

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050819\
 Data File : BM020201.D
 Acq On : 08 May 2019 18:57
 Operator : JU/SJ
 Sample : K2641-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-050719-A

Quant Time: May 09 02:08:07 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	7.79	152	156410	20.00	ng	0.00
21) Naphthalene-d8	10.57	136	561524	20.00	ng	-0.01
39) Acenaphthene-d10	14.43	164	334195	20.00	ng	0.00
64) Phenanthrene-d10	17.17	188	749208	20.00	ng	0.00
76) Chrysene-d12	21.36	240	732057	20.00	ng	0.00
87) Perylene-d12	23.66	264	858297	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	1222484	127.76	ng	0.00
7) Phenol-d6	6.95	99	1727099	132.12	ng	0.00
23) Nitrobenzene-d5	8.95	82	1212935	85.28	ng	0.00
42) 2,4,6-Tribromophenol	15.92	330	708613	136.60	ng	0.00
45) 2-Fluorobiphenyl	13.04	172	2136886	78.67	ng	-0.01
79) Terphenyl-d14	19.80	244	2968397	70.73	ng	0.00

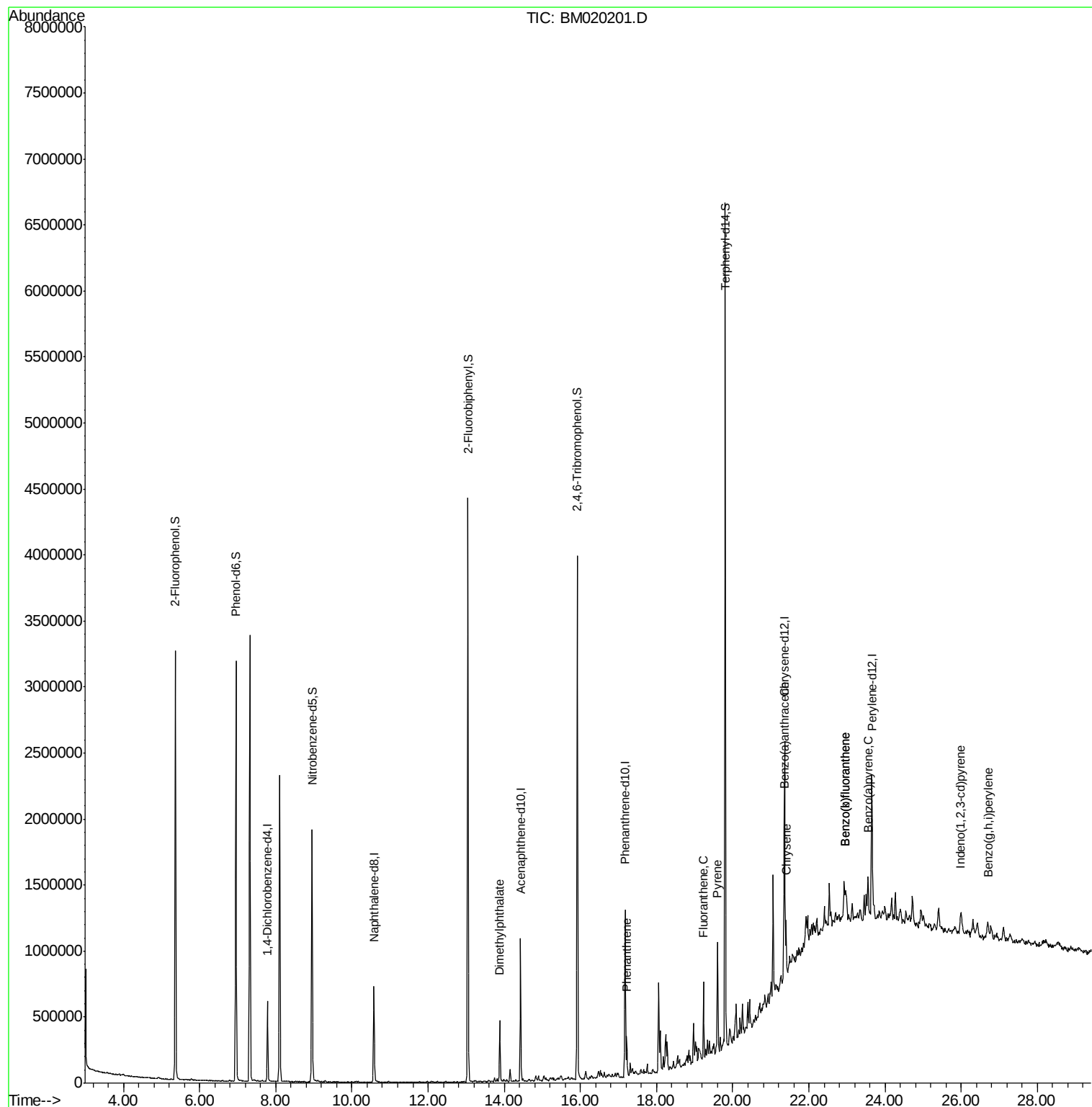
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	13.89	163	265640	9.352	ng	98
71) Phenanthrene	17.22	178	176744	4.274	ng	98
75) Fluoranthene	19.23	202	297677	5.689	ng	97
78) Pyrene	19.60	202	469297	9.548	ng	98
81) Benzo(a)anthracene	21.34	228	216586	4.219	ng	# 86
83) Chrysene	21.40	228	237089	4.762	ng	# 92
86) Indeno(1,2,3-cd)pyrene	25.98	276	128220	2.165	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	269848	4.761	ng	# 85
89) Benzo(k)fluoranthene	22.96	252	268546	5.194	ng	# 86
90) Benzo(a)pyrene	23.55	252	184205	3.578	ng	# 88
92) Benzo(g,h,i)perylene	26.70	276	143607	2.825	ng	97

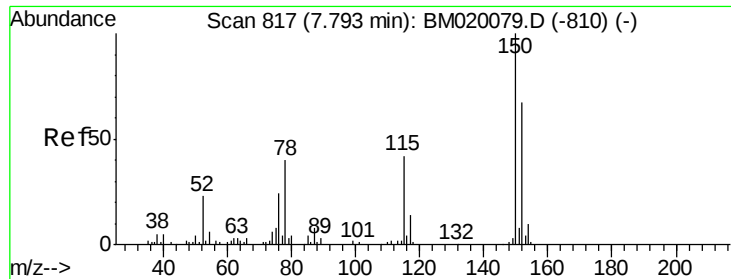
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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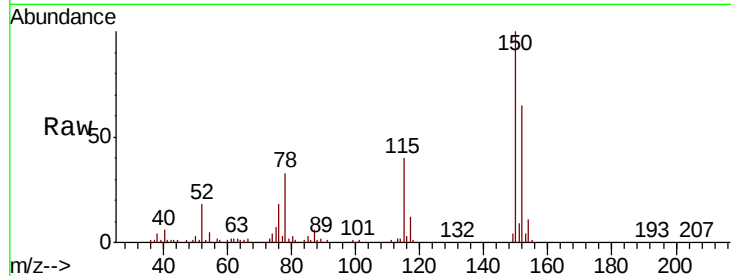


#1

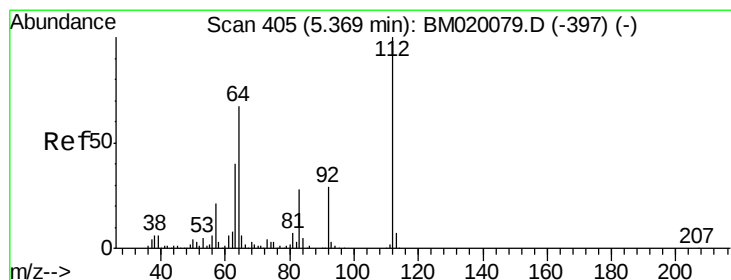
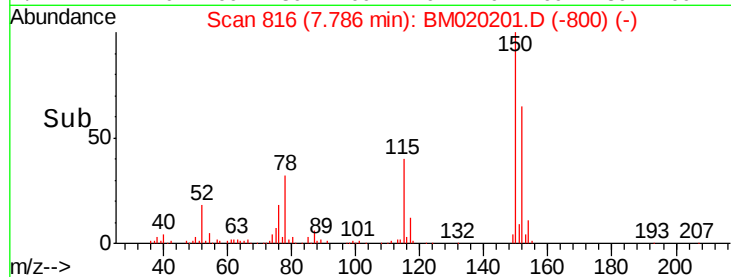
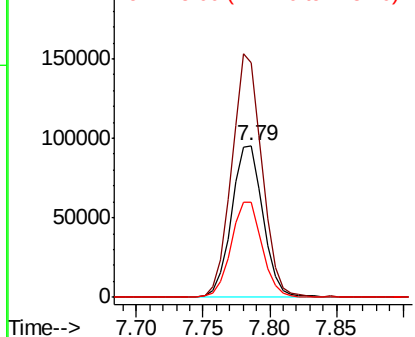
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 816
Delta R.T. -0.01 min
Lab File: BM020201.D
Acq: 08 May 2019 18:57

