

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050819\
 Data File : BM020205.D
 Acq On : 08 May 2019 21:23
 Operator : JU/SJ
 Sample : K2641-03 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: May 09 02:08:53 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	159092	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	573433	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	336740	20.00	ng	0.00
64) Phenanthrene-d10	17.18	188	776437	20.00	ng	0.00
76) Chrysene-d12	21.37	240	820518	20.00	ng	0.00
87) Perylene-d12	23.66	264	965865	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	522077	53.64	ng	0.00
7) Phenol-d6	6.95	99	707074	53.18	ng	0.00
23) Nitrobenzene-d5	8.95	82	494536	34.05	ng	0.00
42) 2,4,6-Tribromophenol	15.92	330	287558	55.02	ng	0.00
45) 2-Fluorobiphenyl	13.04	172	865753	31.63	ng	-0.01
79) Terphenyl-d14	19.80	244	1298109	27.59	ng	0.00

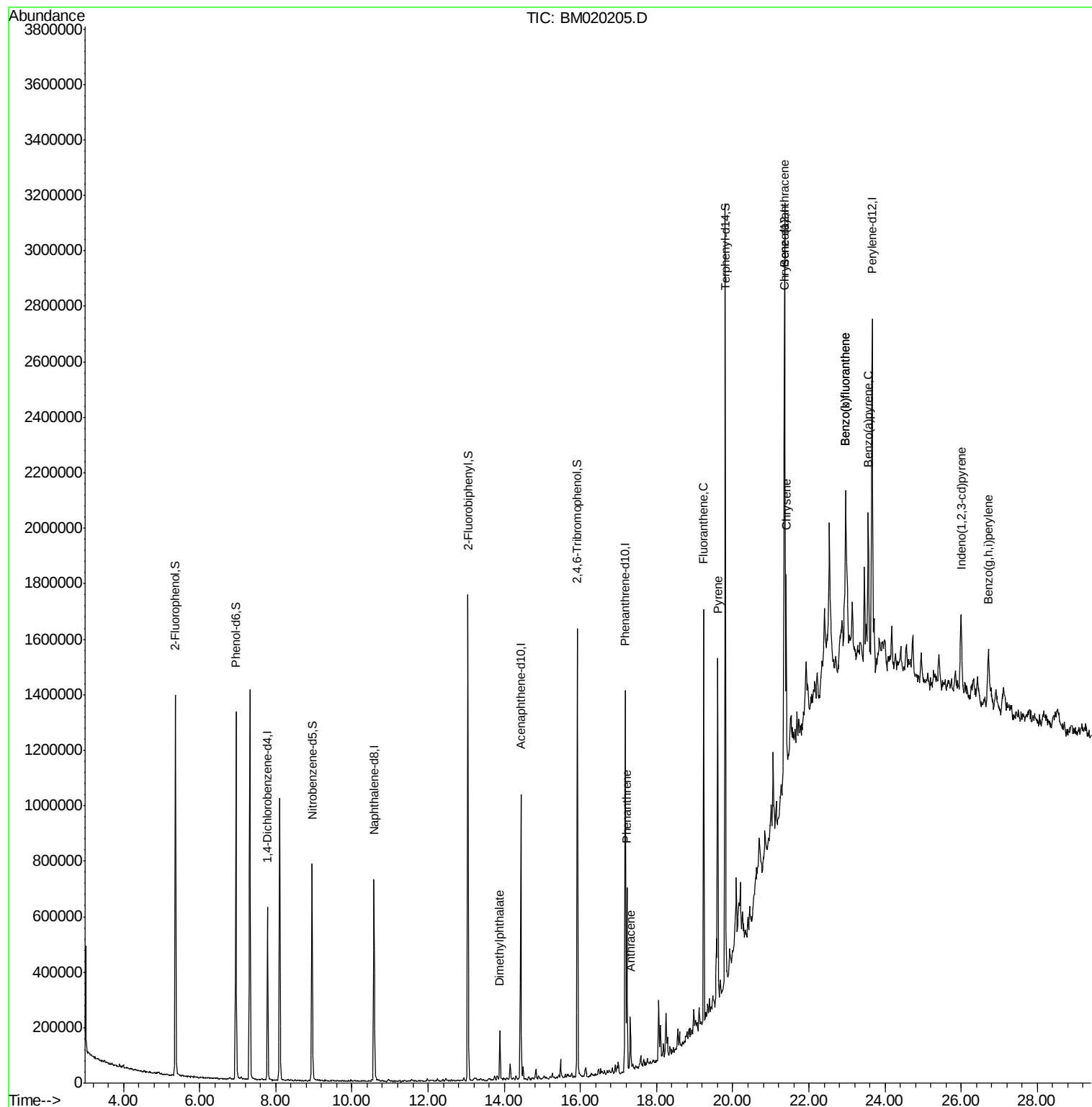
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	13.89	163	91759	3.206	ng	98
71) Phenanthrene	17.22	178	364941	8.515	ng	99
72) Anthracene	17.31	178	114711	2.677	ng	99
75) Fluoranthene	19.24	202	852911	15.728	ng	99
78) Pyrene	19.60	202	742862	13.485	ng	99
81) Benzo(a)anthracene	21.35	228	458703	7.972	ng	96
83) Chrysene	21.40	228	375116	6.722	ng	96
86) Indeno(1,2,3-cd)pyrene	25.99	276	276117	4.160	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	569350	8.927	ng	# 93
89) Benzo(k)fluoranthene	22.96	252	557669	9.585	ng	# 93
90) Benzo(a)pyrene	23.56	252	404653	6.985	ng	# 93
92) Benzo(g,h,i)perylene	26.71	276	263027	4.598	ng	93

