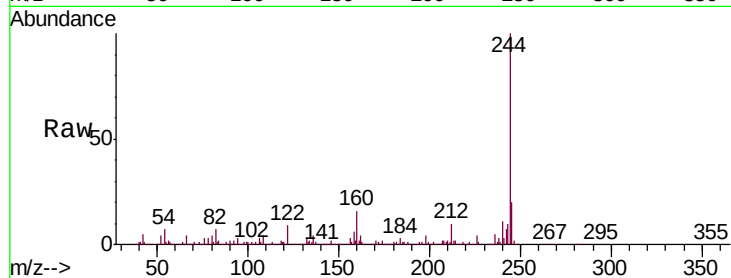




#78
 Terphenyl-d14
 Concen: 8.631 ng
 RT: 20.09 min Scan# 2856
 Delta R.T. 0.00 min
 Lab File: BM016253.D
 Acq: 08 Aug 2018 17:05

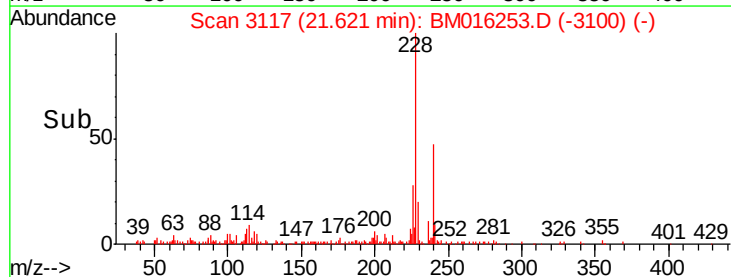
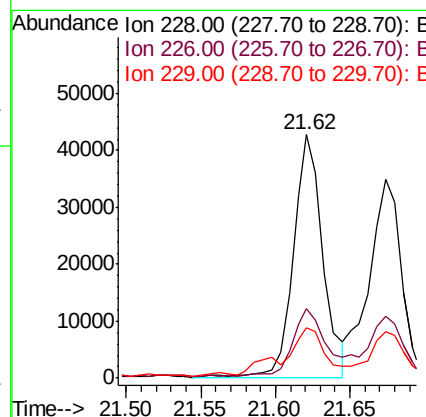
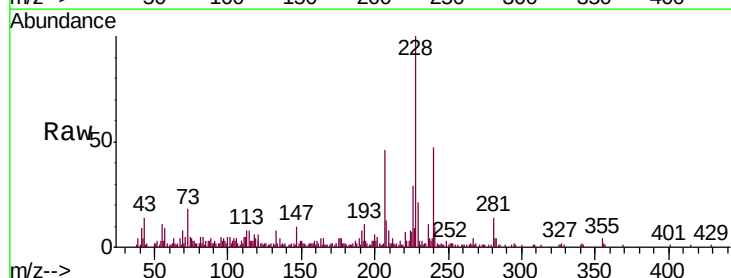
Instrument :
 BNA_M
 ClientSampled :
 C-10

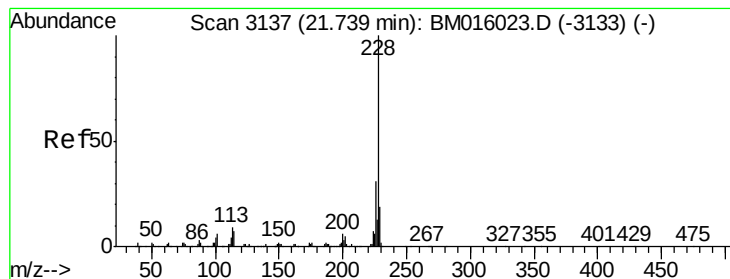
Tgt Ion:244 Resp: 479429
 Ion Ratio Lower Upper
 244 100
 212 10.1 4.9 7.3#
 122 9.4 6.2 9.4#



