

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051319\
 Data File : BM020323.D
 Acq On : 13 May 2019 19:22
 Operator : JU/SJ
 Sample : K2808-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RT-2683-RT-5156

Quant Time: May 14 03:50:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:58:37 2019
 Response via : Initial Calibration

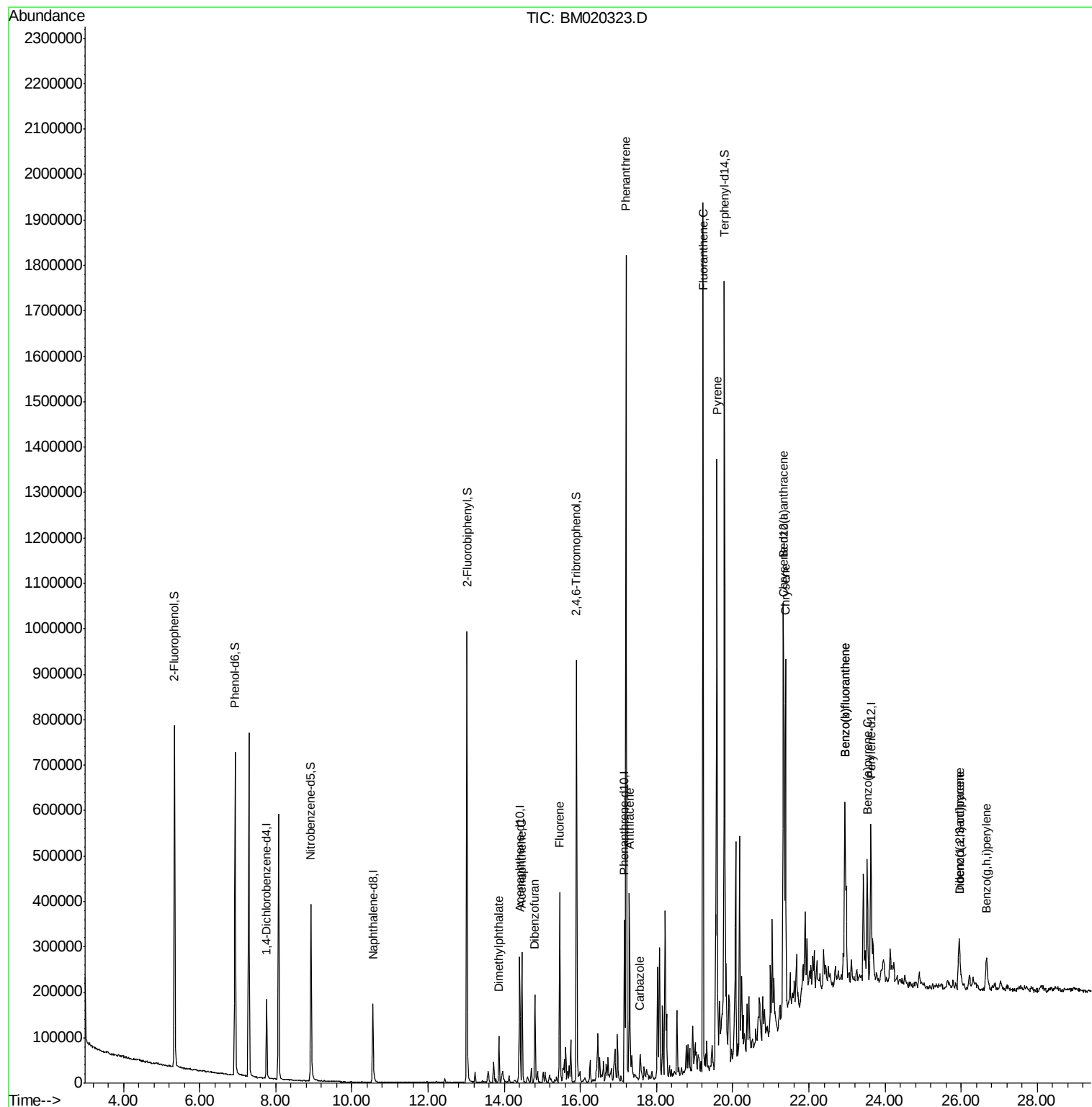
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	46837	20.00	ng	-0.04
21) Naphthalene-d8	10.55	136	148606	20.00	ng	-0.04
39) Acenaphthene-d10	14.40	164	89390	20.00	ng	-0.03
64) Phenanthrene-d10	17.16	188	205481	20.00	ng	-0.02
76) Chrysene-d12	21.35	240	216924	20.00	ng	-0.02
87) Perylene-d12	23.63	264	260320	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	313493	109.41	ng	-0.02
7) Phenol-d6	6.93	99	402876	102.92	ng	-0.02
23) Nitrobenzene-d5	8.92	82	271391	72.10	ng	-0.04
42) 2,4,6-Tribromophenol	15.90	330	157507	113.52	ng	-0.02
45) 2-Fluorobiphenyl	13.02	172	510189	70.22	ng	-0.04
79) Terphenyl-d14	19.79	244	799205	64.26	ng	-0.02
Target Compounds						
50) Dimethylphthalate	13.86	163	62326	8.204	ng	Qvalue 98
52) Acenaphthene	14.47	154	96071	17.819	ng	98
55) Dibenzofuran	14.80	168	117715	12.944	ng	95
58) Fluorene	15.46	166	182009	24.370	ng	100
71) Phenanthrene	17.20	178	1074499	94.730	ng	100
72) Anthracene	17.29	178	243567	21.477	ng	99
73) Carbazole	17.57	167	30794	3.009	ng	97
75) Fluoranthene	19.22	202	1151628	80.245	ng	100
78) Pyrene	19.59	202	873402	59.970	ng	99
81) Benzo(a)anthracene	21.33	228	430600	28.305	ng	99
83) Chrysene	21.39	228	417614	28.305	ng	97
86) Indeno(1,2,3-cd)pyrene	25.94	276	96304	5.488	ng	# 100
88) Benzo(b)fluoranthene	22.94	252	488088	28.393	ng	97
89) Benzo(k)fluoranthene	22.94	252	486163	31.004	ng	98
90) Benzo(a)pyrene	23.53	252	222774	14.267	ng	96
91) Dibenzo(a,h)anthracene	25.95	278	36668	2.258	ng	# 94
92) Benzo(g,h,i)perylene	26.66	276	88278	5.726	ng	95

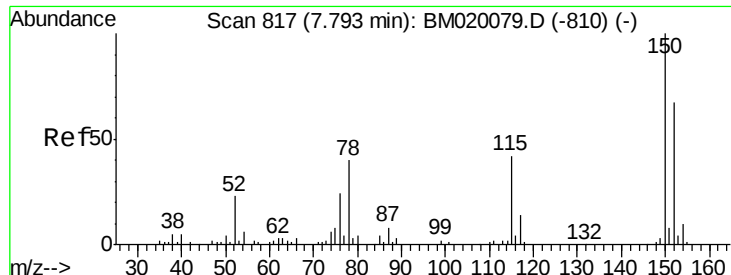
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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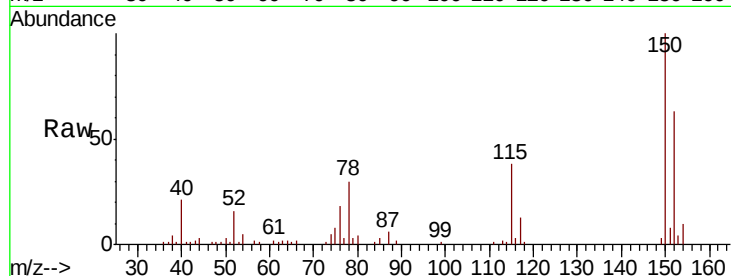


#1

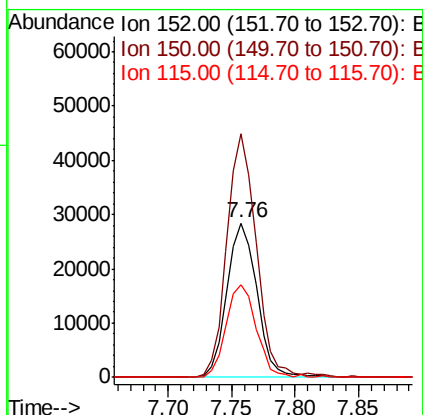
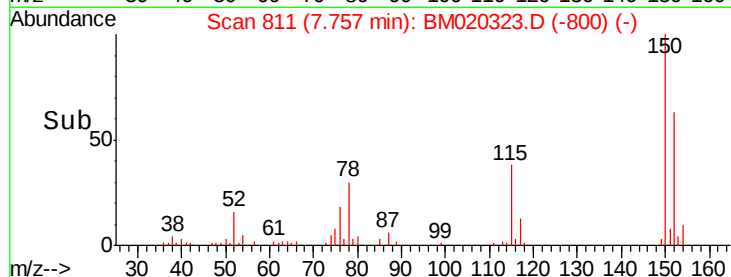
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.76 min Scan# 811
 Delta R.T. -0.04 min
 Lab File: BM020323.D
 Acq: 13 May 2019 19:22

Instrument :
 BNA_M
 ClientSampleId :
 RT-2683-RT-5156

Tgt Ion:152 Resp: 46837
 Ion Ratio Lower Upper
 152 100
 150 157.7 119.8 179.8
 115 60.1 50.8 76.2



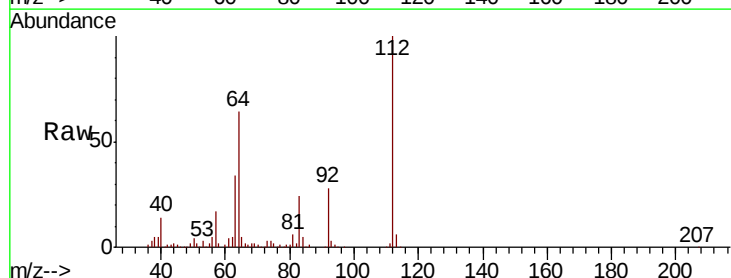
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