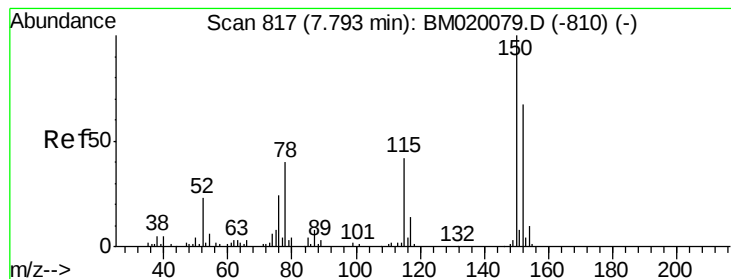
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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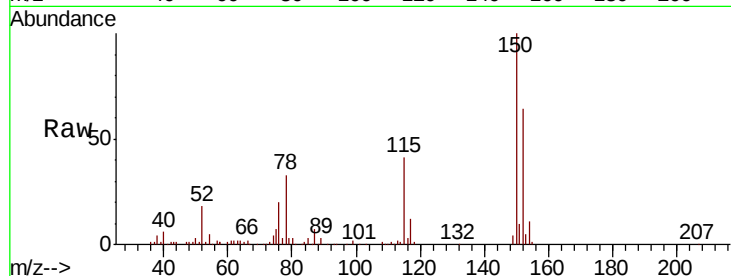


#1

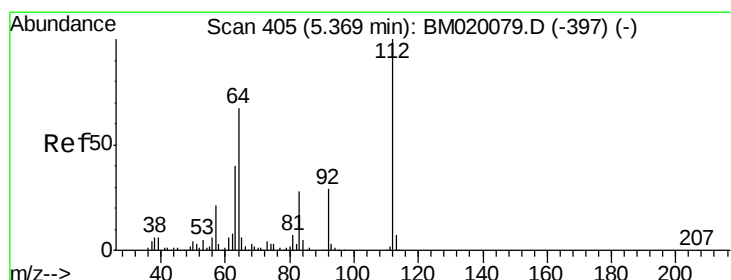
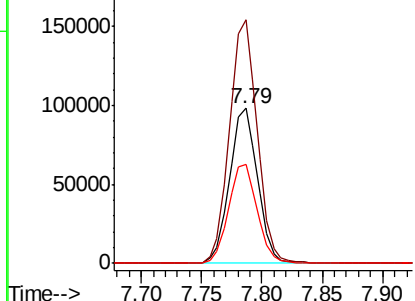
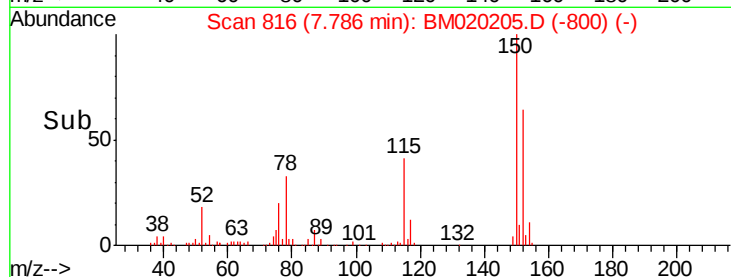
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 816
Delta R.T. -0.01 min
Lab File: BM020205.D
Acq: 08 May 2019 21:23

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

Tgt Ion:152 Resp: 159092
Ion Ratio Lower Upper
152 100
150 156.9 119.8 179.8
115 63.6 50.8 76.2



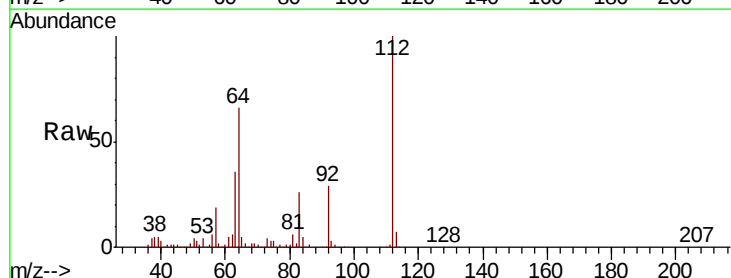
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



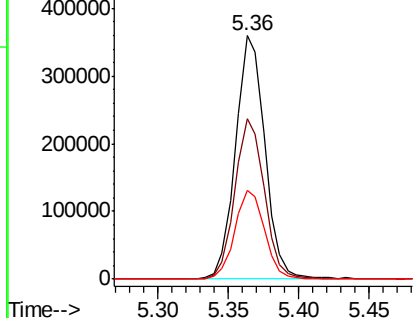
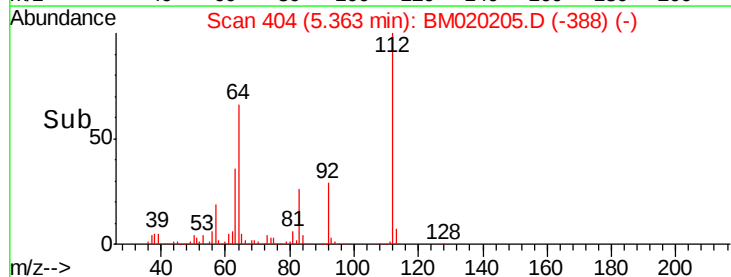
#5

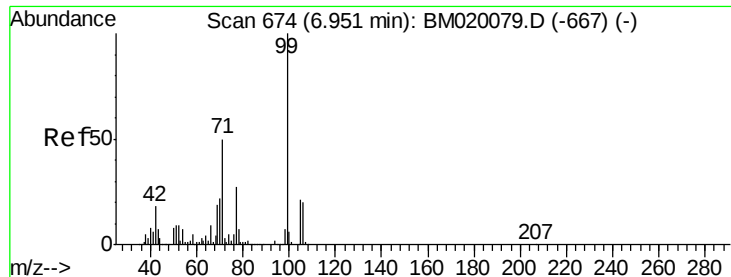
2-Fluorophenol
Concen: 53.641 ng
RT: 5.36 min Scan# 404
Delta R.T. -0.01 min
Lab File: BM020205.D
Acq: 08 May 2019 21:23

Tgt Ion:112 Resp: 522077
Ion Ratio Lower Upper
112 100
64 65.7 53.8 80.6
63 36.3 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: 53.178 ng

RT: 6.95 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM020205.D

Acq: 08 May 2019 21:23

Instrument :

BNA_M

ClientSampleId :