#80
 Benzo(a)anthracene
 Concen: 5.968 ng
 RT: 21.62 min Scan# 3117
 Delta R.T. 0.00 min
 Lab File: BM016253.D
 Acq: 08 Aug 2018 17:05

Tgt Ion:228 Resp: 59632
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.7 32.5
 229 20.9 16.0 24.0





#82

Chrysene

Concen: 5.238 ng

RT: 21.67 min Scan# 3126

Delta R.T. 0.00 min

Lab File: BM016253.D

Acq: 08 Aug 2018 17:05

Instrument :

BNA_M

ClientSampleId :

C-10

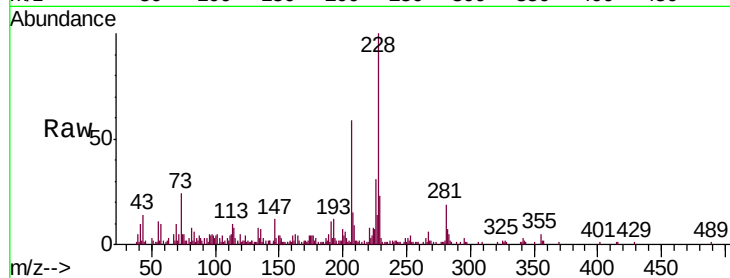
Tgt Ion:228 Resp: 50204

Ion Ratio Lower Upper

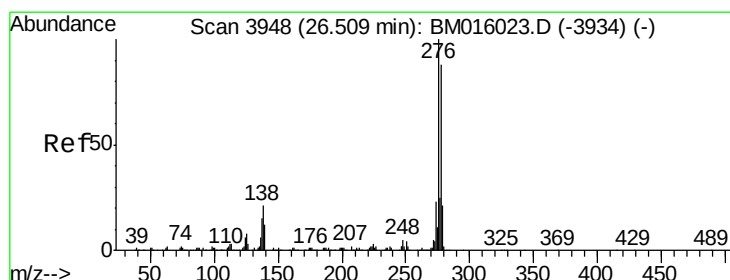
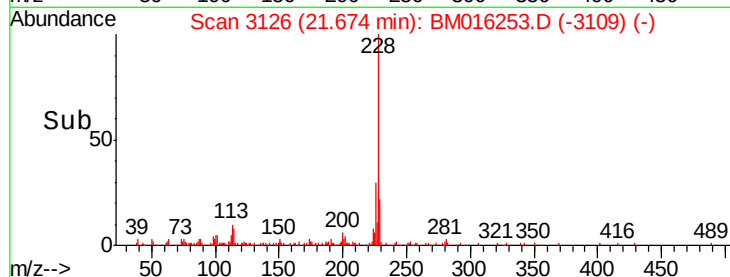
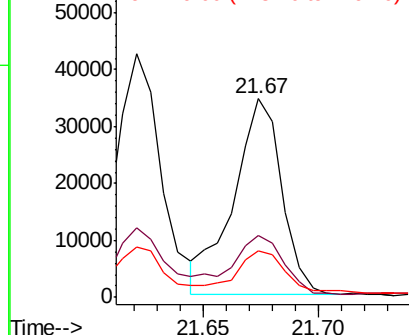
228 100

226 30.9 24.1 36.1

229 23.2 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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.333 ng