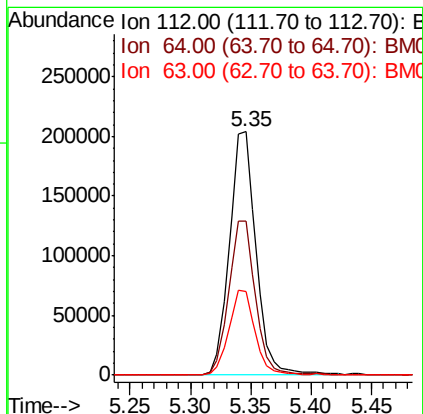
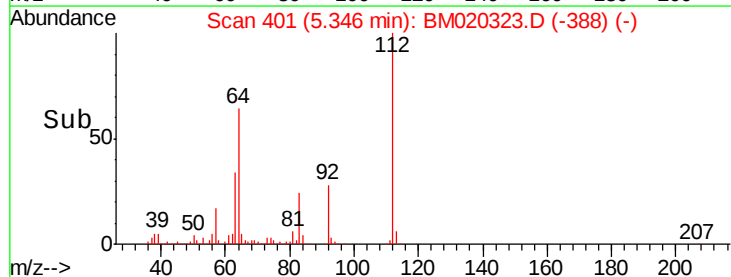
#5

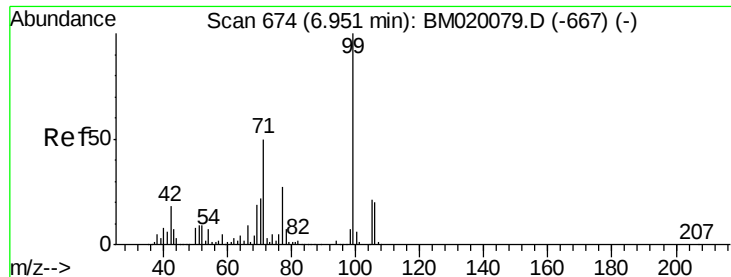
2-Fluorophenol
 Concen: 109.408 ng
 RT: 5.35 min Scan# 401
 Delta R.T. -0.02 min
 Lab File: BM020323.D
 Acq: 13 May 2019 19:22

Tgt Ion:112 Resp: 313493
 Ion Ratio Lower Upper
 112 100
 64 63.5 53.8 80.6
 63 34.1 32.3 48.5



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: 102.919 ng

RT: 6.93 min Scan# 670

Delta R.T. -0.02 min

Lab File: BM020323.D

Acq: 13 May 2019 19:22

Instrument :

BNA_M

ClientSampleId :

RT-2683-RT-5156

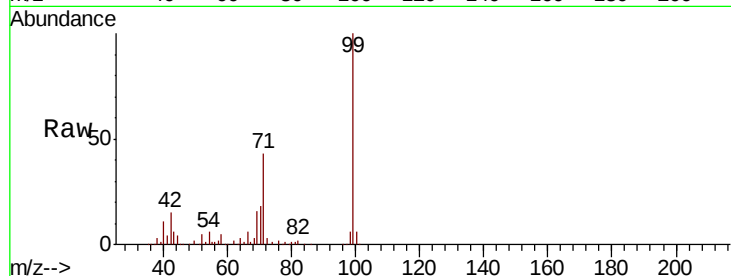
Tgt Ion: 99 Resp: 402876

Ion Ratio Lower Upper

99 100

42 15.0 14.2 21.2

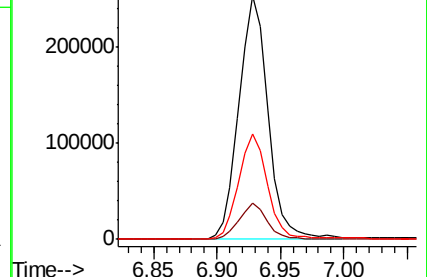
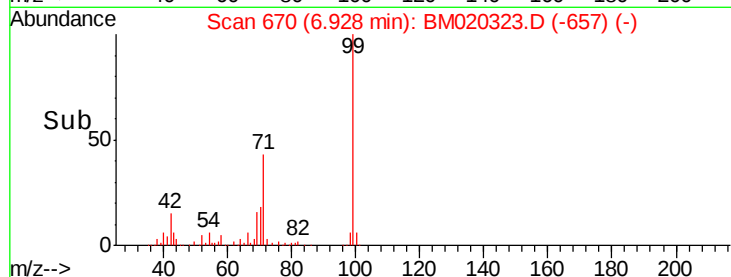
71 43.4 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020323.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM020323.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM020323.D (-657) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.55 min Scan# 1286

Delta R.T. -0.04 min

Lab File: BM020323.D

Acq: 13 May 2019 19:22

Tgt Ion: 136 Resp: 148606

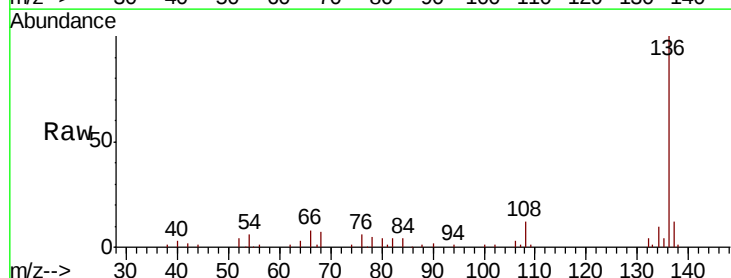
Ion Ratio Lower Upper

136 100

137 11.5 9.6 14.4

54 6.1 5.5 8.3

68 7.1 4.6 6.8#

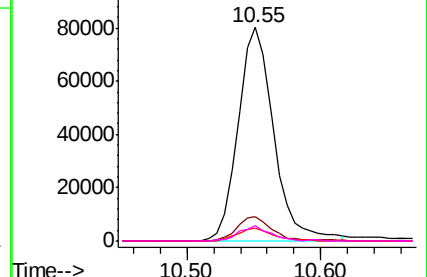
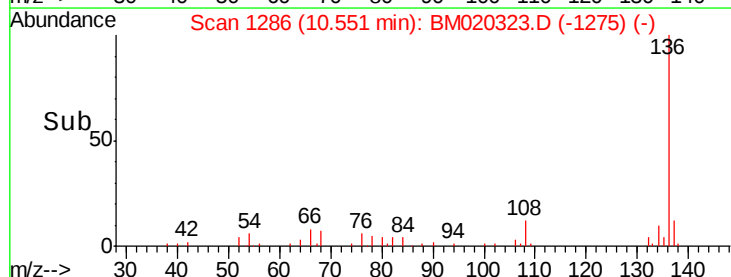


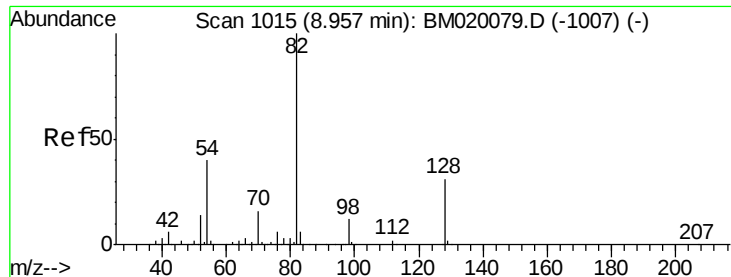
Abundance Ion 136.00 (135.70 to 136.70): BM020323.D (-1275) (-)

Ion 137.00 (136.70 to 137.70): BM020323.D (-1275) (-)

Ion 54.00 (53.70 to 54.70): BM020323.D (-1275) (-)

Ion 68.00 (67.70 to 68.70): BM020323.D (-1275) (-)

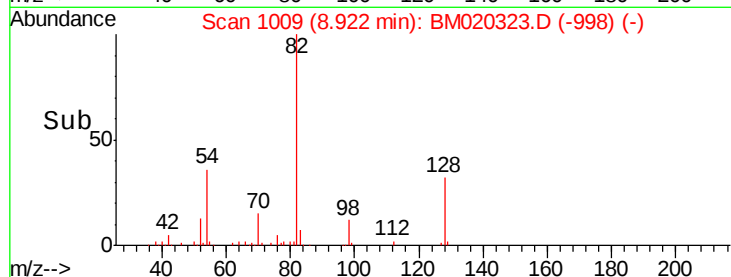
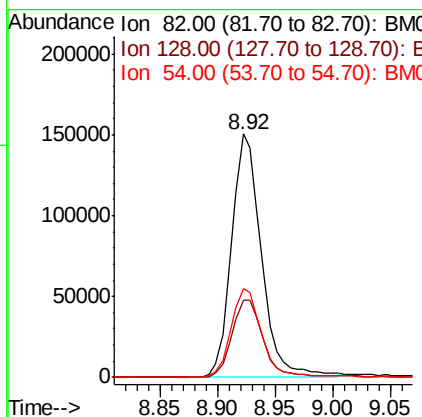
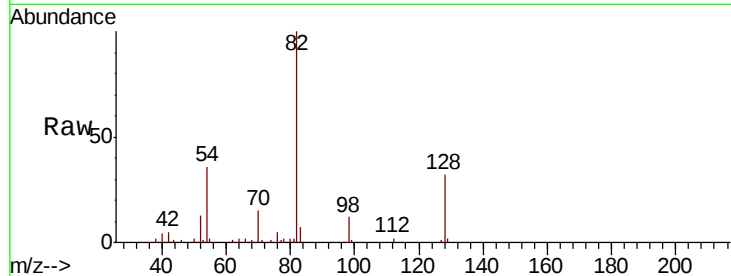




#23
 Nitrobenzene-d5
 Concen: 72.100 ng
 RT: 8.92 min Scan# 1009
 Delta R.T. -0.04 min
 Lab File: BM020323.D
 Acq: 13 May 2019 19:22

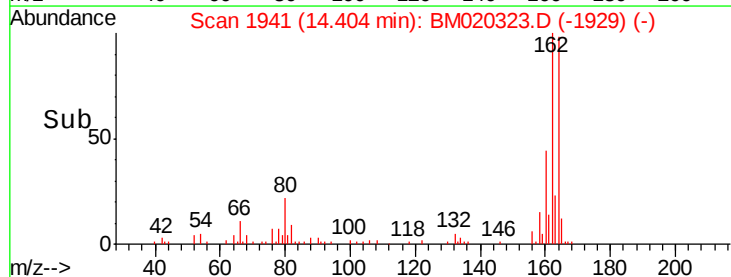
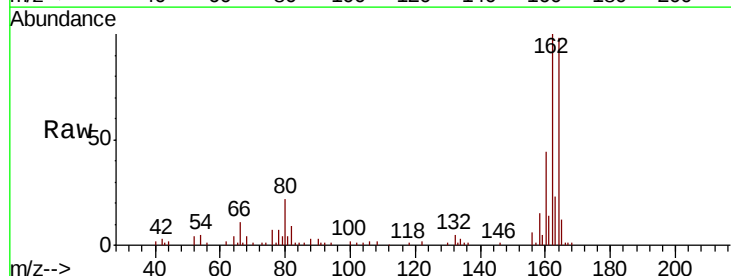
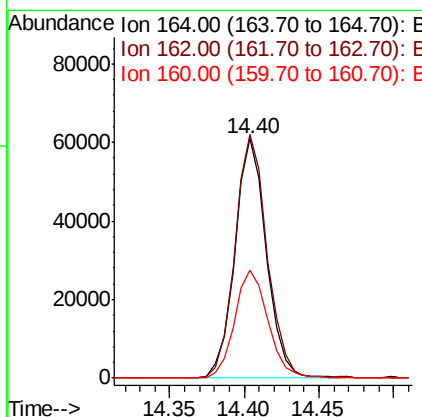
Instrument :
 BNA_M
 ClientSampleId :
 RT-2683-RT-5156