CL-02-050719-B

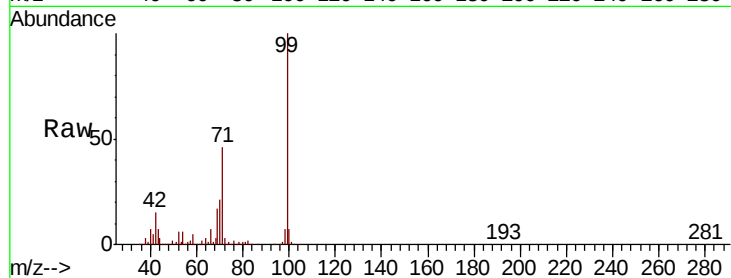
Tgt Ion: 99 Resp: 707074

Ion Ratio Lower Upper

99 100

42 15.2 14.2 21.2

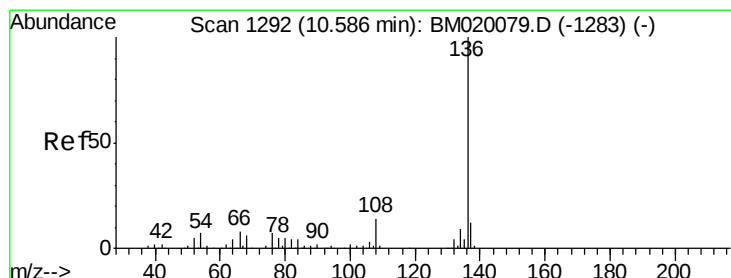
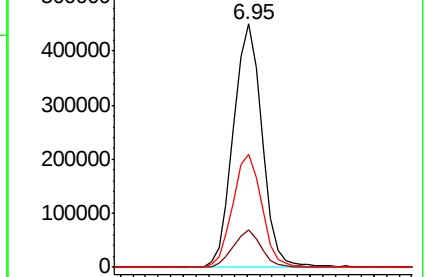
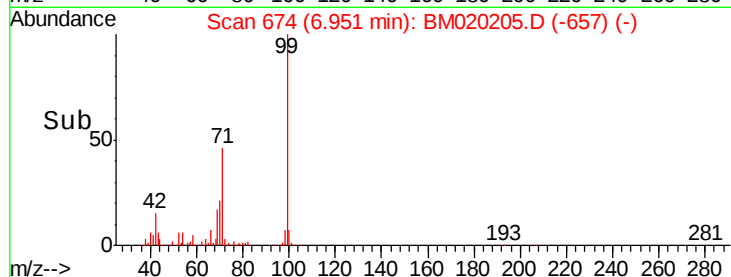
71 46.4 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020205.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM020205.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM020205.D (-657) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.58 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BM020205.D

Acq: 08 May 2019 21:23

Tgt Ion: 136 Resp: 573433

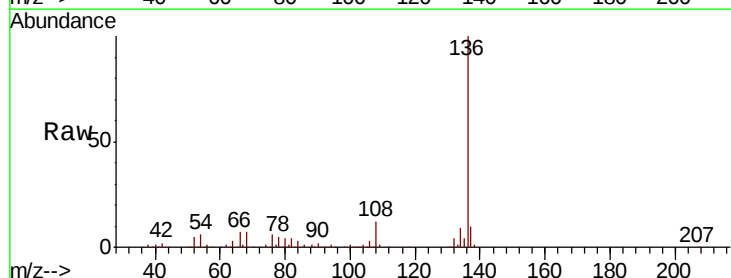
Ion Ratio Lower Upper

136 100

137 10.5 9.6 14.4

54 6.0 5.5 8.3

68 6.5 4.6 6.8

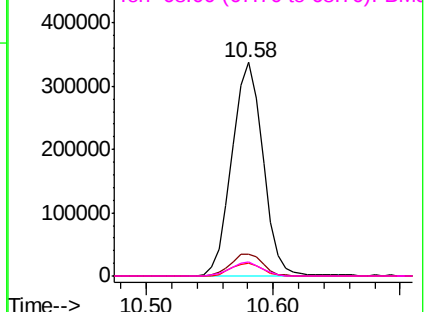
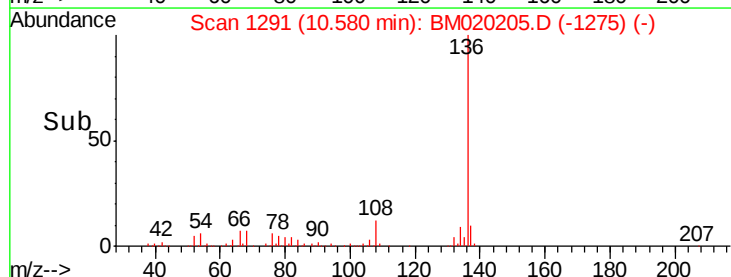


Abundance Ion 136.00 (135.70 to 136.70): BM020205.D (-1275) (-)

Ion 137.00 (136.70 to 137.70): BM020205.D (-1275) (-)

Ion 54.00 (53.70 to 54.70): BM020205.D (-1275) (-)

Ion 68.00 (67.70 to 68.70): BM020205.D (-1275) (-)

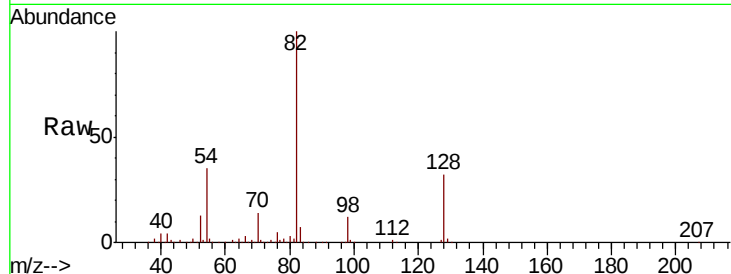




#23
Nitrobenzene-d5
Concen: 34.048 ng
RT: 8.95 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BM020205.D
Acq: 08 May 2019 21:23