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-A

Tgt Ion:152 Resp: 156410
Ion Ratio Lower Upper
152 100
150 154.5 119.8 179.8
115 62.4 50.8 76.2



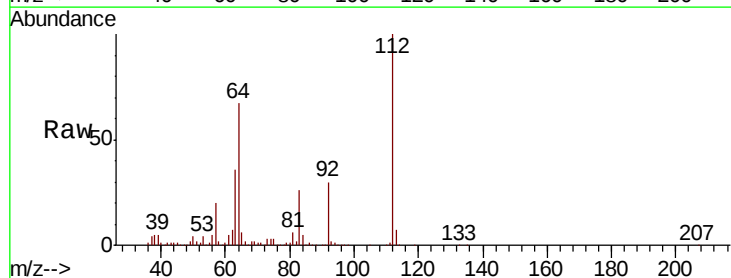
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



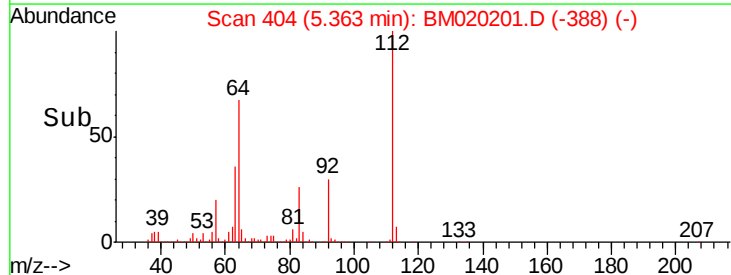
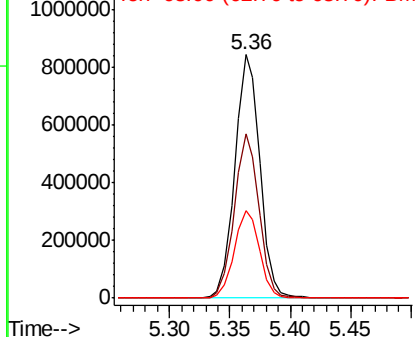
#5

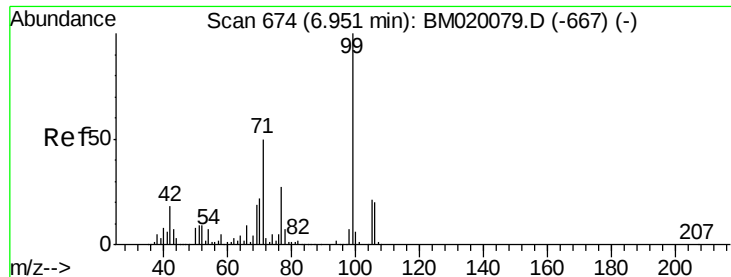
2-Fluorophenol
Concen: 127.758 ng
RT: 5.36 min Scan# 404
Delta R.T. -0.01 min
Lab File: BM020201.D
Acq: 08 May 2019 18:57

Tgt Ion:112 Resp: 1222484
Ion Ratio Lower Upper
112 100
64 67.3 53.8 80.6
63 35.9 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: 132.119 ng

RT: 6.95 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM020201.D

Acq: 08 May 2019 18:57

Instrument :

BNA_M

ClientSampleId :

CL-02-050719-A

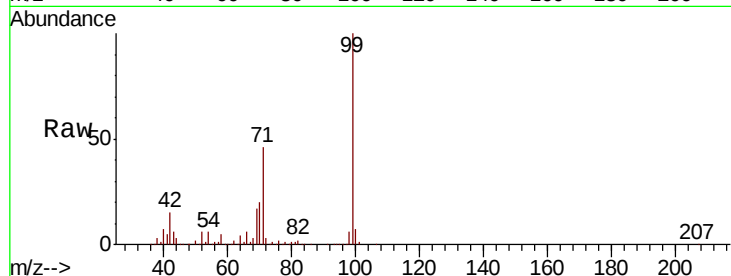
Tgt Ion: 99 Resp: 1727099

Ion Ratio Lower Upper

99 100

42 15.0 14.2 21.2

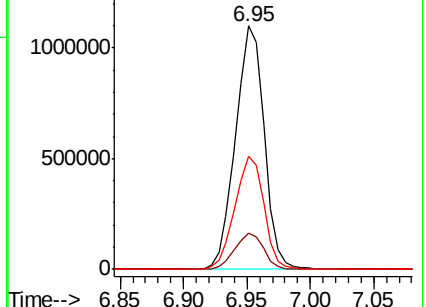
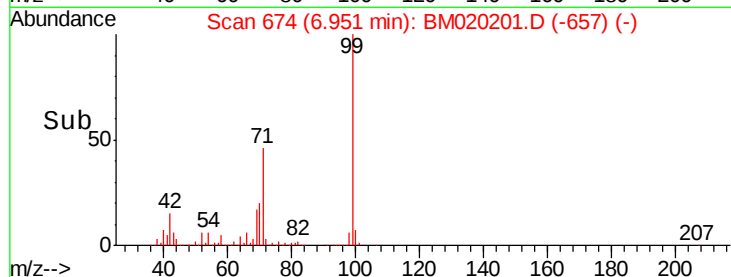
71 46.4 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020201.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM020201.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM020201.D (-657) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.57 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BM020201.D

Acq: 08 May 2019 18:57

Tgt Ion: 136 Resp: 561524

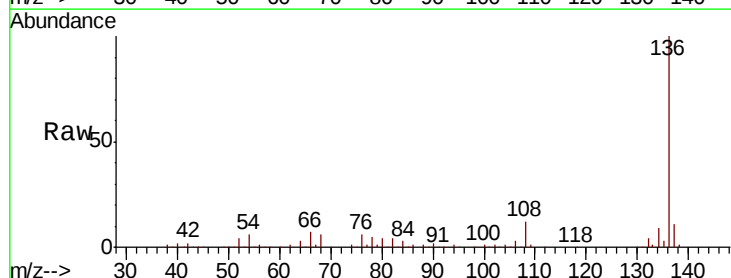
Ion Ratio Lower Upper

136 100

137 10.7 9.6 14.4

54 6.2 5.5 8.3

68 6.3 4.6 6.8

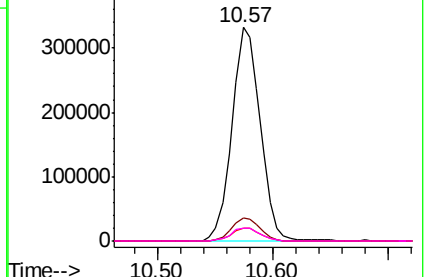
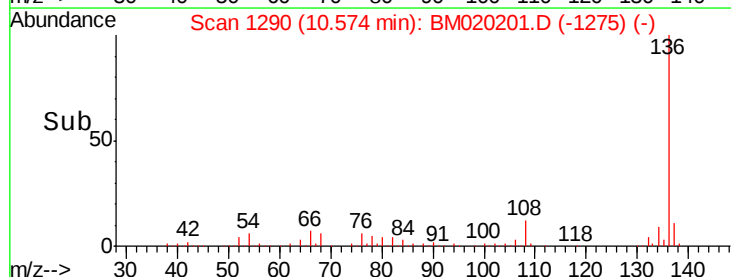


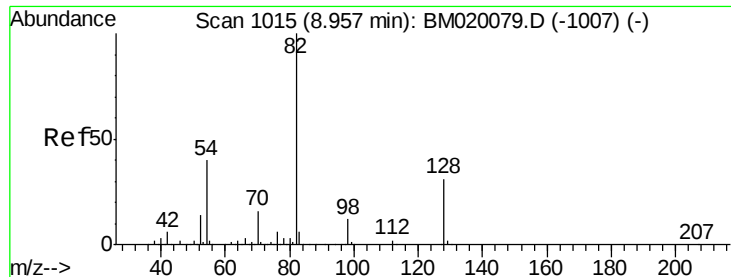
Abundance Ion 136.00 (135.70 to 136.70): BM020201.D (-1275) (-)

Ion 137.00 (136.70 to 137.70): BM020201.D (-1275) (-)

Ion 54.00 (53.70 to 54.70): BM020201.D (-1275) (-)

Ion 68.00 (67.70 to 68.70): BM020201.D (-1275) (-)