RT: 26.36 min Scan# 3923

Delta R.T. 0.00 min

Lab File: BM016253.D

Acq: 08 Aug 2018 17:05

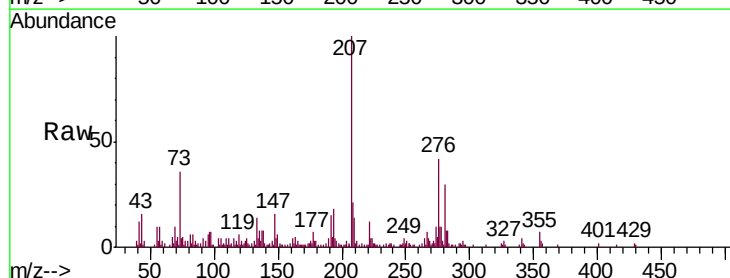
Tgt Ion:276 Resp: 37912

Ion Ratio Lower Upper

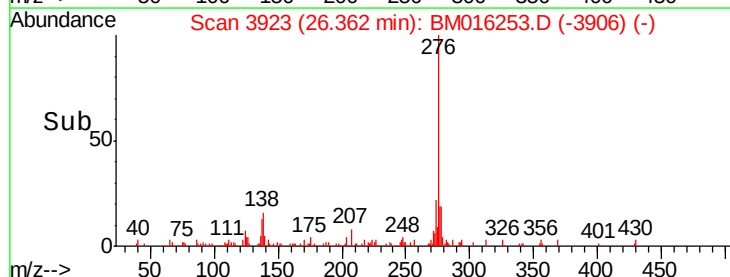
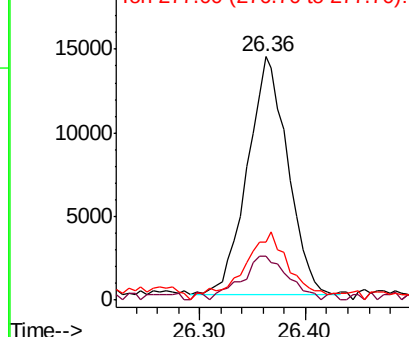
276 100

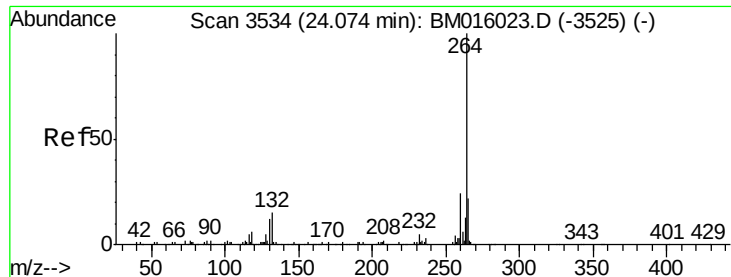
138 21.0 12.0 18.0#

277 33.2 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

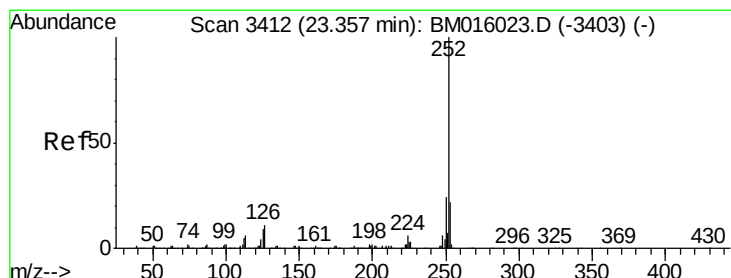
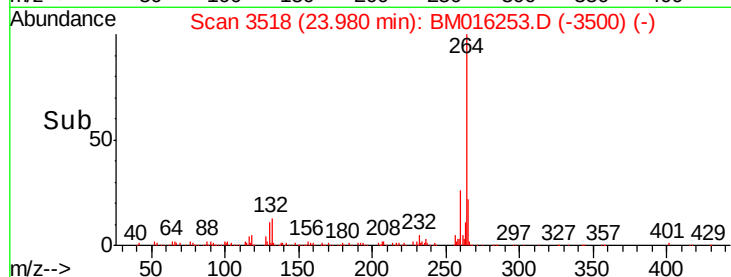
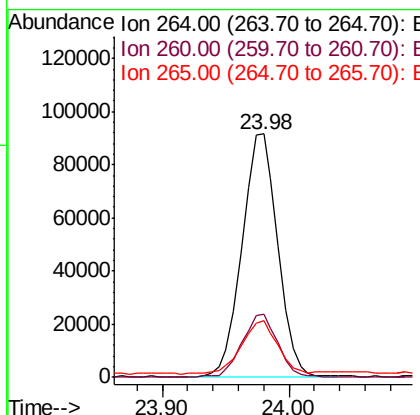
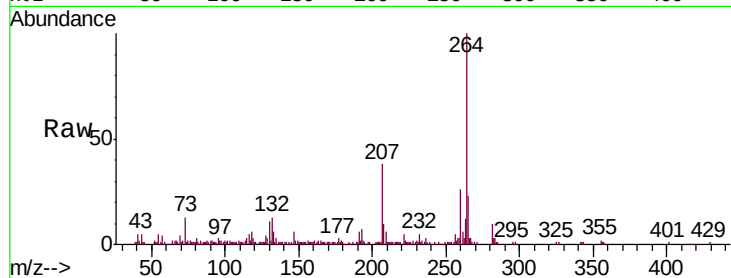