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

Tgt Ion	Ratio	Lower	Upper
82	100		
128	31.9	25.2	37.8
54	35.5	31.9	47.9

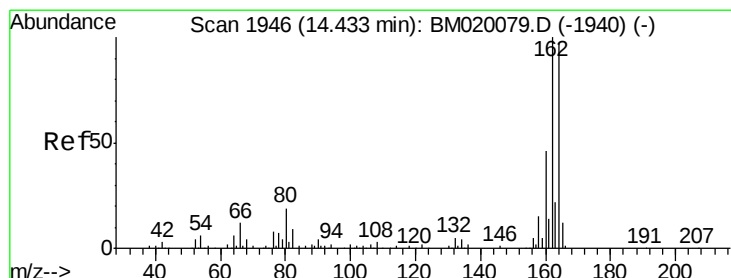
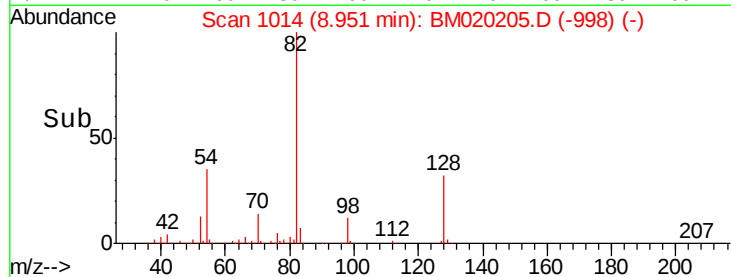
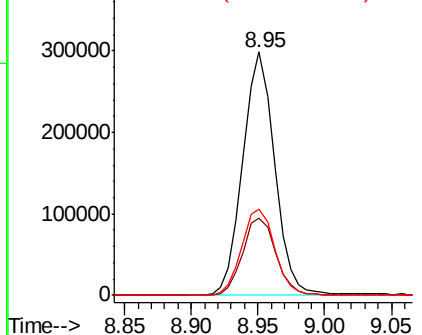


Abundance

Ion 82.00 (81.70 to 82.70): BM020079.D (-1007) (-)

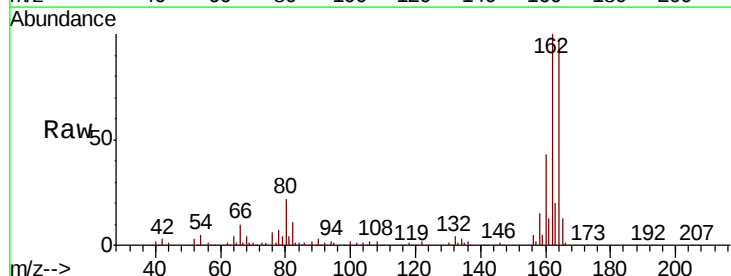
Ion 128.00 (127.70 to 128.70): BM020079.D (-1007) (-)

Ion 54.00 (53.70 to 54.70): BM020079.D (-1007) (-)



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.43 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BM020205.D
Acq: 08 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.2	123.2
160	44.4	37.6	56.4

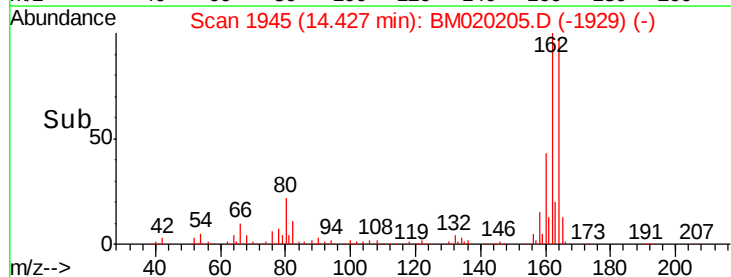
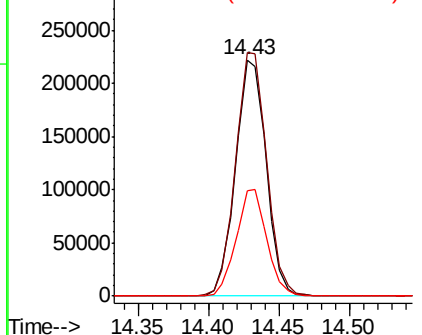


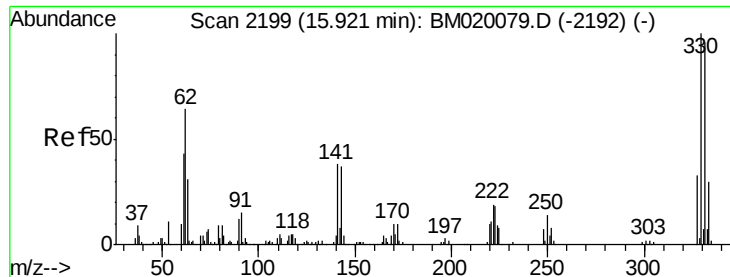
Abundance

Ion 164.00 (163.70 to 164.70): BM020079.D (-1940) (-)

Ion 162.00 (161.70 to 162.70): BM020079.D (-1940) (-)

Ion 160.00 (159.70 to 160.70): BM020079.D (-1940) (-)

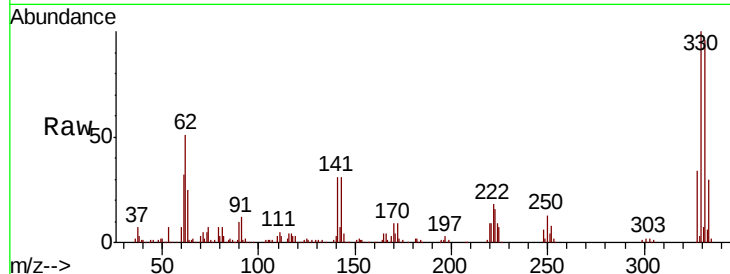




#42
 2,4,6-Tribromophenol
 Concen: 55.016 ng
 RT: 15.92 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: BM020205.D
 Acq: 08 May 2019 21:23