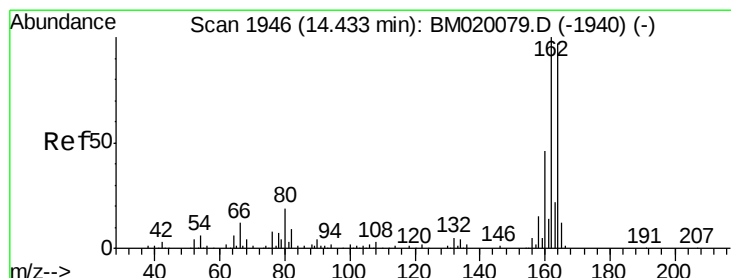
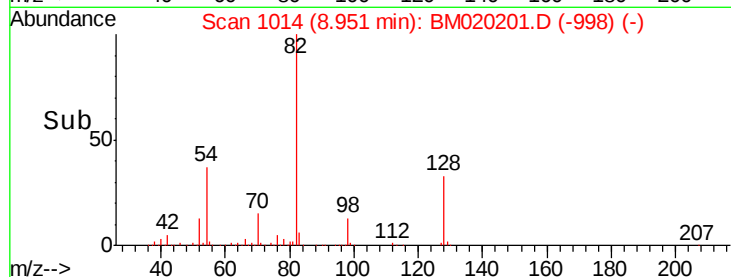
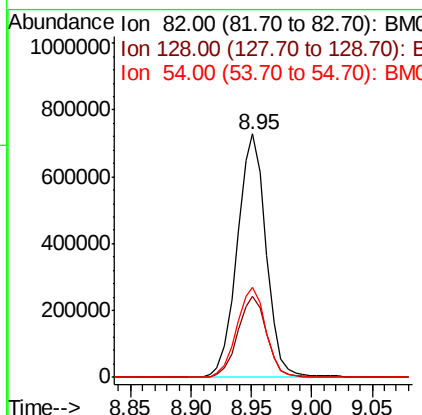
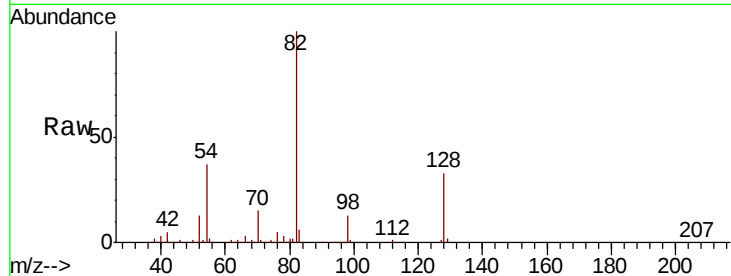




#23
 Nitrobenzene-d5
 Concen: 85.280 ng
 RT: 8.95 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BM020201.D
 Acq: 08 May 2019 18:57

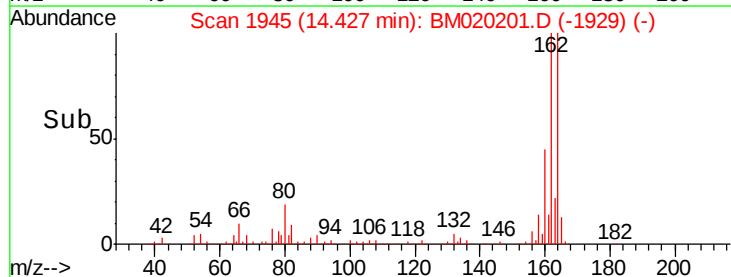
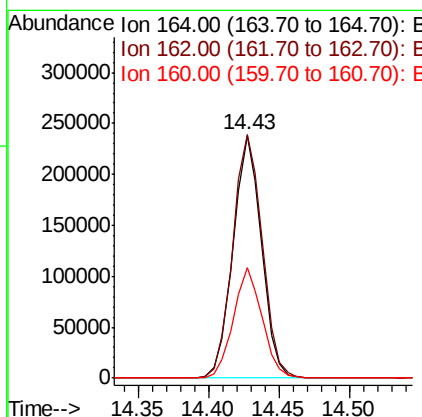
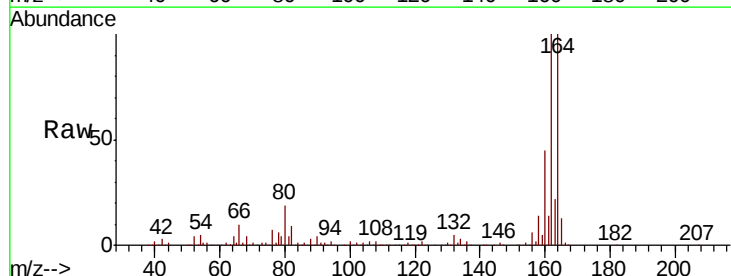
Instrument :
 BNA_M
 ClientSampleId :
 CL-02-050719-A

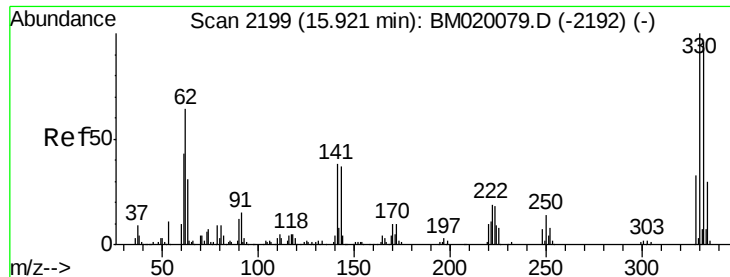
Tgt Ion: 82 Resp: 1212935
 Ion Ratio Lower Upper
 82 100
 128 33.3 25.2 37.8
 54 37.1 31.9 47.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.43 min Scan# 1945
 Delta R.T. -0.01 min
 Lab File: BM020201.D
 Acq: 08 May 2019 18:57

Tgt Ion: 164 Resp: 334195
 Ion Ratio Lower Upper
 164 100
 162 100.4 82.2 123.2
 160 45.4 37.6 56.4

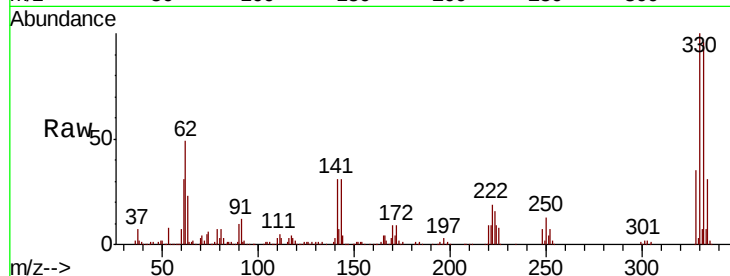




#42
 2,4,6-Tribromophenol
 Concen: 136.604 ng
 RT: 15.92 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: BM020201.D
 Acq: 08 May 2019 18:57

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-050719-A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.8	115.2
141	32.5	29.2	43.8

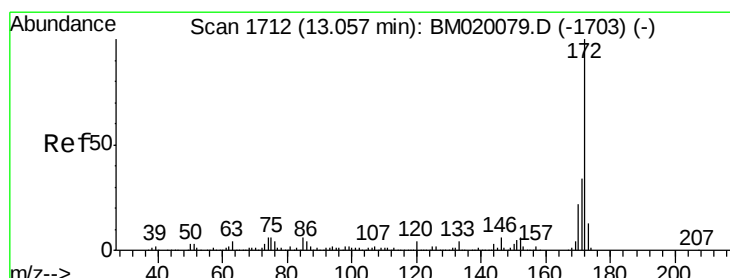
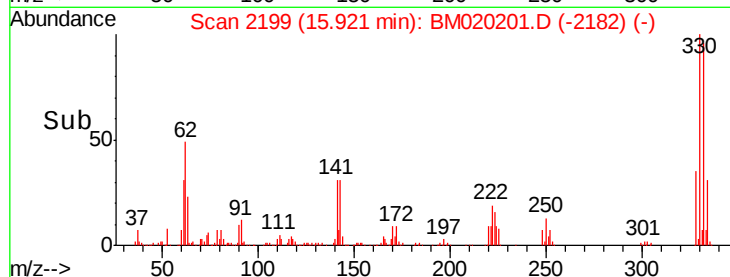
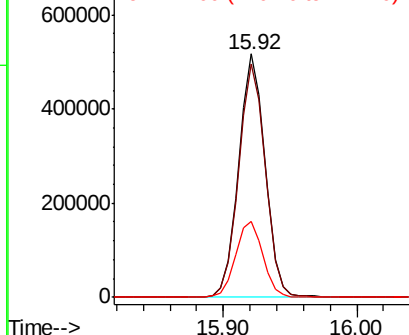