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.98 min Scan# 3518
Delta R.T. 0.01 min
Lab File: BM016253.D
Acq: 08 Aug 2018 17:05

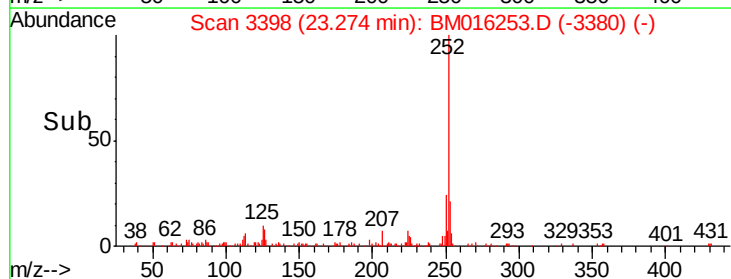
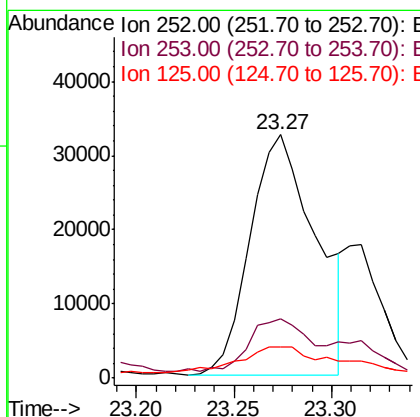
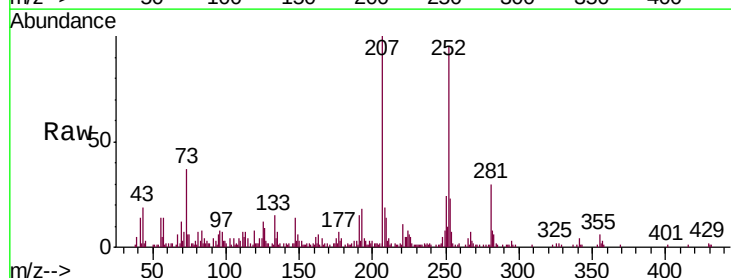
Instrument :
BNA_M
ClientSampleId :
C-10

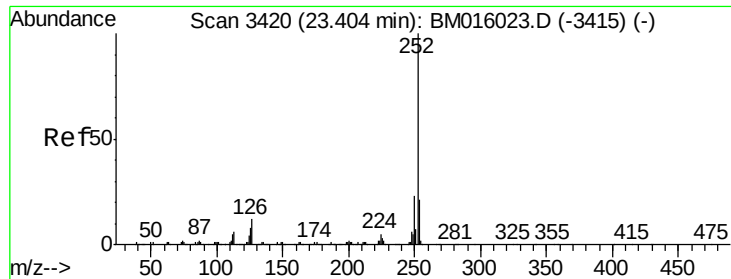
Tgt Ion:	264	Resp:	180191
Ion	Ratio	Lower	Upper
264	100		
260	25.9	18.6	27.8
265	23.5	17.3	25.9