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

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.8	115.2
141	32.4	29.2	43.8

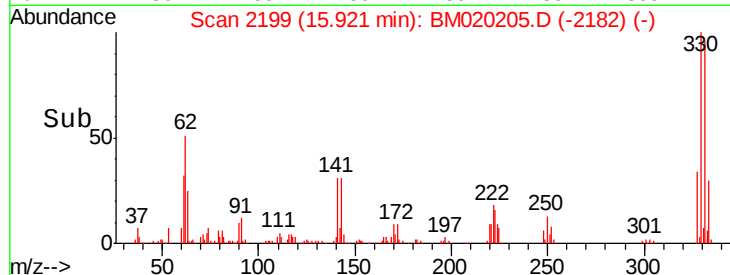
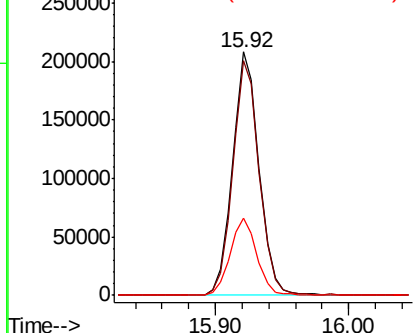


Abundance

Ion 329.80 (329.50 to 330.50): E

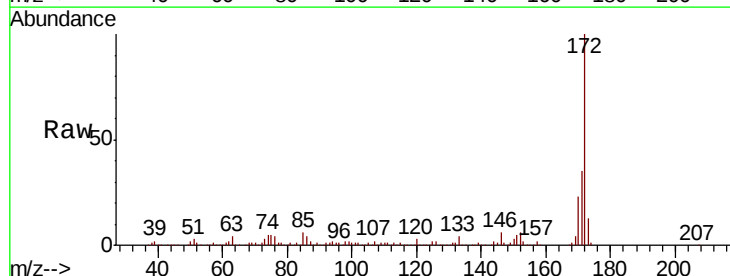
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 31.632 ng
 RT: 13.04 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BM020205.D
 Acq: 08 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.3	40.9
170	22.5	17.9	26.9

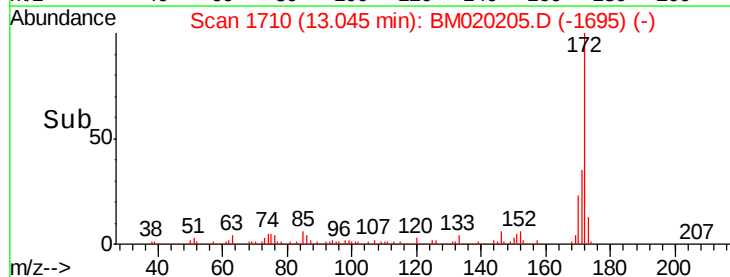
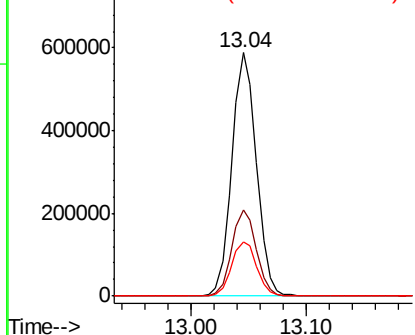


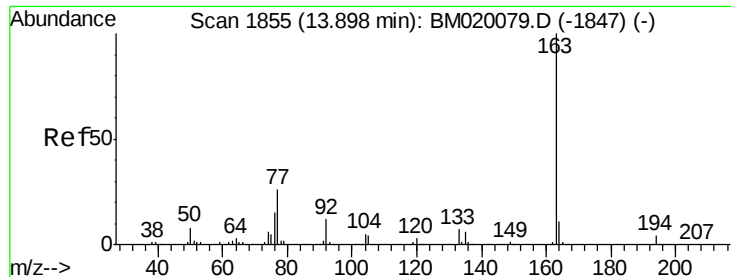
Abundance

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: 3.206 ng

RT: 13.89 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BM020205.D

Acq: 08 May 2019 21:23

Instrument :

BNA_M

ClientSampleId :

CL-02-050719-B

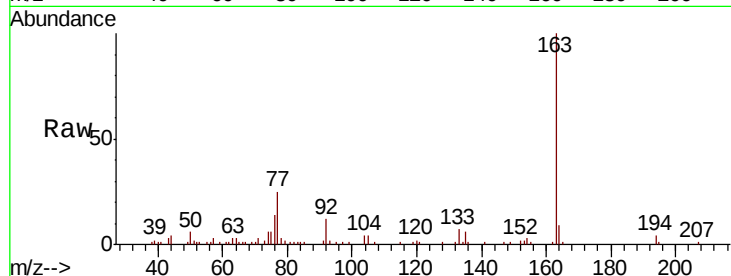
Tgt Ion:163 Resp: 91759

Ion Ratio Lower Upper

163 100

194 4.3 3.6 5.4

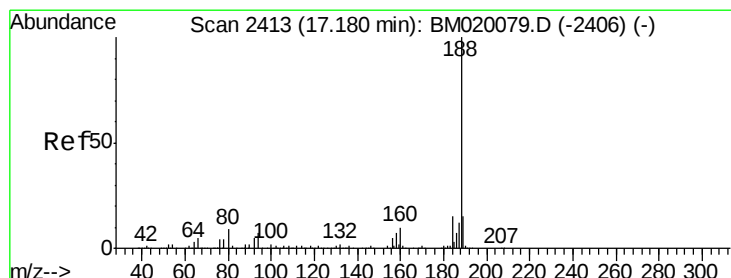
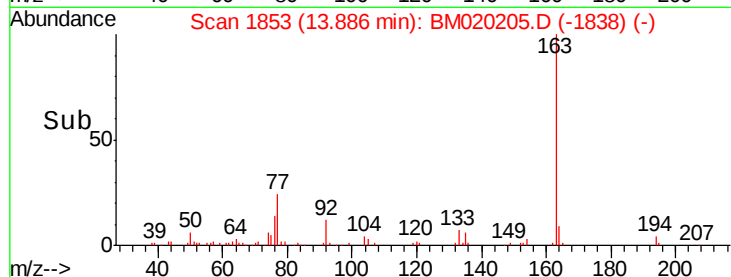
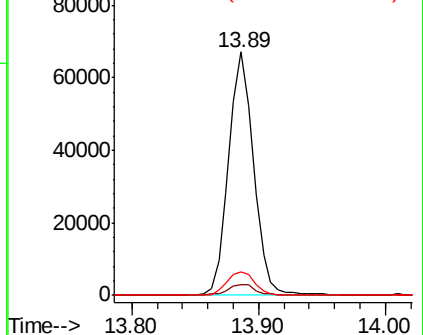
164 9.4 8.4 12.6