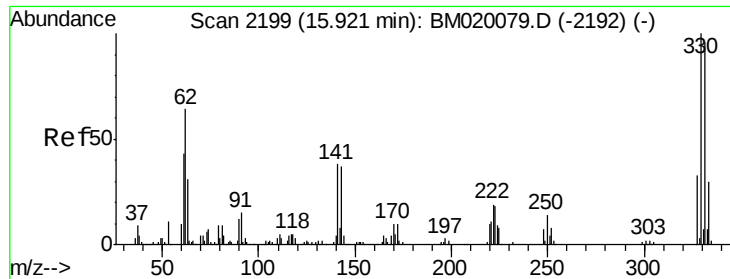
Tgt Ion	Ratio	Lower	Upper
82	100		
128	31.9	25.2	37.8
54	36.2	31.9	47.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.40 min Scan# 1941
 Delta R.T. -0.03 min
 Lab File: BM020323.D
 Acq: 13 May 2019 19:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.2	123.2
160	45.1	37.6	56.4

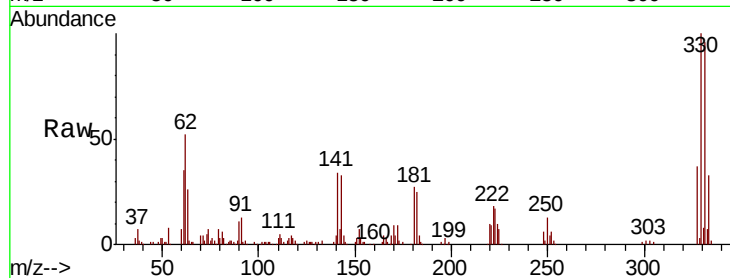




#42
 2,4,6-Tribromophenol
 Concen: 113.518 ng
 RT: 15.90 min Scan# 2195
 Delta R.T. -0.02 min
 Lab File: BM020323.D
 Acq: 13 May 2019 19:22

Instrument :
 BNA_M
 ClientSampleId :
 RT-2683-RT-5156

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.8	115.2
141	32.1	29.2	43.8

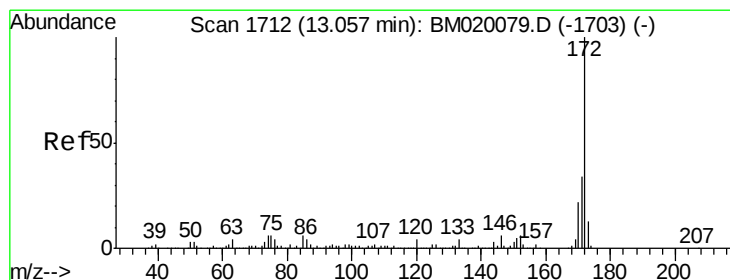
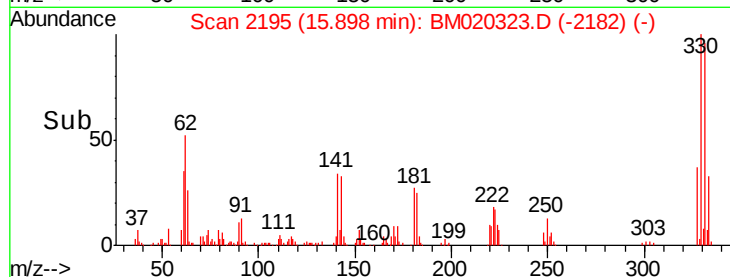
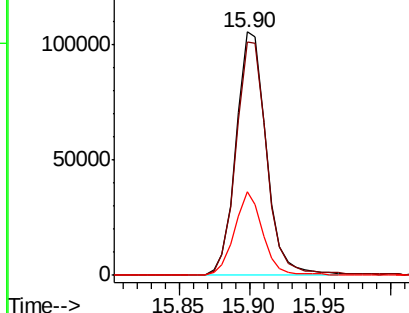


Abundance

Ion 329.80 (329.50 to 330.50): E

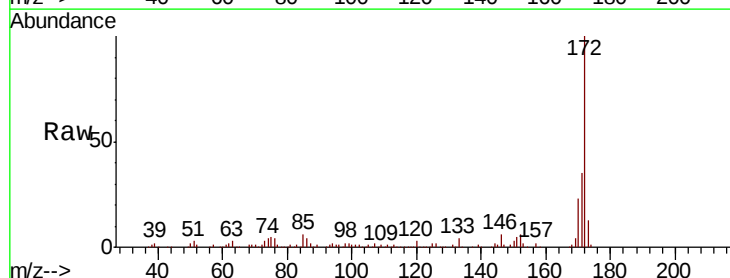
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 70.222 ng
 RT: 13.02 min Scan# 1706
 Delta R.T. -0.04 min
 Lab File: BM020323.D
 Acq: 13 May 2019 19:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.3	40.9
170	23.3	17.9	26.9

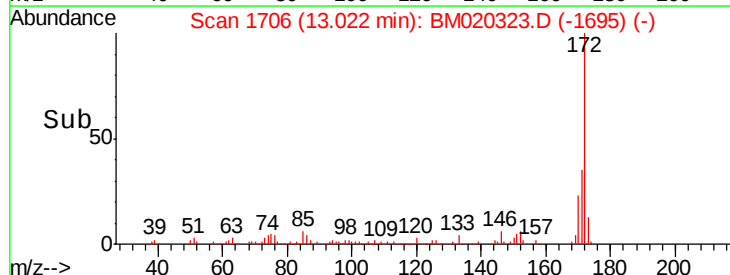
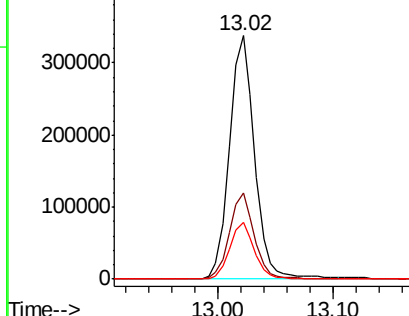


Abundance

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





#50

Dimethylphthalate

Concen: 8.204 ng

RT: 13.86 min Scan# 1849

Delta R.T. -0.04 min

Lab File: BM020323.D

Acq: 13 May 2019 19:22

Instrument :

BNA_M

ClientSampleId :

RT-2683-RT-5156

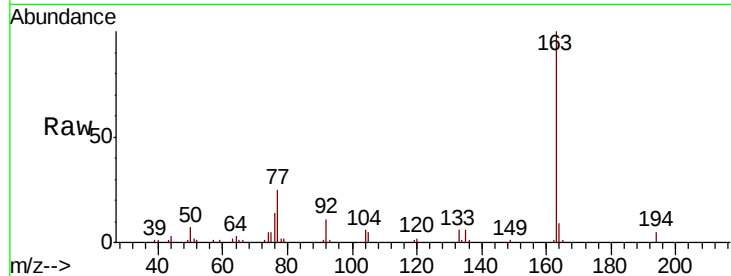
Tgt Ion:163 Resp: 62326

Ion Ratio Lower Upper

163 100

194 4.7 3.6 5.4

164 9.4 8.4 12.6

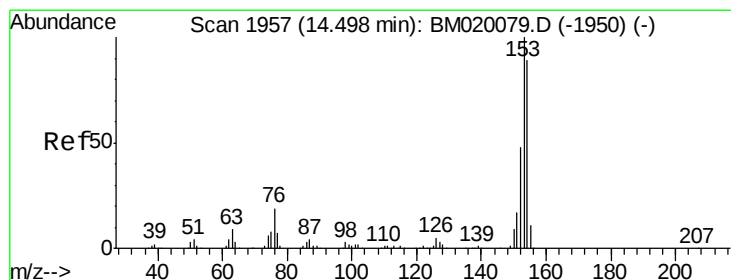
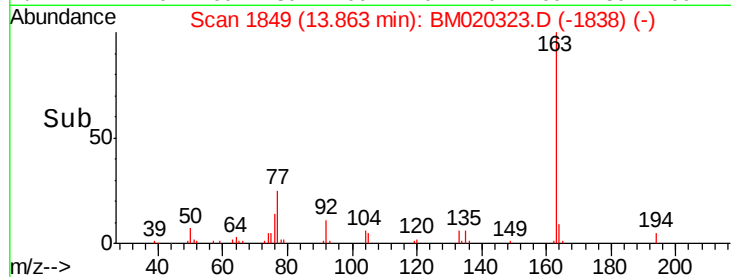
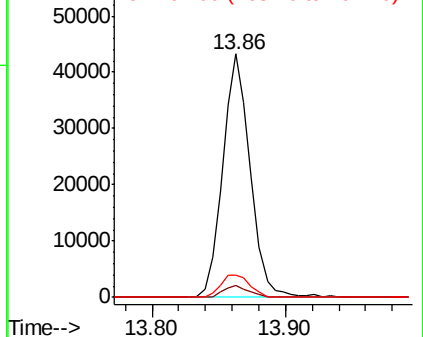