Abundance

Ion 329.80 (329.50 to 330.50): E

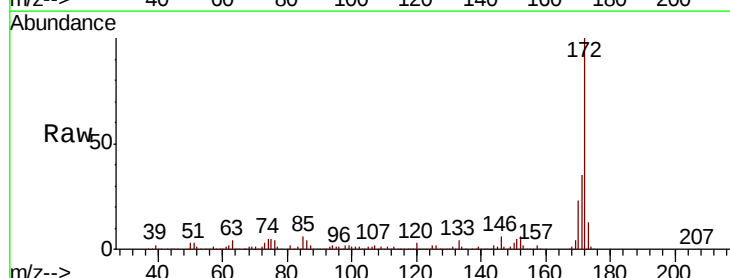
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 78.671 ng
 RT: 13.04 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BM020201.D
 Acq: 08 May 2019 18:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.3	40.9
170	23.2	17.9	26.9

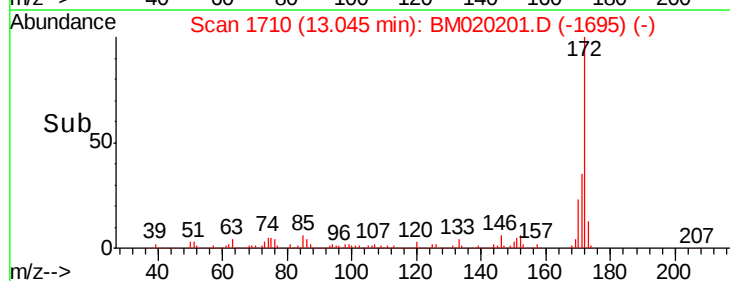
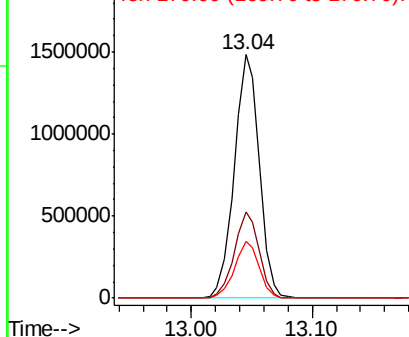


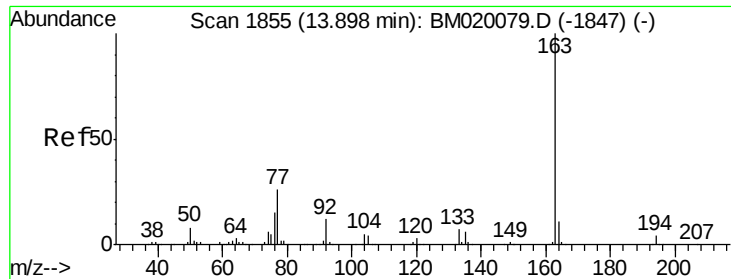
Abundance

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: 9.352 ng

RT: 13.89 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BM020201.D

Acq: 08 May 2019 18:57

Instrument :

BNA_M

ClientSampleId :

CL-02-050719-A

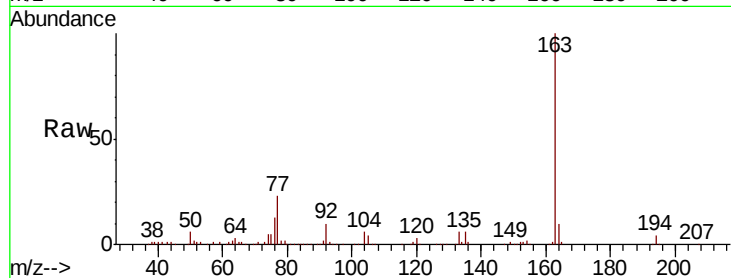
Tgt Ion:163 Resp: 265640

Ion Ratio Lower Upper

163 100

194 4.3 3.6 5.4

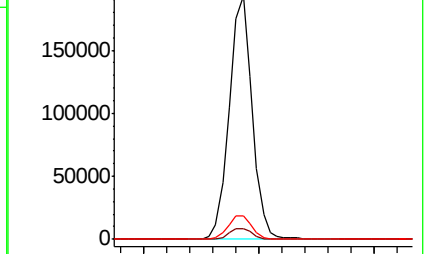
164 9.6 8.4 12.6



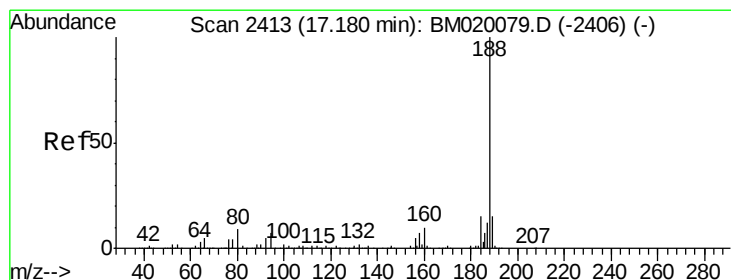
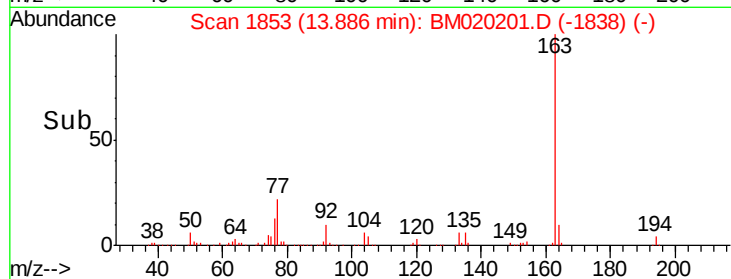
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.17 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BM020201.D

Acq: 08 May 2019 18:57

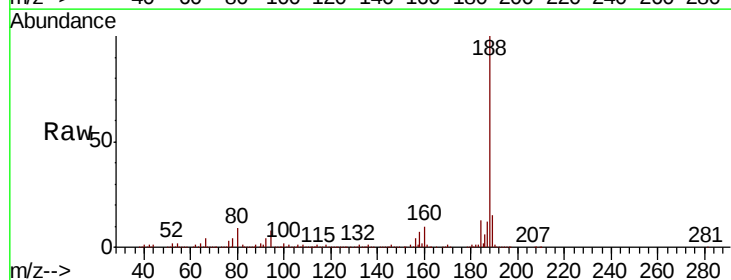
Tgt Ion:188 Resp: 749208

Ion Ratio Lower Upper

188 100

94 8.3 5.8 8.6

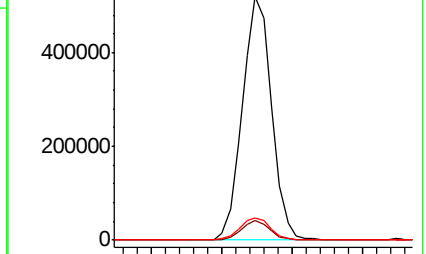
80 9.3 7.4 11.2



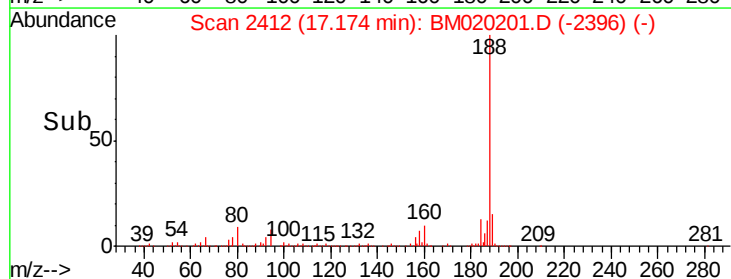
Abundance Ion 188.00 (187.70 to 188.70): E

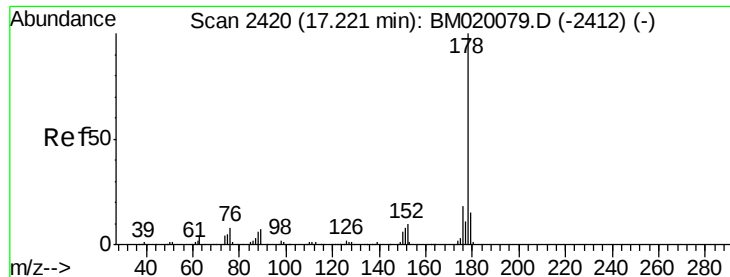
Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