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.18 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BM020205.D

Acq: 08 May 2019 21:23

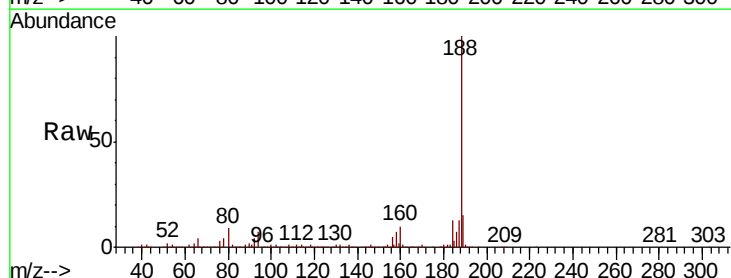
Tgt Ion:188 Resp: 776437

Ion Ratio Lower Upper

188 100

94 7.5 5.8 8.6

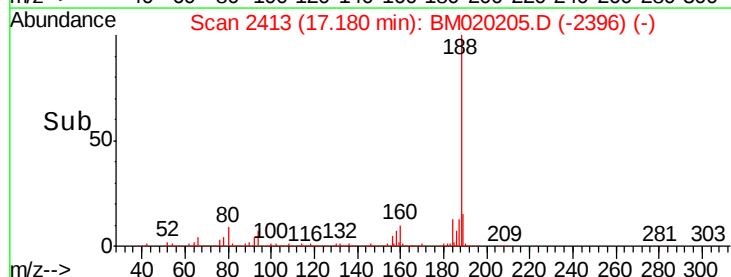
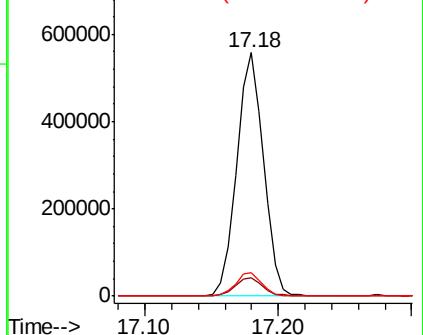
80 9.5 7.4 11.2

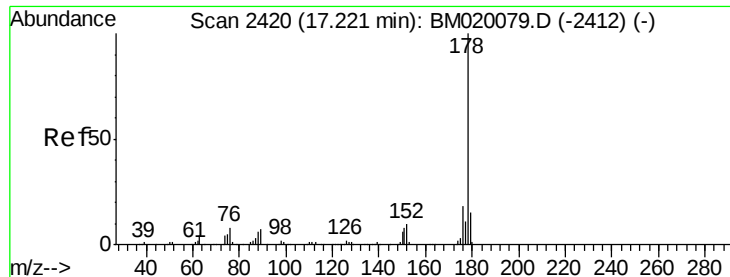


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

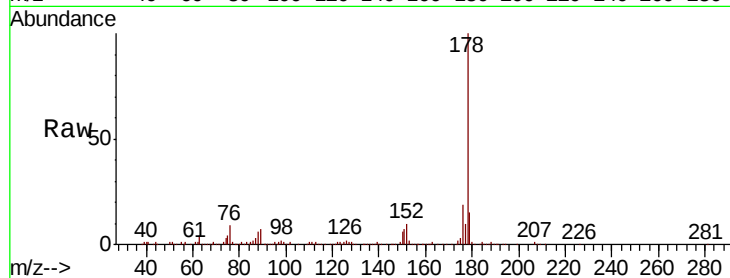




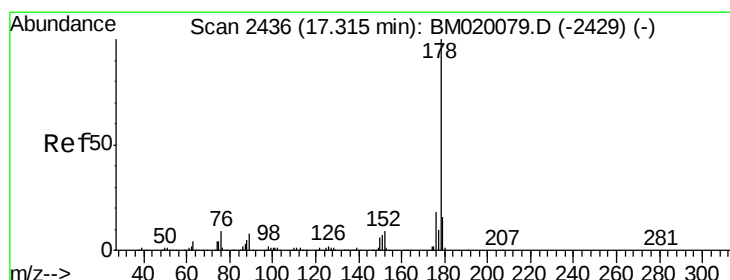
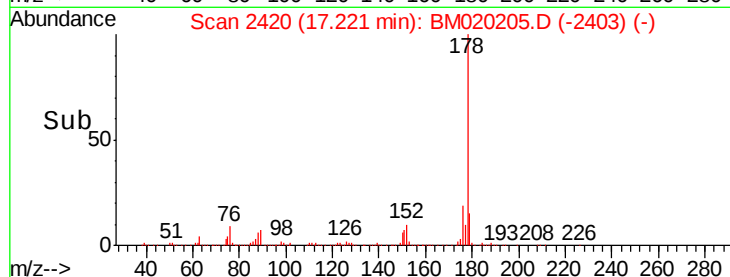
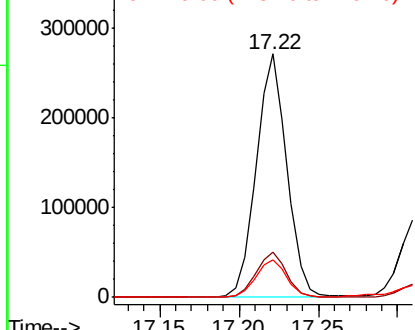
#71
Phenanthrene
Concen: 8.515 ng
RT: 17.22 min Scan# 2420
Delta R.T. -0.00 min
Lab File: BM020205.D
Acq: 08 May 2019 21:23

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

Tgt Ion:178 Resp: 364941
Ion Ratio Lower Upper
178 100
176 18.8 14.6 21.8
179 15.4 12.4 18.6