Abundance

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



#52

Acenaphthene

Concen: 17.819 ng

RT: 14.47 min Scan# 1952

Delta R.T. -0.03 min

Lab File: BM020323.D

Acq: 13 May 2019 19:22

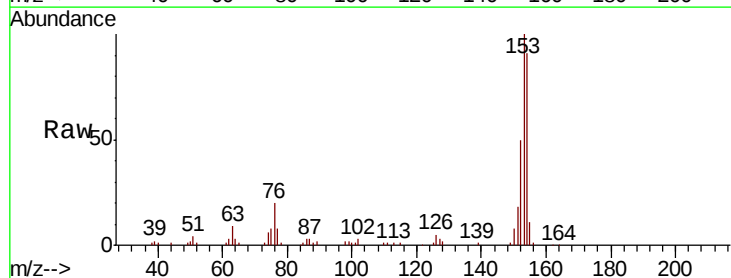
Tgt Ion:154 Resp: 96071

Ion Ratio Lower Upper

154 100

153 110.0 90.2 135.2

152 54.5 43.0 64.4

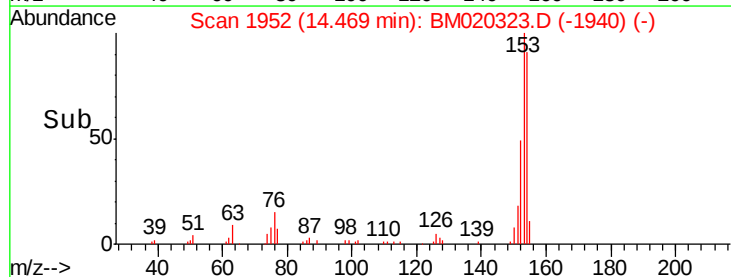
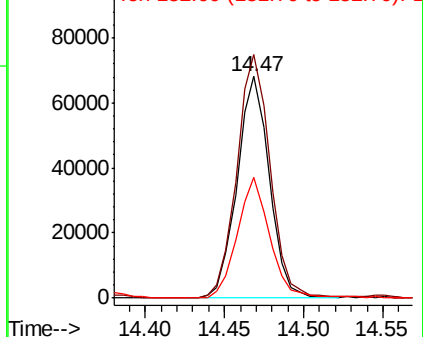


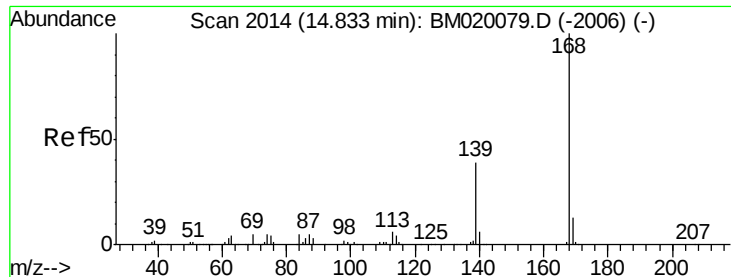
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

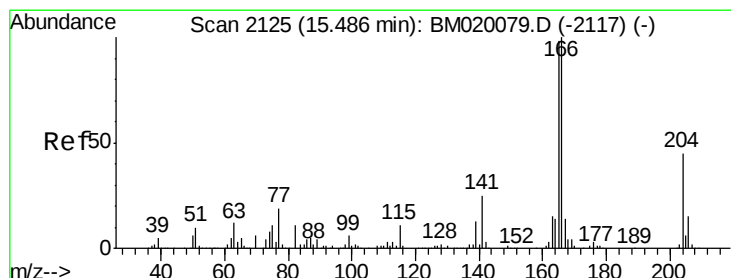
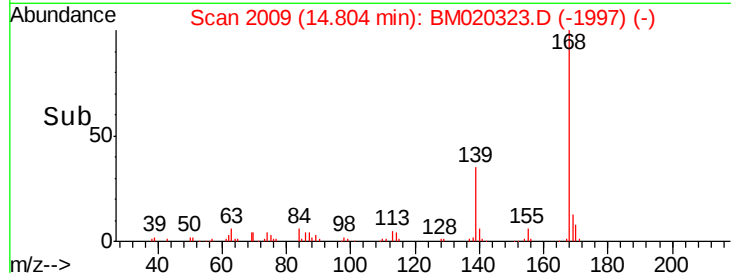
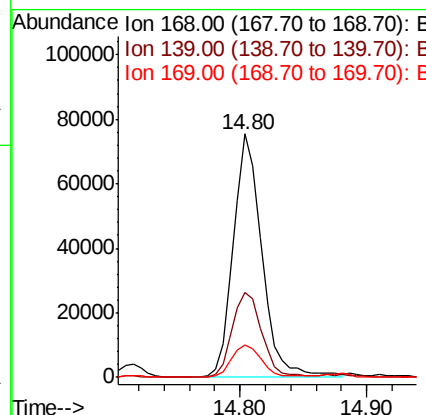
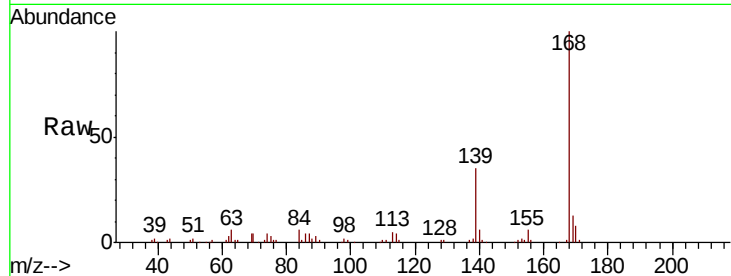




#55
Dibenzenofuran
Concen: 12.944 ng
RT: 14.80 min Scan# 2009
Delta R.T. -0.03 min
Lab File: BM020323.D
Acq: 13 May 2019 19:22

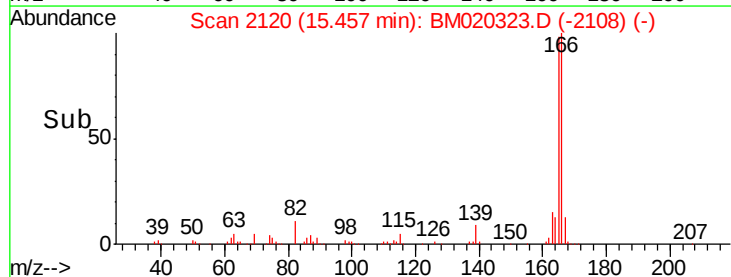
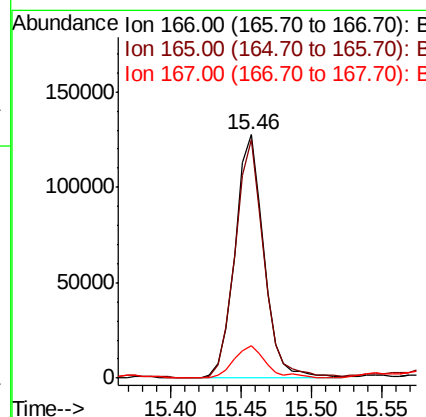
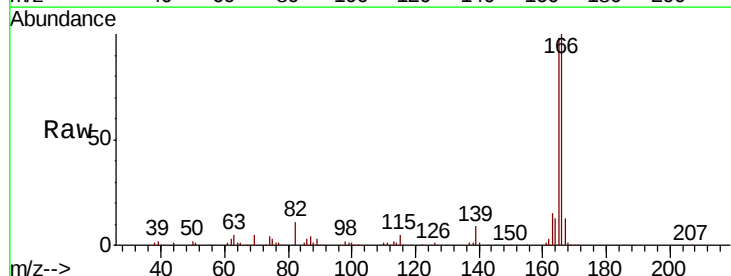
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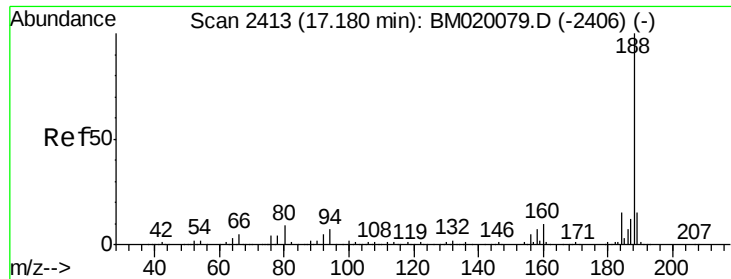
Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.9	31.1	46.7
169	13.2	10.6	16.0



#58
Fluorene
Concen: 24.370 ng
RT: 15.46 min Scan# 2120
Delta R.T. -0.03 min
Lab File: BM020323.D
Acq: 13 May 2019 19:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.2	117.2
167	13.3	11.0	16.4

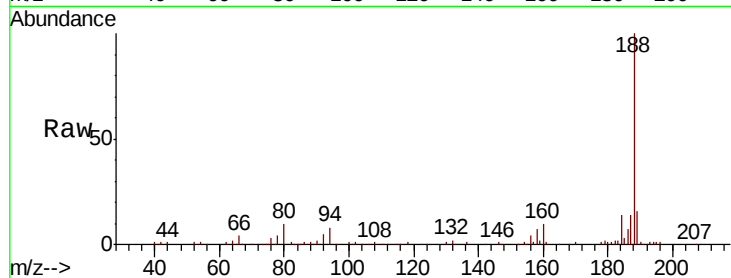




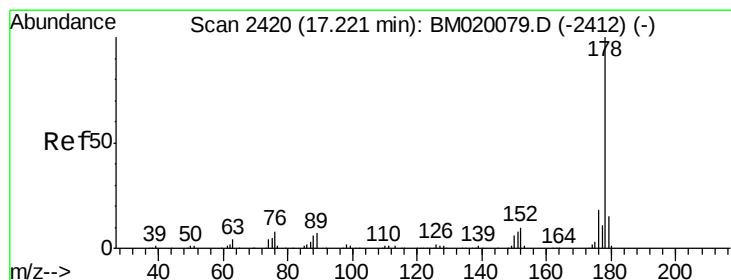
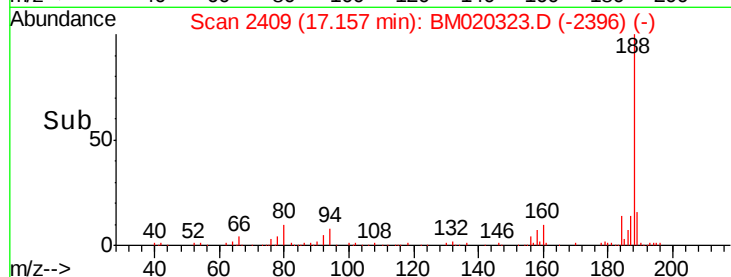
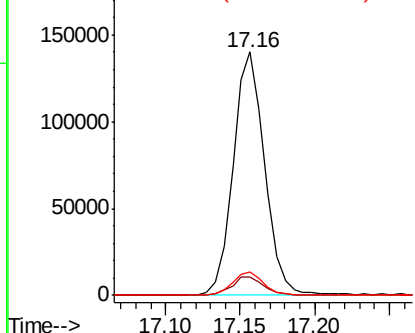
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.16 min Scan# 2409
 Delta R.T. -0.02 min
 Lab File: BM020323.D
 Acq: 13 May 2019 19:22

Instrument :
 BNA_M
 ClientSampleId :
 RT-2683-RT-5156

Tgt Ion:188 Resp: 205481
 Ion Ratio Lower Upper
 188 100
 94 7.7 5.8 8.6
 80 9.9 7.4 11.2