#87
Benzo(b)fluoranthene
Concen: 7.123 ng
RT: 23.27 min Scan# 3398
Delta R.T. 0.01 min
Lab File: BM016253.D
Acq: 08 Aug 2018 17:05

Tgt Ion:	252	Resp:	75570
Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	12.6	9.9	14.9

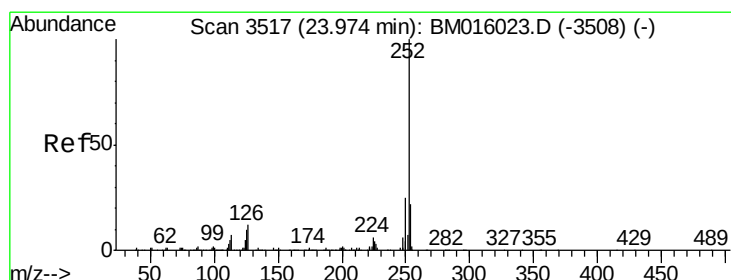
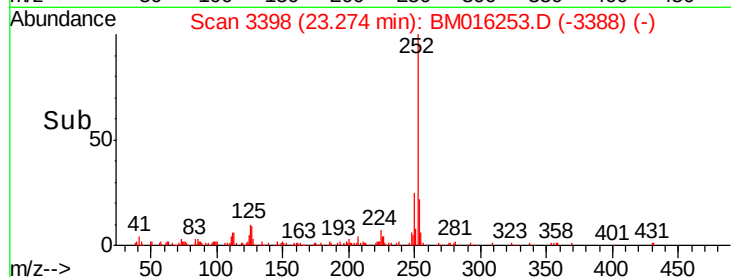
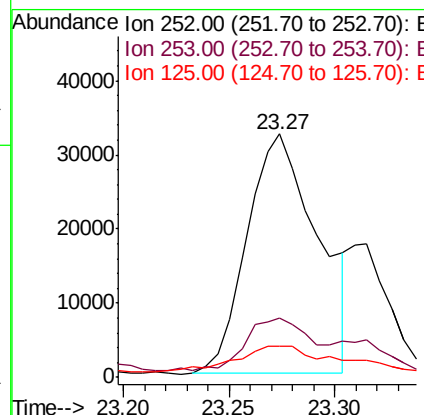
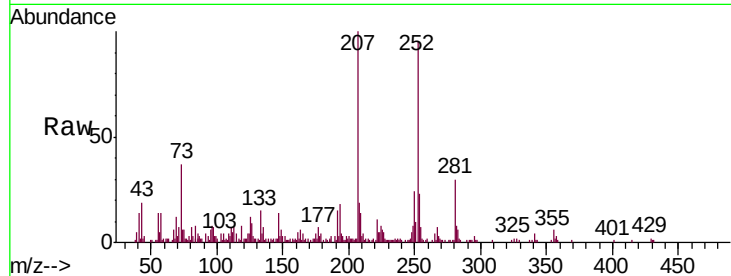




#88
Benzo(k)fluoranthene
Concen: 6.949 ng
RT: 23.27 min Scan# 3398
Delta R.T. -0.04 min
Lab File: BM016253.D
Acq: 08 Aug 2018 17:05