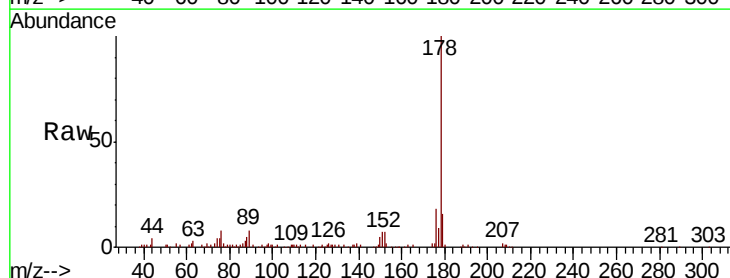


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

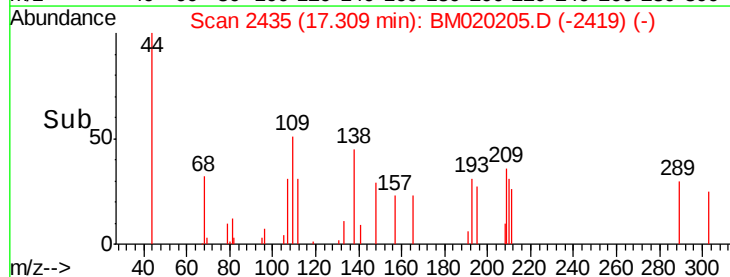
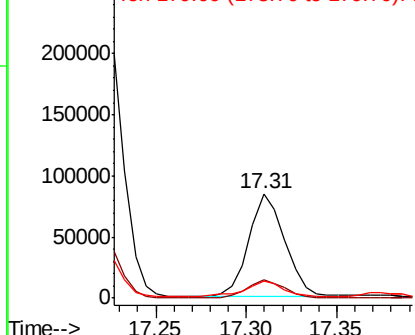


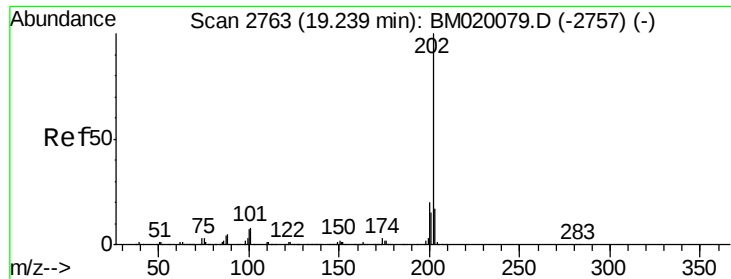
#72
Anthracene
Concen: 2.677 ng
RT: 17.31 min Scan# 2435
Delta R.T. -0.01 min
Lab File: BM020205.D
Acq: 08 May 2019 21:23

Tgt Ion:178 Resp: 114711
Ion Ratio Lower Upper
178 100
176 17.7 14.6 22.0
179 16.1 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





#75

Fluoranthene

Concen: 15.728 ng

RT: 19.24 min Scan# 2763

Delta R.T. -0.00 min

Lab File: BM020205.D

Acq: 08 May 2019 21:23

Instrument :

BNA_M

ClientSampleId :

CL-02-050719-B

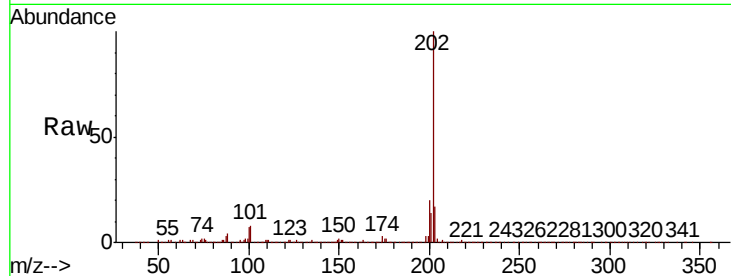
Tgt Ion:202 Resp: 852911

Ion Ratio Lower Upper

202 100

101 7.8 0.0 28.4

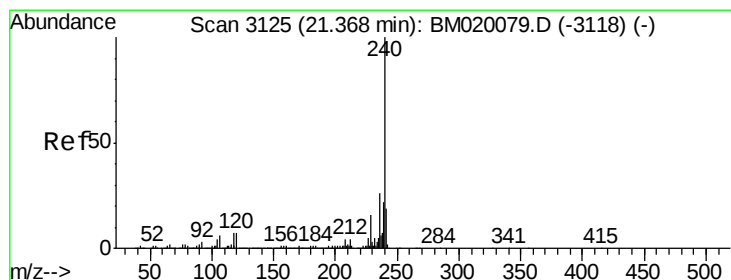
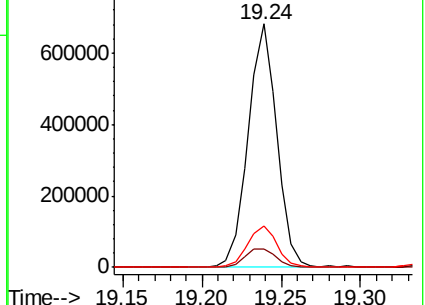
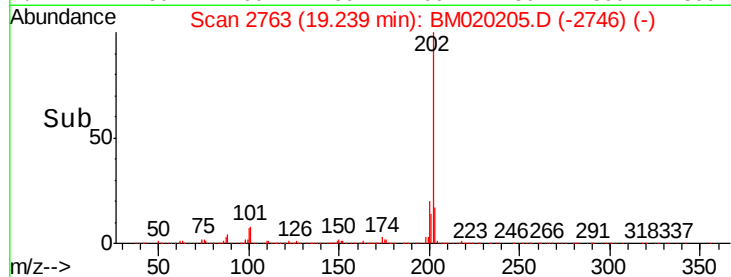
203 17.1 0.0 37.4