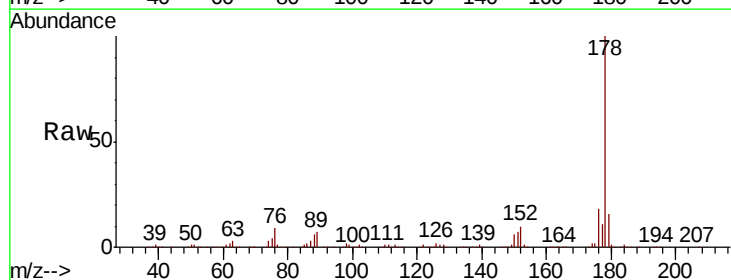


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BM
 Ion 80.00 (79.70 to 80.70): BM

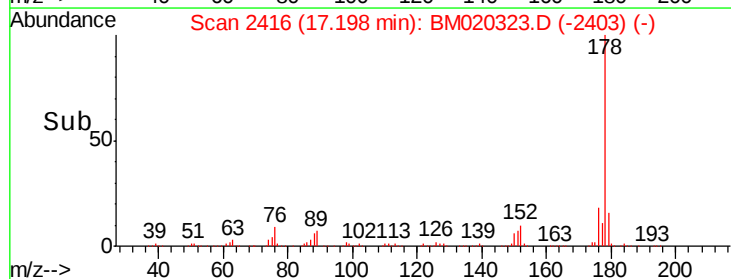
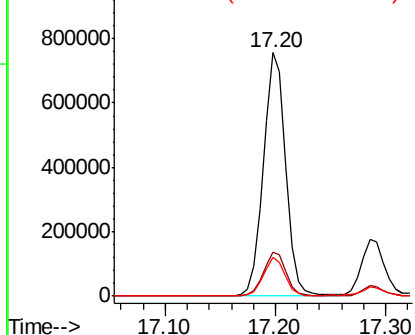


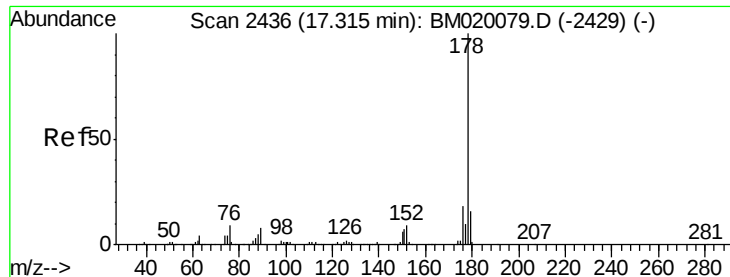
#71
 Phenanthrene
 Concen: 94.730 ng
 RT: 17.20 min Scan# 2416
 Delta R.T. -0.02 min
 Lab File: BM020323.D
 Acq: 13 May 2019 19:22

Tgt Ion:178 Resp: 1074499
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.6 21.8
 179 15.8 12.4 18.6



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

Anthracene

Concen: 21.477 ng

RT: 17.29 min Scan# 2431

Delta R.T. -0.03 min

Lab File: BM020323.D

Acq: 13 May 2019 19:22

Instrument :

BNA_M

ClientSampleId :

RT-2683-RT-5156

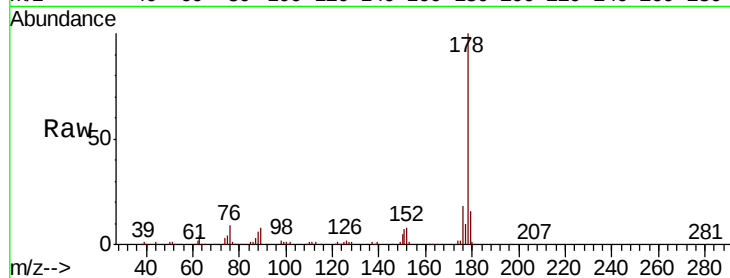
Tgt Ion:178 Resp: 243567

Ion Ratio Lower Upper

178 100

176 18.5 14.6 22.0

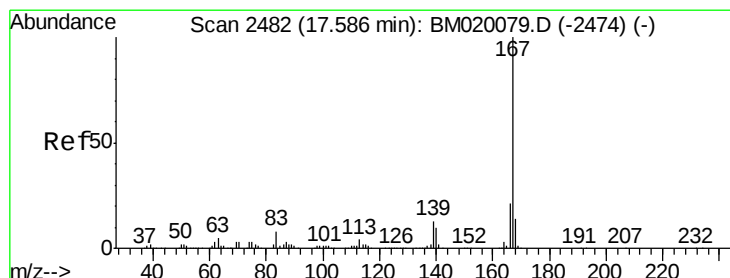
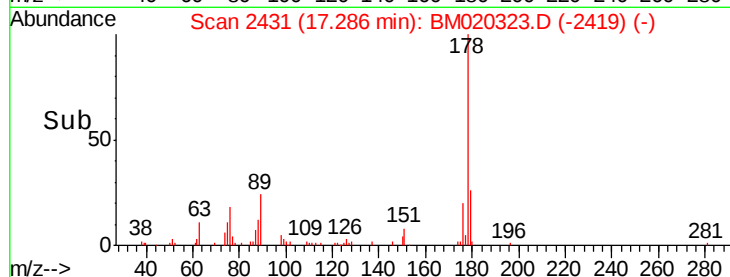
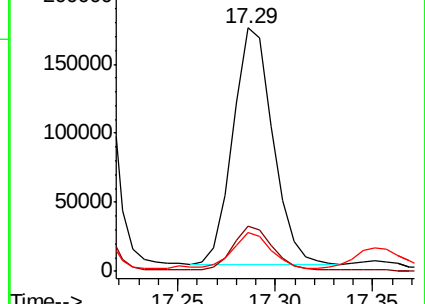
179 16.2 12.4 18.6



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



#73

Carbazole

Concen: 3.009 ng

RT: 17.57 min Scan# 2479

Delta R.T. -0.02 min

Lab File: BM020323.D

Acq: 13 May 2019 19:22

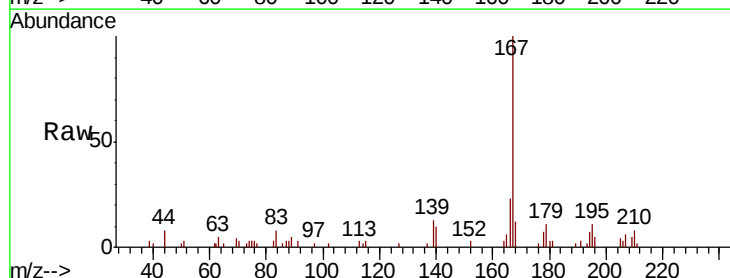
Tgt Ion:167 Resp: 30794

Ion Ratio Lower Upper

167 100

166 23.3 17.0 25.6

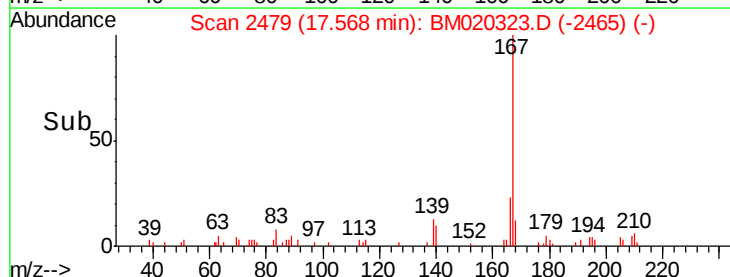
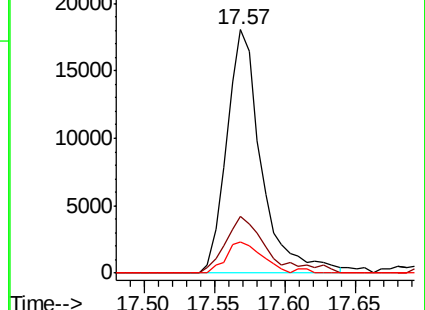
139 13.0 10.6 16.0

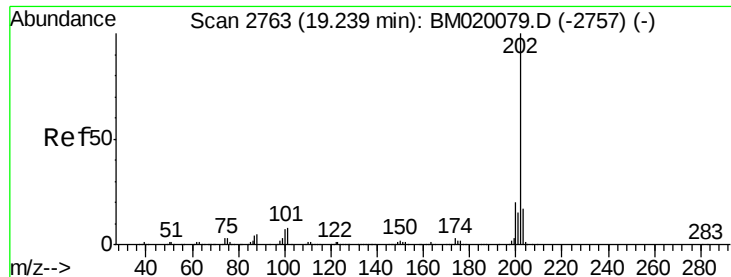


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 80.245 ng

RT: 19.22 min Scan# 2760

Delta R.T. -0.02 min

Lab File: BM020323.D

Acq: 13 May 2019 19:22

Instrument :

BNA_M

ClientSampleId :

RT-2683-RT-5156

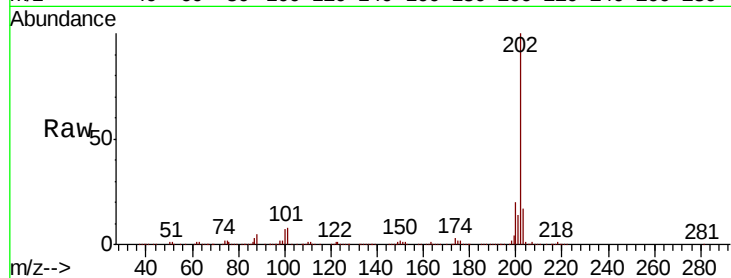
Tgt Ion:202 Resp: 1151628

Ion Ratio Lower Upper

202 100

101 8.2 0.0 28.4

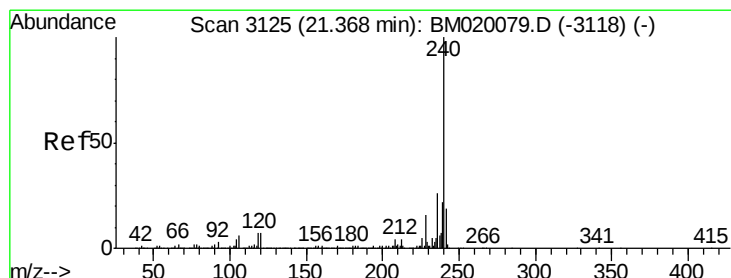
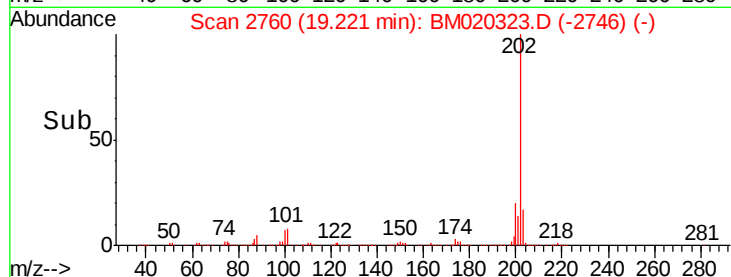
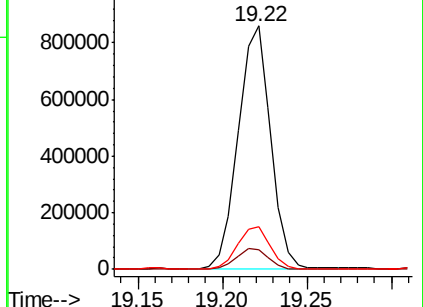
203 17.5 0.0 37.4