Time-->

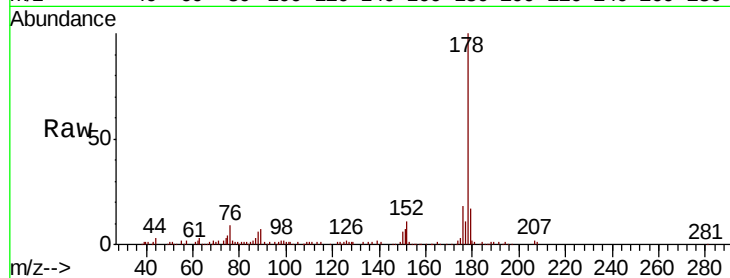




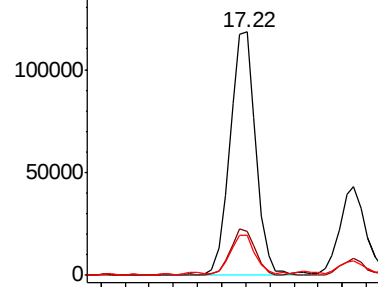
#71
Phenanthrene
Concen: 4.274 ng
RT: 17.22 min Scan# 2420
Delta R.T. -0.00 min
Lab File: BM020201.D
Acq: 08 May 2019 18:57

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-A

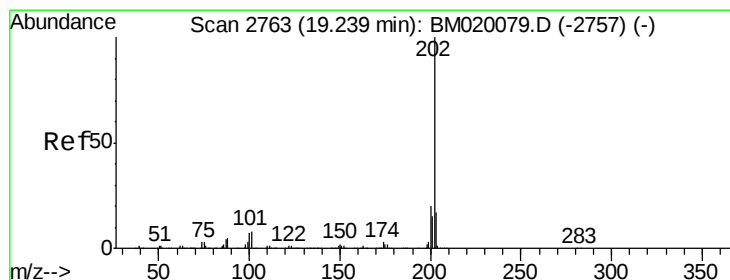
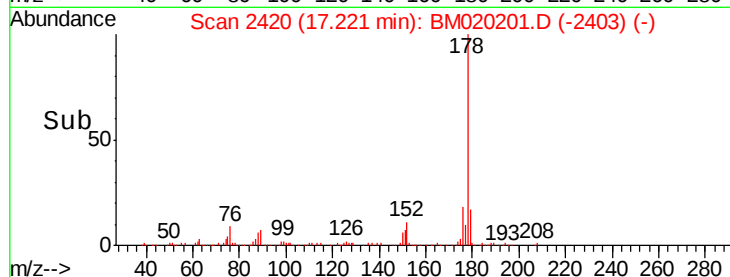
Tgt Ion:178 Resp: 176744
Ion Ratio Lower Upper
178 100
176 17.8 14.6 21.8
179 16.6 12.4 18.6



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

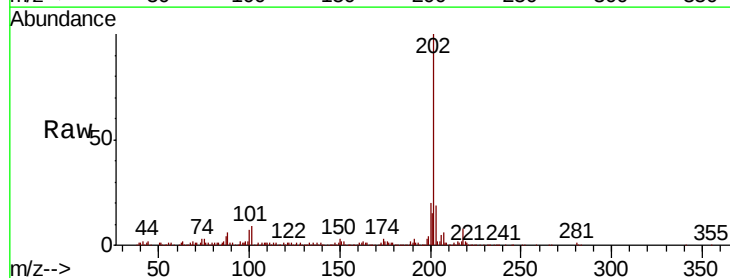


Time--> 17.10 17.20 17.30

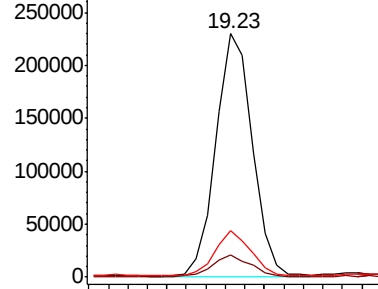


#75
Fluoranthene
Concen: 5.689 ng
RT: 19.23 min Scan# 2762
Delta R.T. -0.01 min
Lab File: BM020201.D
Acq: 08 May 2019 18:57

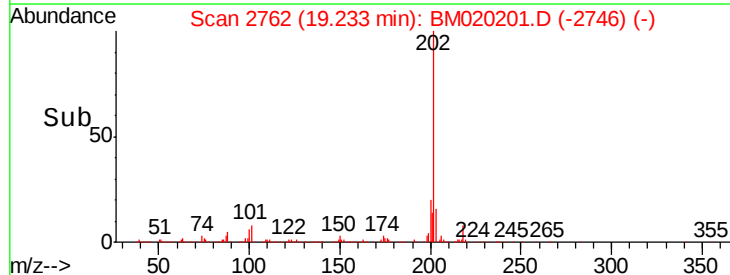
Tgt Ion:202 Resp: 297677
Ion Ratio Lower Upper
202 100
101 9.0 0.0 28.4
203 18.9 0.0 37.4

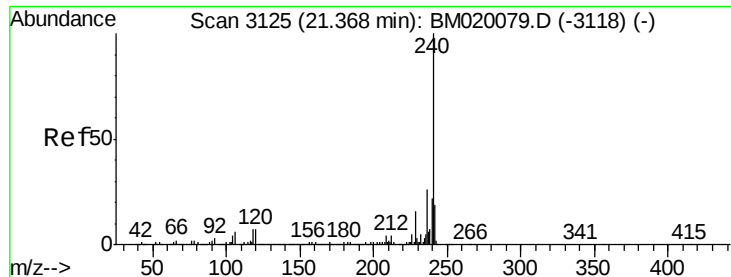


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 19.20 19.25

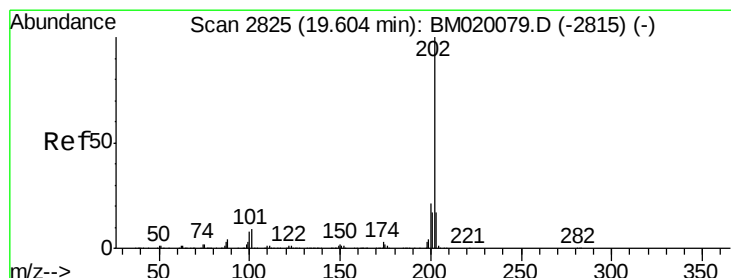
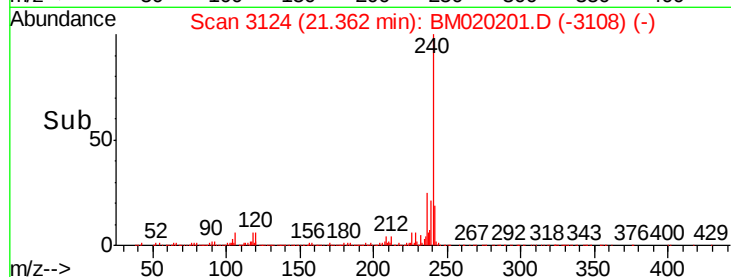
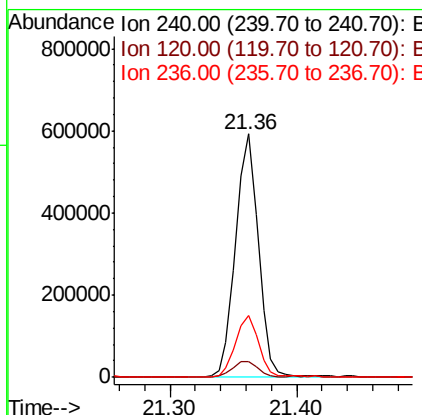
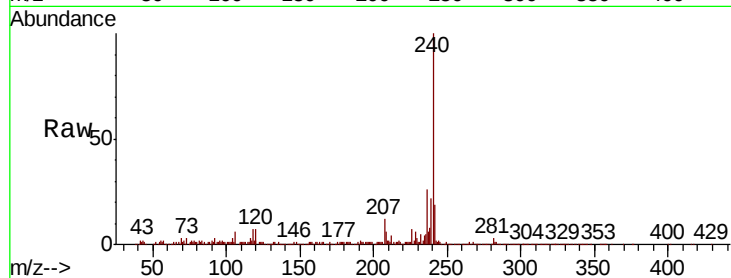




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.36 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BM020201.D
Acq: 08 May 2019 18:57