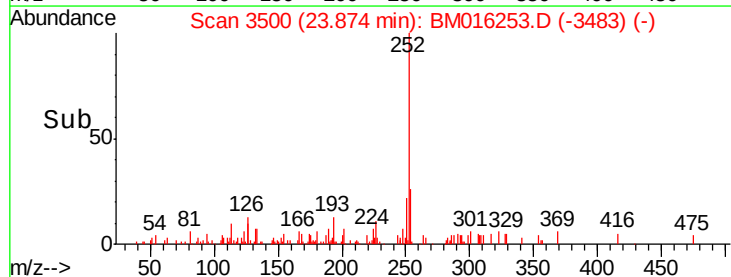
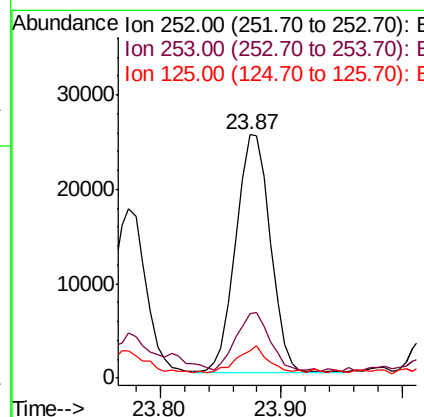
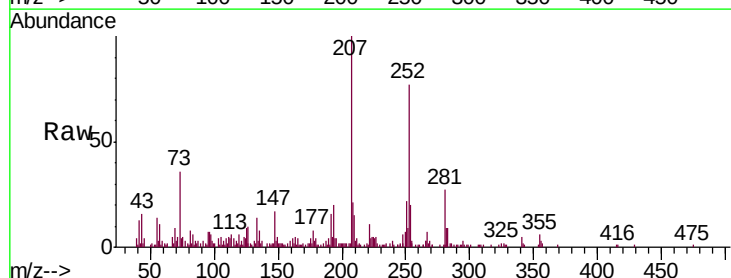
Instrument :
BNA_M
ClientSampleId :
C-10

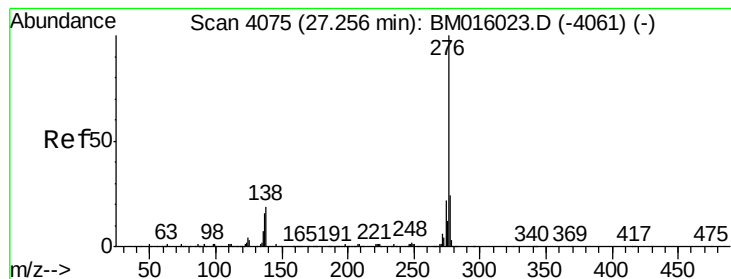
Tgt Ion: 252 Resp: 74720
Ion Ratio Lower Upper
252 100
253 24.4 17.2 25.8
125 12.6 8.1 12.1#



#89
Benzo(a)pyrene
Concen: 4.911 ng
RT: 23.87 min Scan# 3500
Delta R.T. 0.00 min
Lab File: BM016253.D
Acq: 08 Aug 2018 17:05

Tgt Ion: 252 Resp: 50092
Ion Ratio Lower Upper
252 100
253 26.3 17.6 26.4
125 11.1 7.4 11.2





#91

Benzo(g,h,i)perylene

Concen: 3.871 ng

RT: 27.10 min Scan# 4048

Delta R.T. 0.00 min

Lab File: BM016253.D

Acq: 08 Aug 2018 17:05

Instrument :

BNA_M

ClientSampleId :

C-10

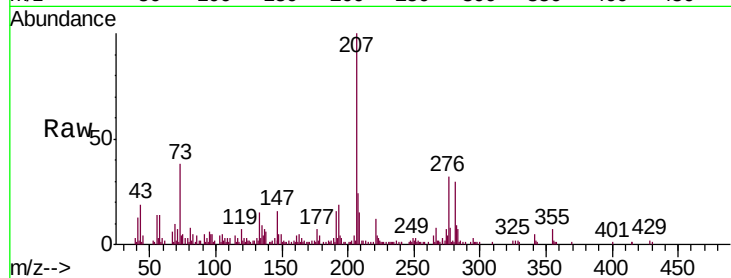
Tgt Ion: 276 Resp: 38688

Ion Ratio Lower Upper

276 100

277 24.6 18.5 27.7

138 18.8 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