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.35 min Scan# 3122

Delta R.T. -0.02 min

Lab File: BM020323.D

Acq: 13 May 2019 19:22

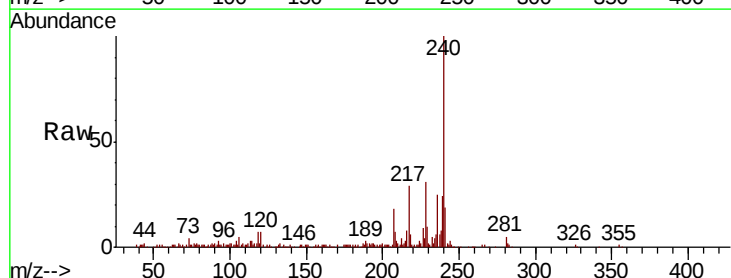
Tgt Ion:240 Resp: 216924

Ion Ratio Lower Upper

240 100

120 6.8 5.6 8.4

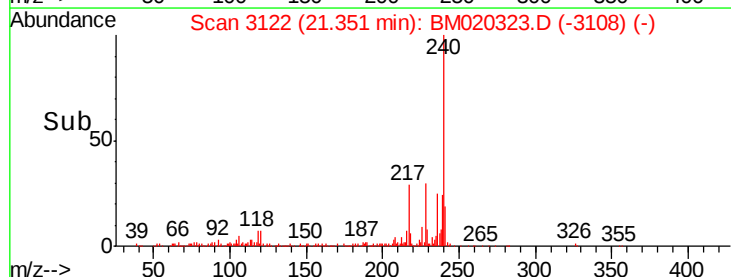
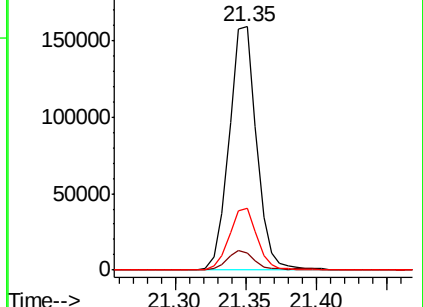
236 25.4 20.9 31.3

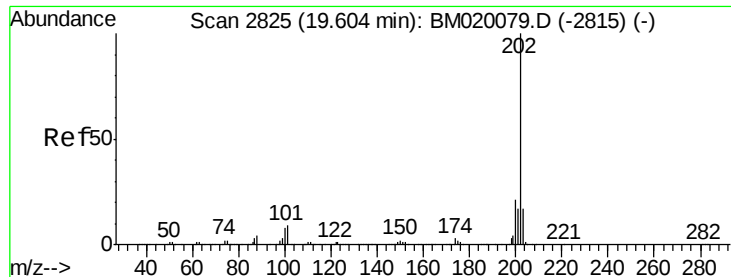


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 59.970 ng

RT: 19.59 min Scan# 2822

Delta R.T. -0.02 min

Lab File: BM020323.D

Acq: 13 May 2019 19:22

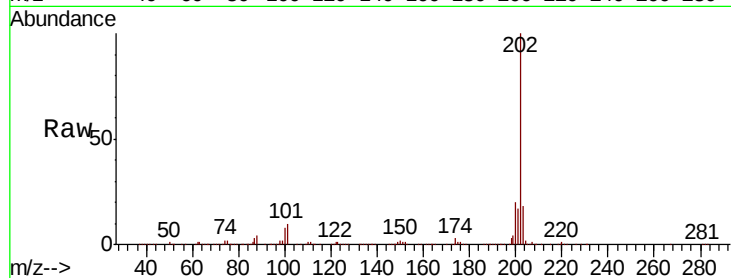
Instrument :

BNA_M

ClientSampleId :

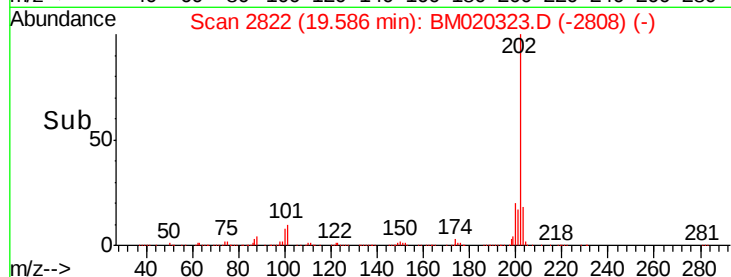
RT-2683-RT-5156

Tgt Ion:	202	Resp:	873402
Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.5	24.7
203	17.8	13.9	20.9

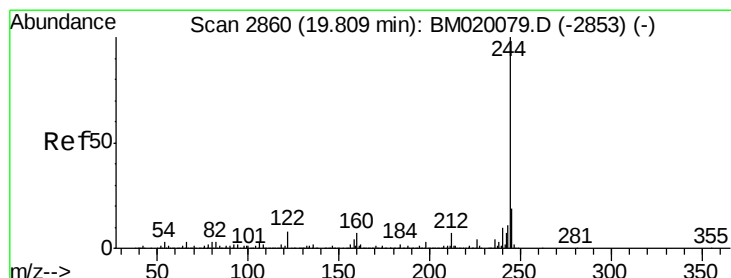


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

19.59



Time-->



#79

Terphenyl-d14

Concen: 64.262 ng

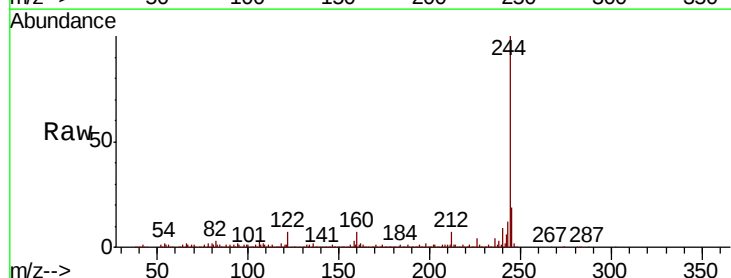
RT: 19.79 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BM020323.D

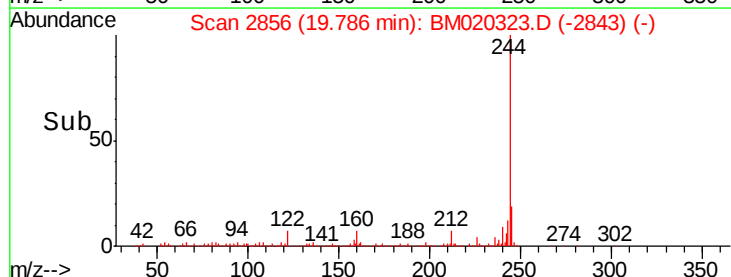
Acq: 13 May 2019 19:22

Tgt Ion:	244	Resp:	799205
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	7.1	6.2	9.2

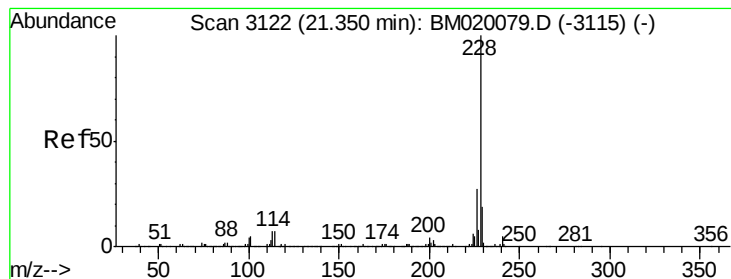


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

19.79



Time-->



#81

Benzo(a)anthracene

Concen: 28.305 ng

RT: 21.33 min Scan# 3119

Delta R.T. -0.02 min

Lab File: BM020323.D

Acq: 13 May 2019 19:22

Instrument :

BNA_M

ClientSampleId :

RT-2683-RT-5156

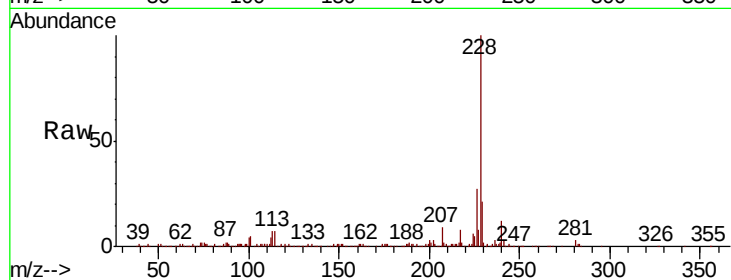
Tgt Ion:228 Resp: 430600

Ion Ratio Lower Upper

228 100

226 26.5 21.3 31.9

229 20.7 15.5 23.3

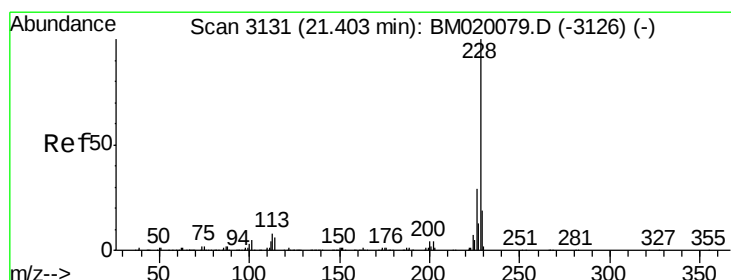
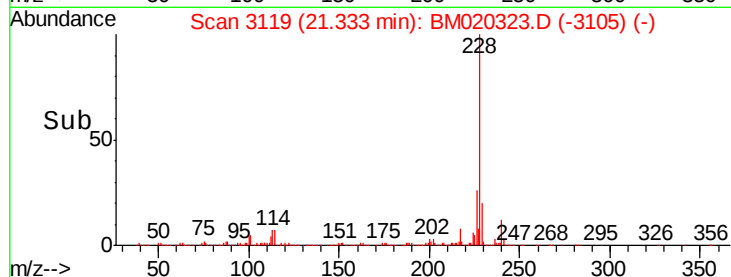
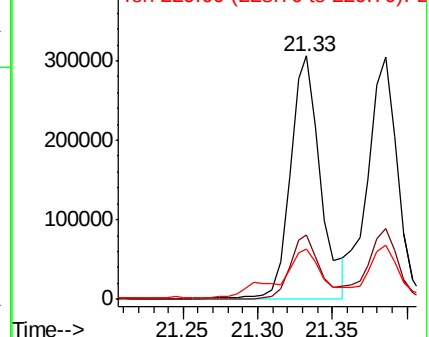