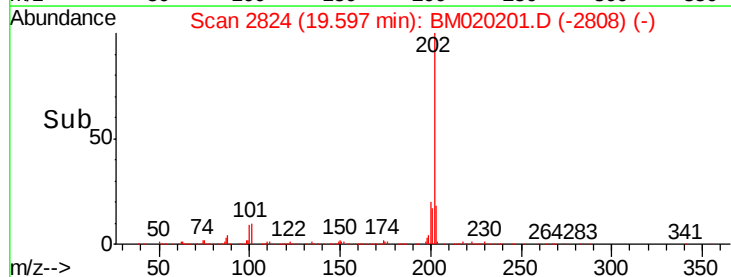
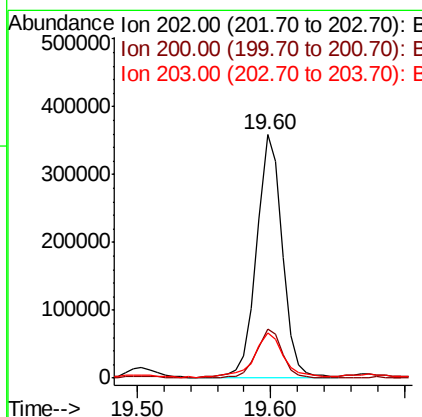
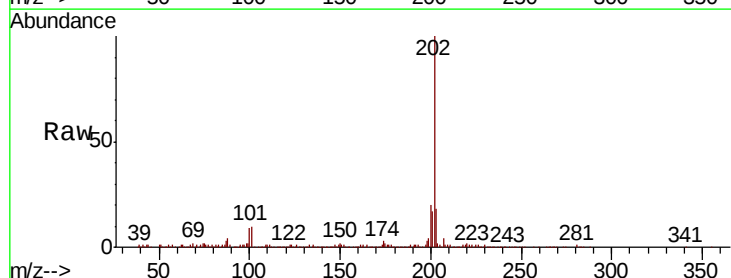
Instrument :
BNA_M
ClientSampleId :
CL-02-050719-A

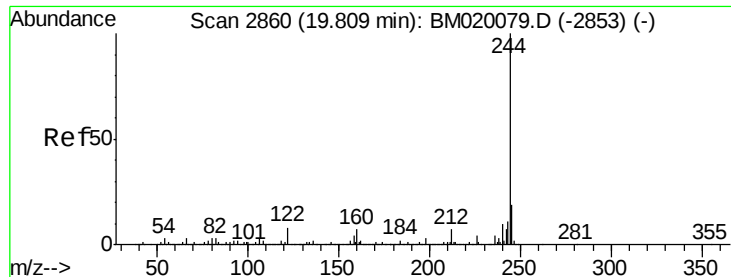
Tgt Ion:240 Resp: 732057
Ion Ratio Lower Upper
240 100
120 6.6 5.6 8.4
236 25.6 20.9 31.3



#78
Pyrene
Concen: 9.548 ng
RT: 19.60 min Scan# 2824
Delta R.T. -0.01 min
Lab File: BM020201.D
Acq: 08 May 2019 18:57

Tgt Ion:202 Resp: 469297
Ion Ratio Lower Upper
202 100
200 20.0 16.5 24.7
203 18.4 13.9 20.9





#79

Terphenyl-d14

Concen: 70.726 ng

RT: 19.80 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BM020201.D

Acq: 08 May 2019 18:57

Instrument :

BNA_M

ClientSampleId :

CL-02-050719-A

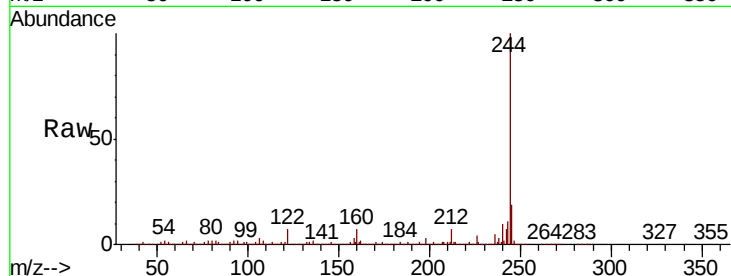
Tgt Ion:244 Resp: 2968397

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

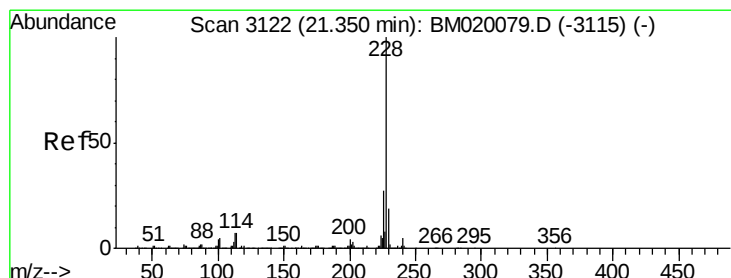
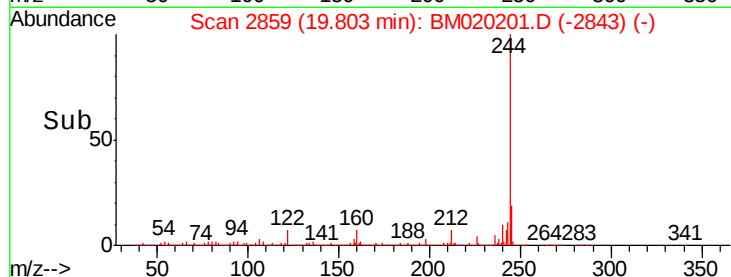
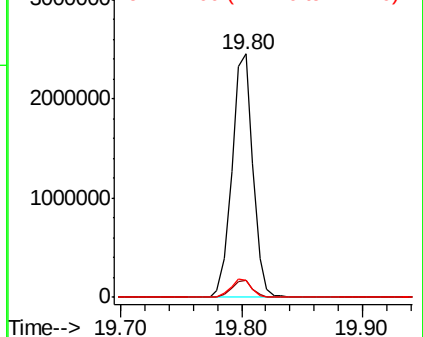
122 7.2 6.2 9.2



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



#81

Benzo(a)anthracene

Concen: 4.219 ng

RT: 21.34 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BM020201.D

Acq: 08 May 2019 18:57

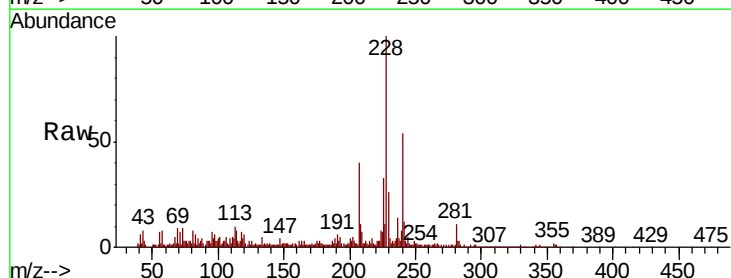
Tgt Ion:228 Resp: 216586

Ion Ratio Lower Upper

228 100

226 33.5 21.3 31.9#

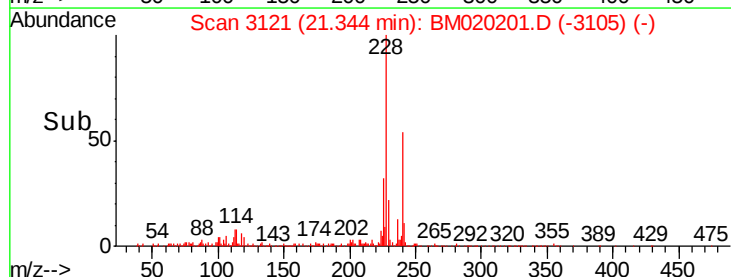
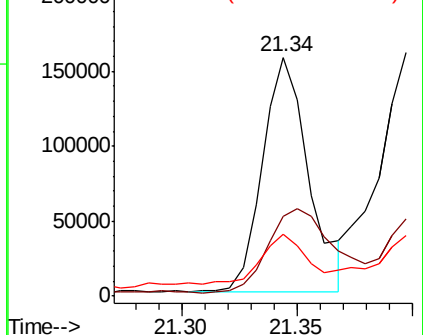
229 26.0 15.5 23.3#

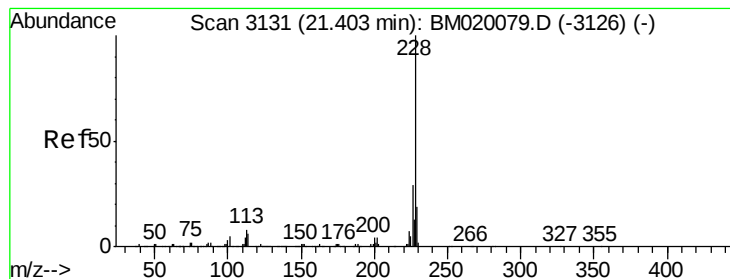


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.762 ng

RT: 21.40 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BM020201.D

Acq: 08 May 2019 18:57

Instrument :

BNA_M

ClientSampleId :