Abundance

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



#83

Chrysene

Concen: 28.305 ng

RT: 21.39 min Scan# 3128

Delta R.T. -0.02 min

Lab File: BM020323.D

Acq: 13 May 2019 19:22

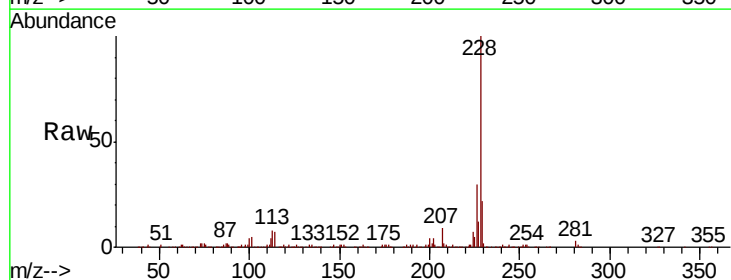
Tgt Ion:228 Resp: 417614

Ion Ratio Lower Upper

228 100

226 29.5 23.0 34.6

229 22.2 15.5 23.3

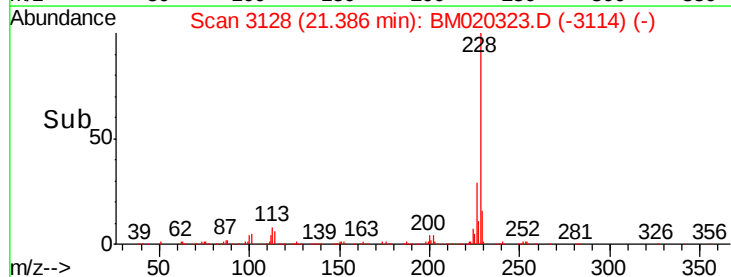
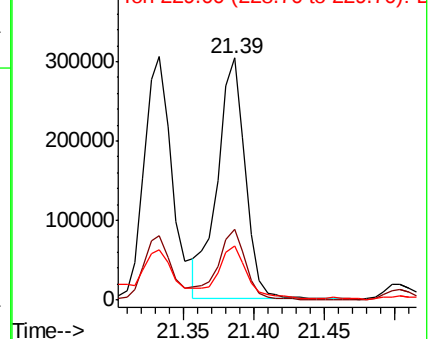


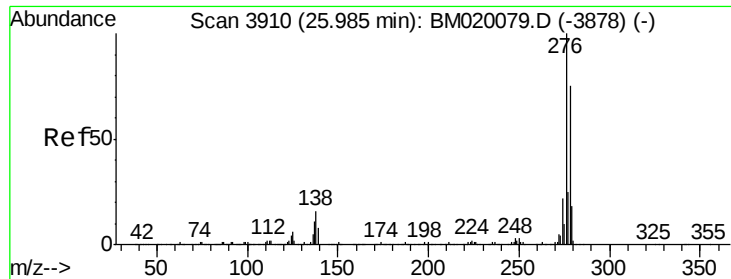
Abundance

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

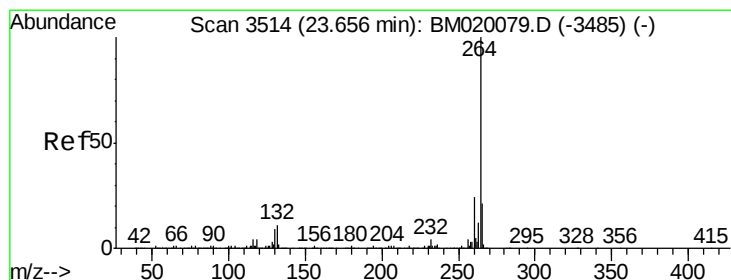
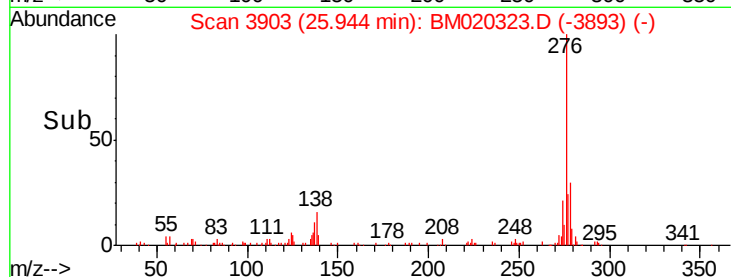
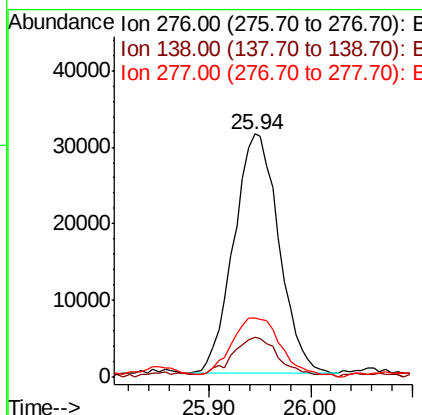
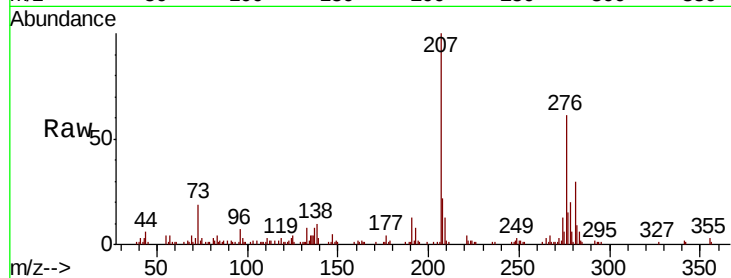




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.488 ng
 RT: 25.94 min Scan# 3903
 Delta R.T. -0.04 min
 Lab File: BM020323.D
 Acq: 13 May 2019 19:22

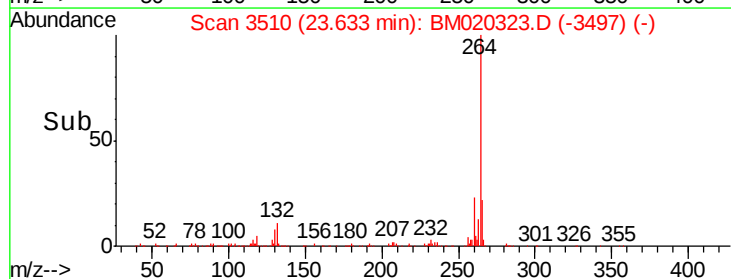
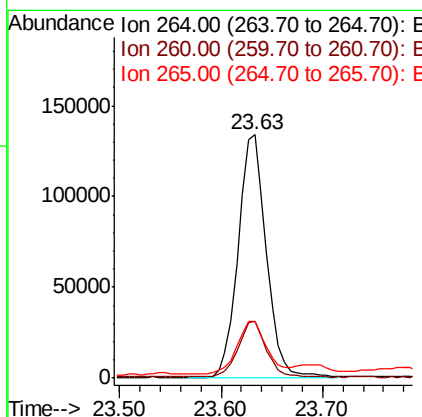
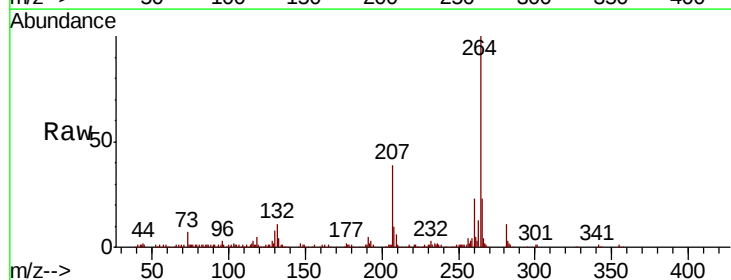
Instrument :
 BNA_M
 ClientSampleId :
 RT-2683-RT-5156

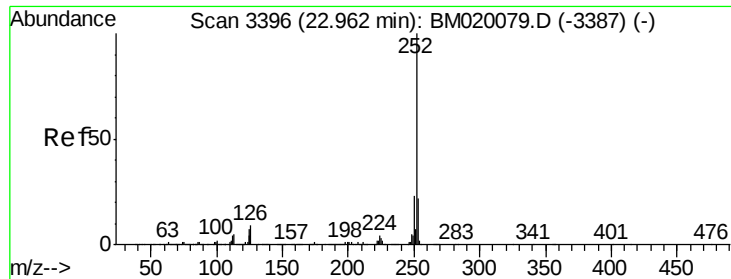
Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.0	0.0	0.0#
277	27.7	0.0	0.0#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.63 min Scan# 3510
 Delta R.T. -0.02 min
 Lab File: BM020323.D
 Acq: 13 May 2019 19:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	23.5	16.9	25.3

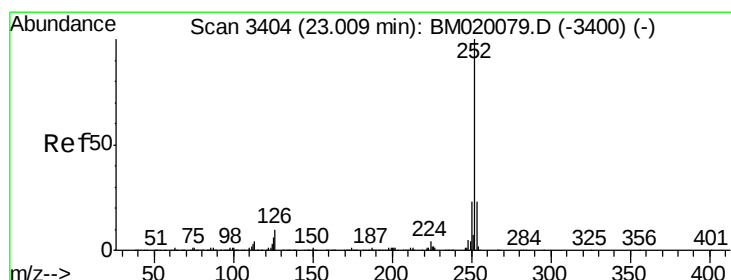
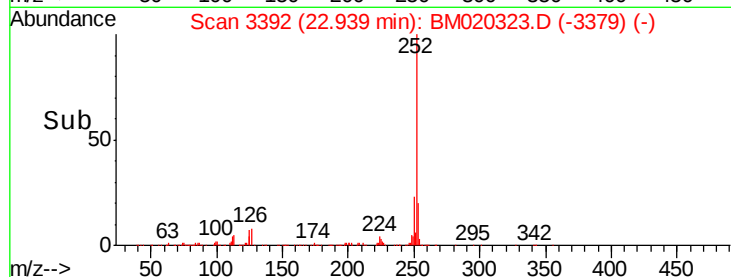
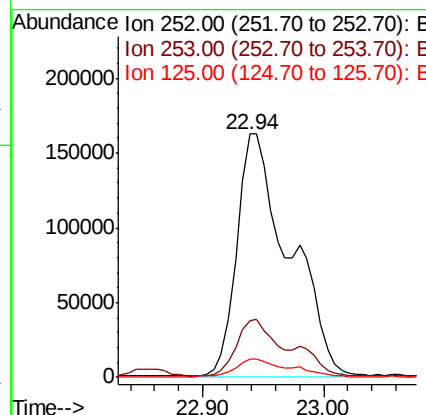
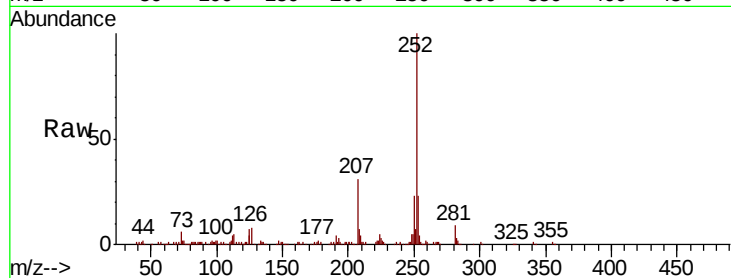




#88
Benzo(b)fluoranthene
Concen: 28.393 ng
RT: 22.94 min Scan# 3392
Delta R.T. -0.02 min
Lab File: BM020323.D
Acq: 13 May 2019 19:22

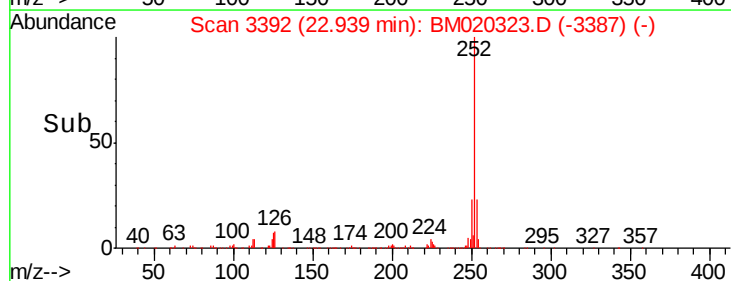
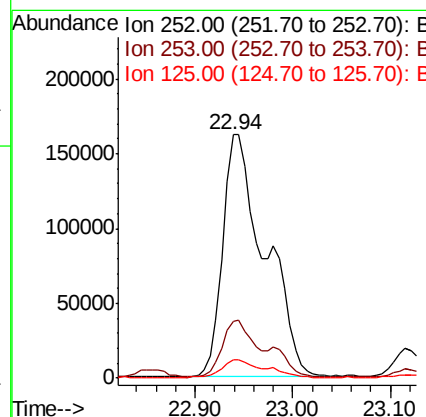
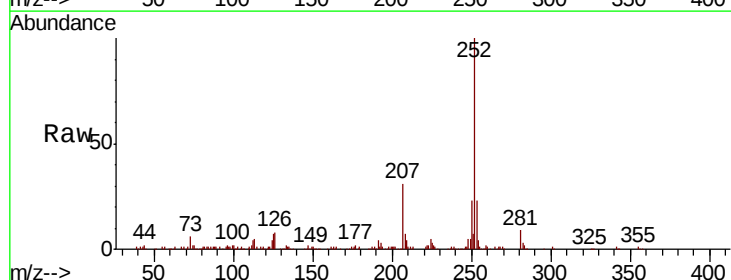
Instrument :
BNA_M
ClientSampleId :
RT-2683-RT-5156

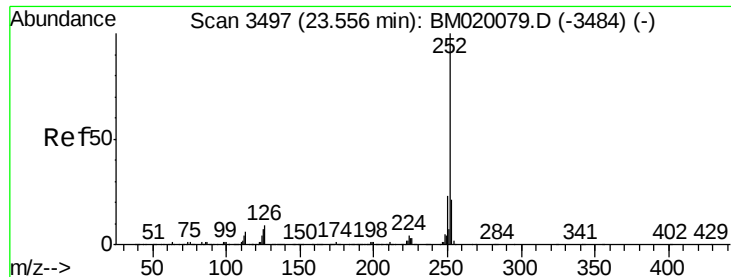
Tgt Ion:252 Resp: 488088
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 7.3 5.4 8.2



#89
Benzo(k)fluoranthene
Concen: 31.004 ng
RT: 22.94 min Scan# 3392
Delta R.T. -0.07 min
Lab File: BM020323.D
Acq: 13 May 2019 19:22

Tgt Ion:252 Resp: 486163
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 7.3 5.4 8.0





#90

Benzo(a)pyrene

Concen: 14.267 ng

RT: 23.53 min Scan# 3492

Delta R.T. -0.03 min

Lab File: BM020323.D

Acq: 13 May 2019 19:22

Instrument :

BNA_M

ClientSampleId :

RT-2683-RT-5156

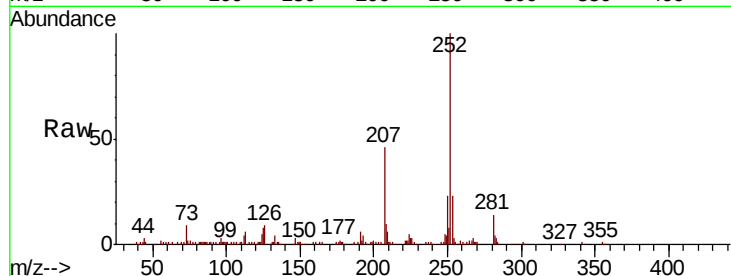
Tgt Ion:252 Resp: 222774

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

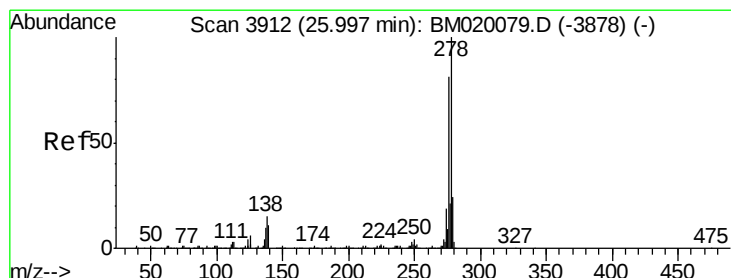
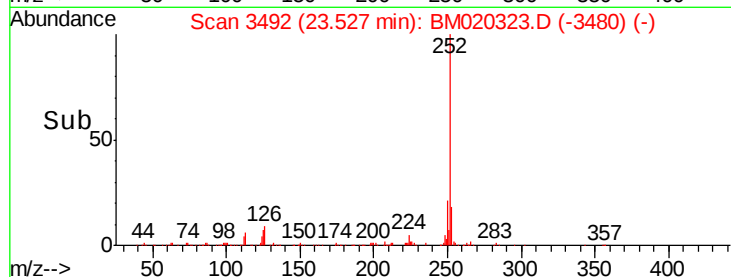
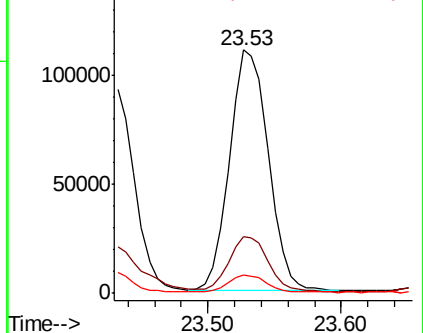
125 7.6 5.5 8.3



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



#91

Dibenzo(a,h)anthracene

Concen: 2.258 ng

RT: 25.95 min Scan# 3904

Delta R.T. -0.05 min

Lab File: BM020323.D

Acq: 13 May 2019 19:22

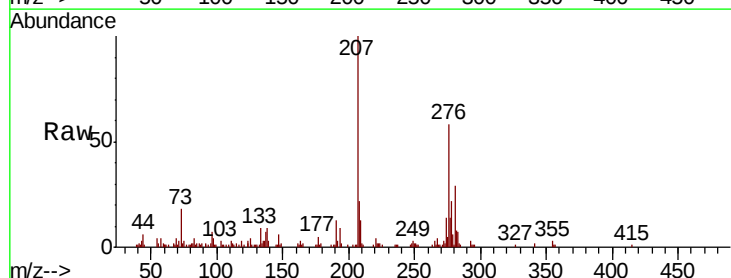
Tgt Ion:278 Resp: 36668

Ion Ratio Lower Upper

278 100

139 14.3 8.6 13.0#

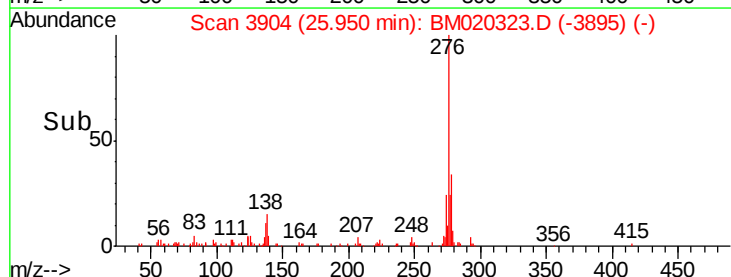
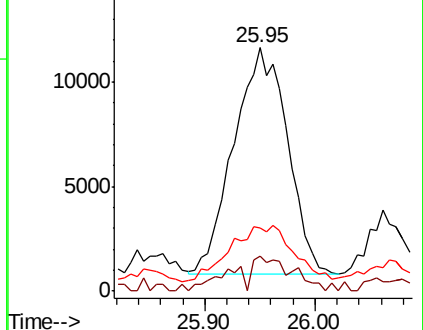
279 26.0 18.8 28.2

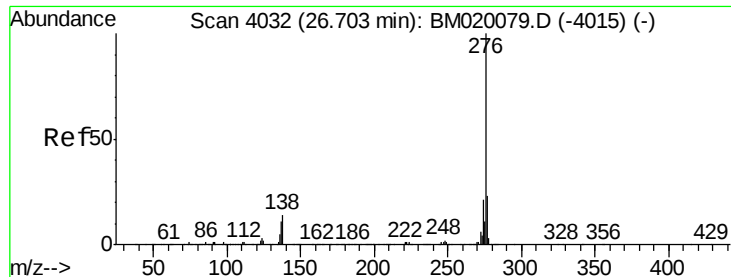


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 5.726 ng

RT: 26.66 min Scan# 4025

Delta R.T. -0.04 min

Lab File: BM020323.D

Acq: 13 May 2019 19:22

Instrument :

BNA_M

ClientSampleId :

RT-2683-RT-5156

Tgt Ion: 276 Resp: 88278

Ion Ratio Lower Upper

276 100

277 25.7 18.4 27.6

138 15.3 11.1 16.7