CL-02-050719-A

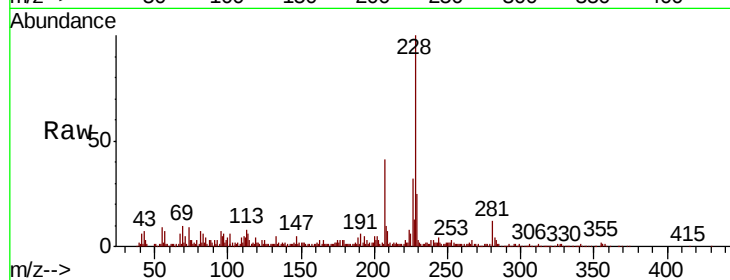
Tgt Ion: 228 Resp: 237089

Ion Ratio Lower Upper

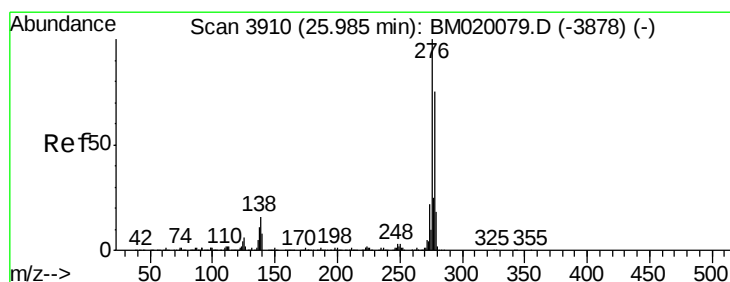
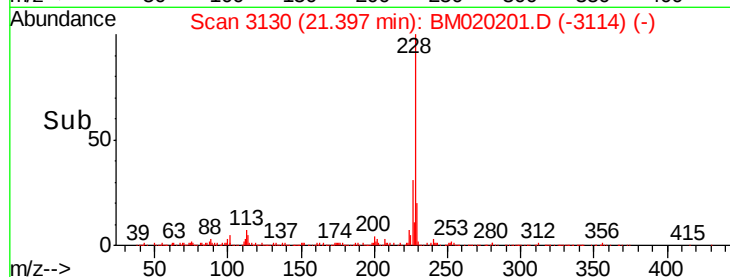
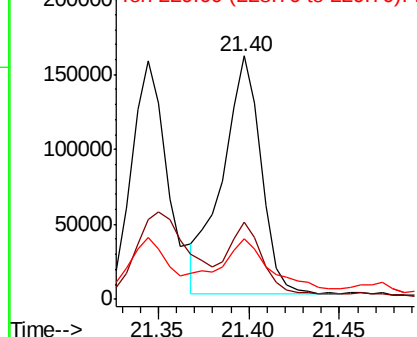
228 100

226 31.8 23.0 34.6

229 25.0 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: 2.165 ng

RT: 25.98 min Scan# 3909

Delta R.T. -0.01 min

Lab File: BM020201.D

Acq: 08 May 2019 18:57

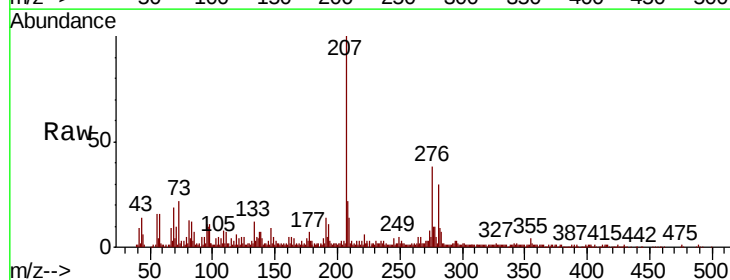
Tgt Ion: 276 Resp: 128220

Ion Ratio Lower Upper

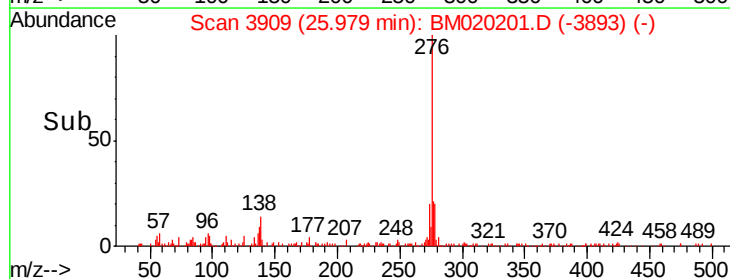
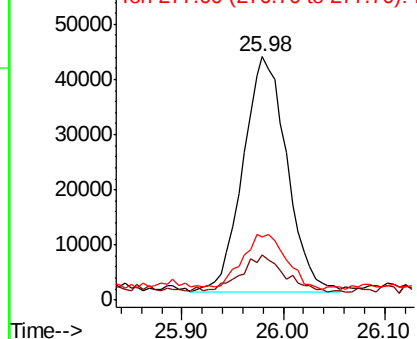
276 100

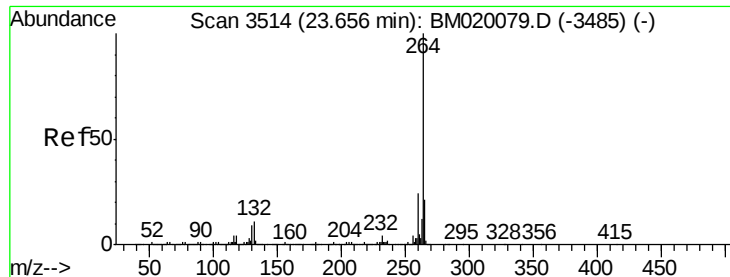
138 14.6 0.0 0.0#

277 22.9 0.0 0.0#



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



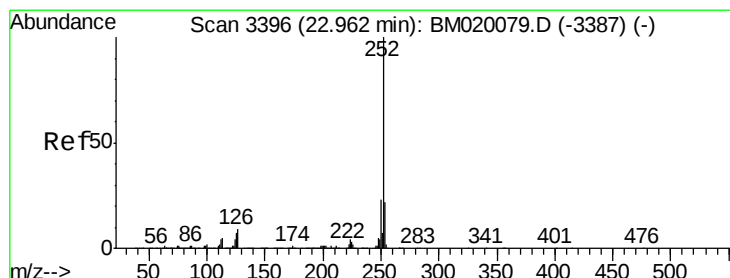
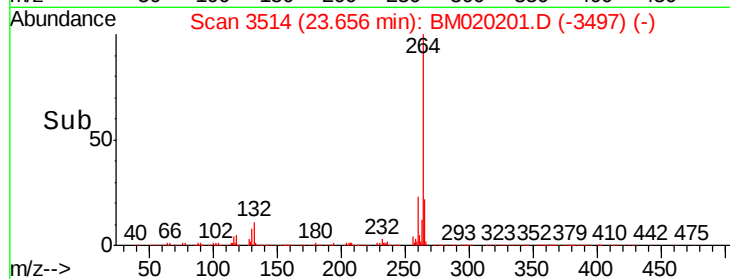
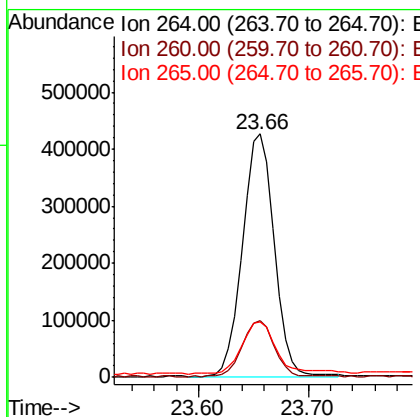
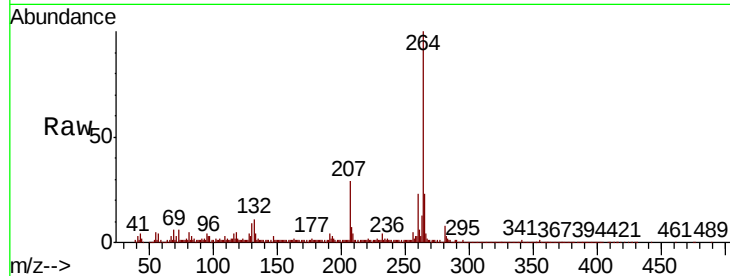


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.66 min Scan# 3514
Delta R.T. -0.00 min
Lab File: BM020201.D
Acq: 08 May 2019 18:57

Instrument :
BNA_M
ClientSampleId :
CL-02-050719-A

Tgt Ion:264 Resp: 858297

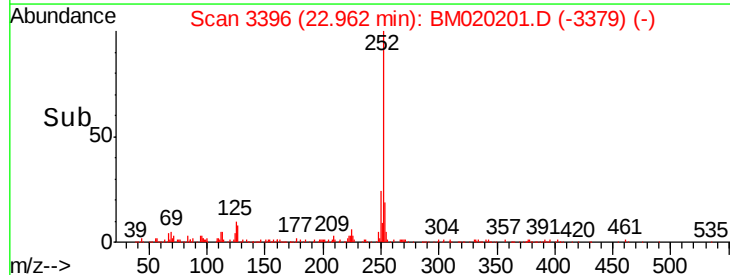
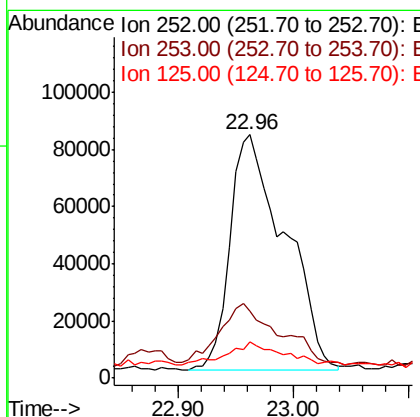
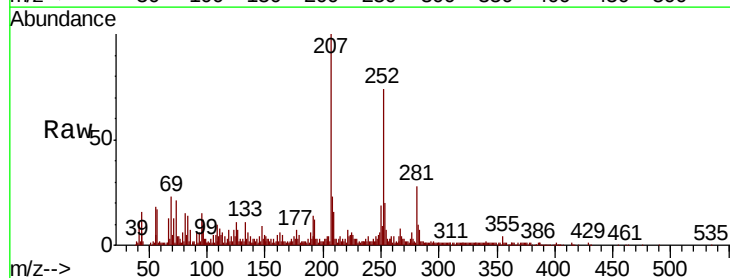
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	23.0	16.9	25.3

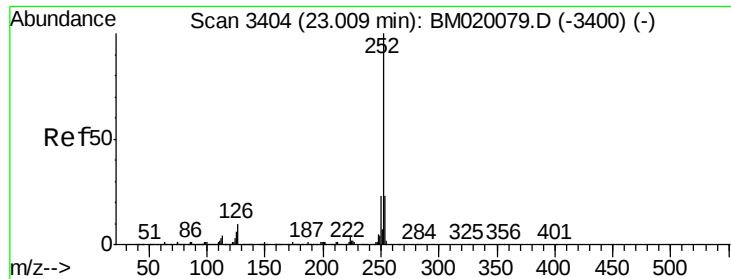


#88
Benzo(b)fluoranthene
Concen: 4.761 ng
RT: 22.96 min Scan# 3396
Delta R.T. -0.00 min
Lab File: BM020201.D
Acq: 08 May 2019 18:57

Tgt Ion:252 Resp: 269848

Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.5	26.3#
125	14.8	5.4	8.2#





#89

Benzo(k)fluoranthene

Concen: 5.194 ng

RT: 22.96 min Scan# 3396

Delta R.T. -0.05 min

Lab File: BM020201.D

Acq: 08 May 2019 18:57

Instrument :

BNA_M

ClientSampleId :

CL-02-050719-A

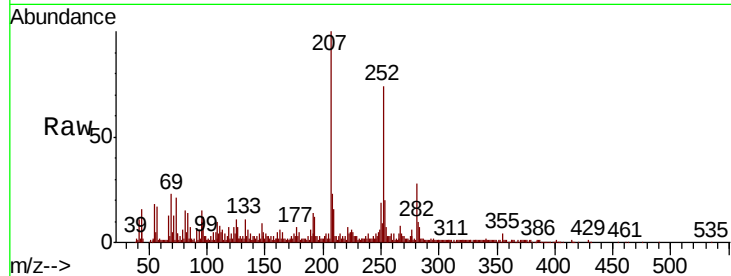
Tgt Ion:252 Resp: 268546

Ion Ratio Lower Upper

252 100

253 27.6 17.8 26.8#

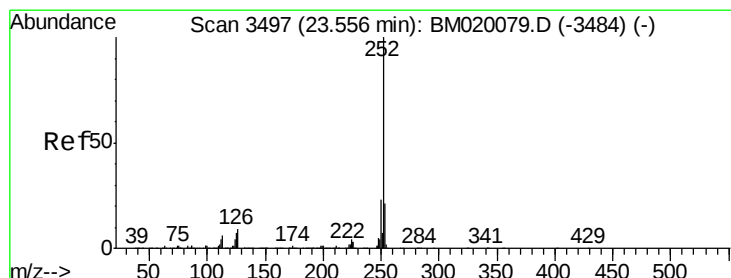
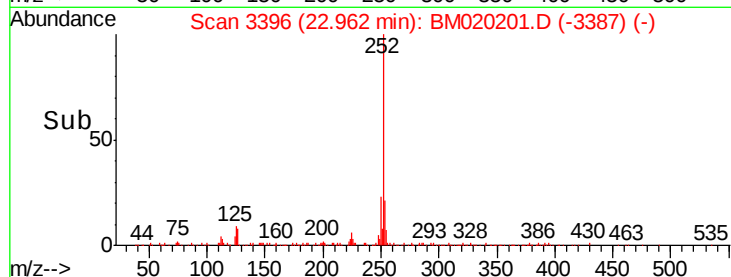
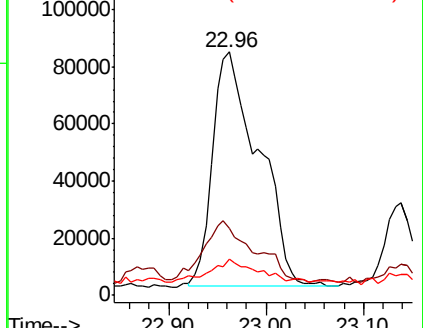
125 14.8 5.4 8.0#



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



#90

Benzo(a)pyrene

Concen: 3.578 ng

RT: 23.55 min Scan# 3496

Delta R.T. -0.01 min

Lab File: BM020201.D

Acq: 08 May 2019 18:57

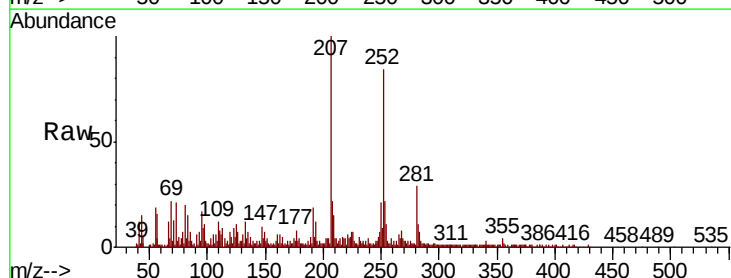
Tgt Ion:252 Resp: 184205

Ion Ratio Lower Upper

252 100

253 26.3 17.0 25.6#

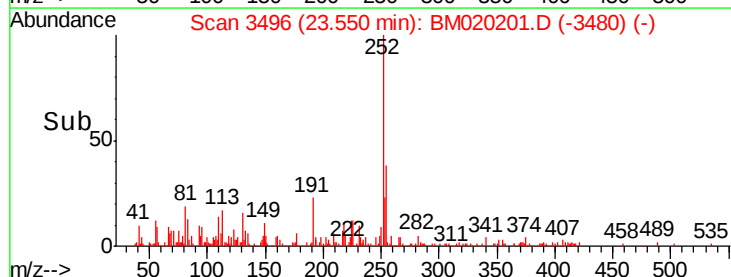
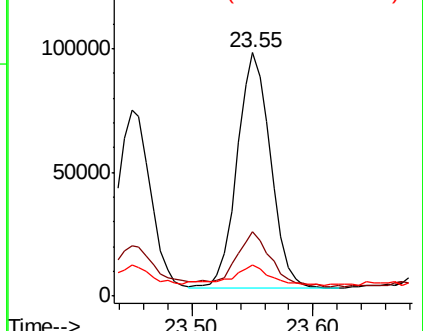
125 12.7 5.5 8.3#

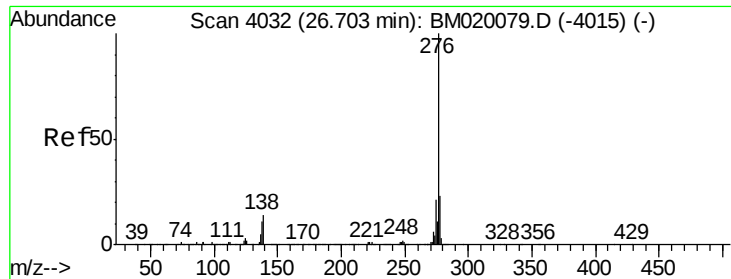


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(g,h,i)perylene
 Concen: 2.825 ng
 RT: 26.70 min Scan# 4032
 Delta R.T. -0.00 min
 Lab File: BM020201.D
 Acq: 08 May 2019 18:57

Instrument :
 BNA_M
 ClientSampleId :
 CL-02-050719-A

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.4	27.6
138	14.5	11.1	16.7