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: 21.37 min Scan# 3125

Delta R.T. -0.00 min

Lab File: BM020205.D

Acq: 08 May 2019 21:23

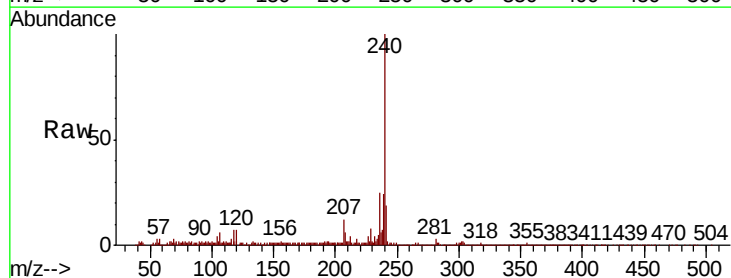
Tgt Ion:240 Resp: 820518

Ion Ratio Lower Upper

240 100

120 7.2 5.6 8.4

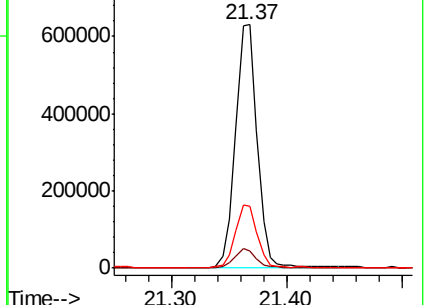
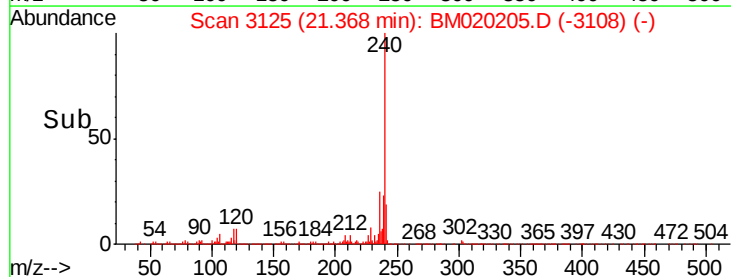
236 25.5 20.9 31.3

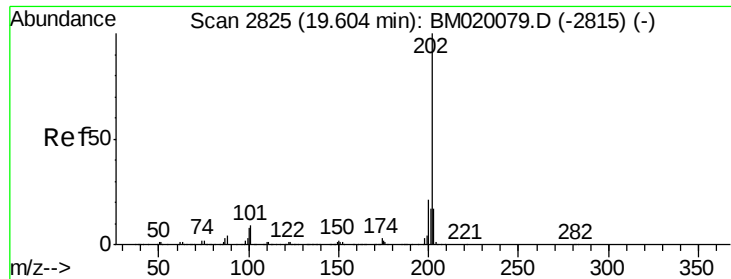


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

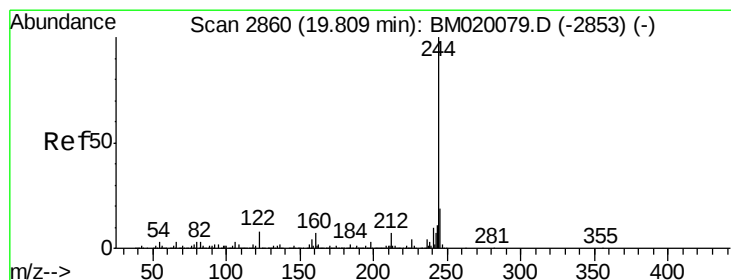
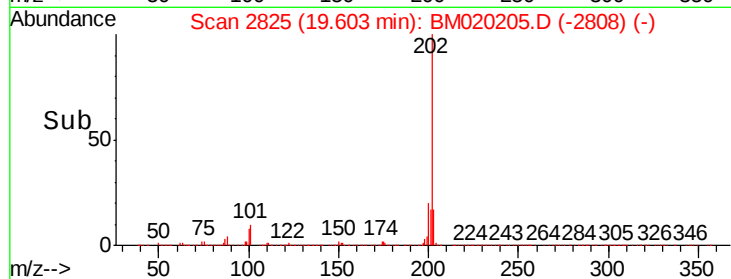
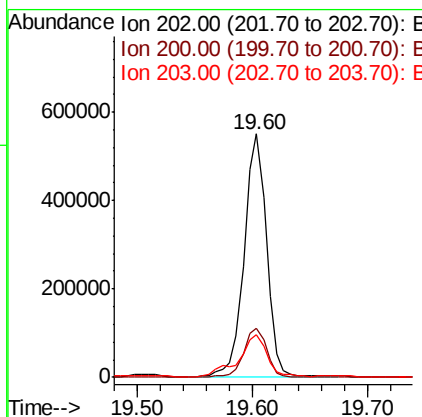
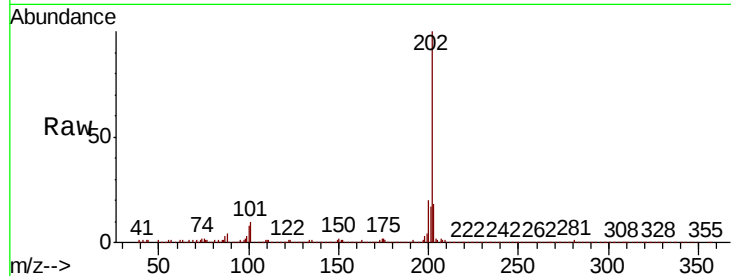




#78
 Pyrene
 Concen: 13.485 ng
 RT: 19.60 min Scan# 2825
 Delta R.T. -0.00 min
 Lab File: BM020205.D
 Acq: 08 May 2019 21:23

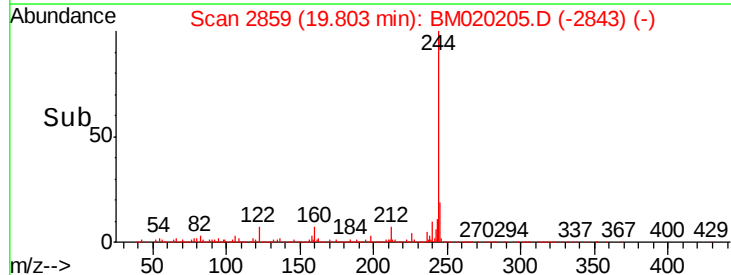
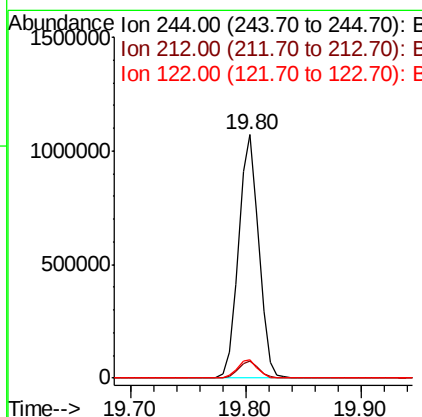
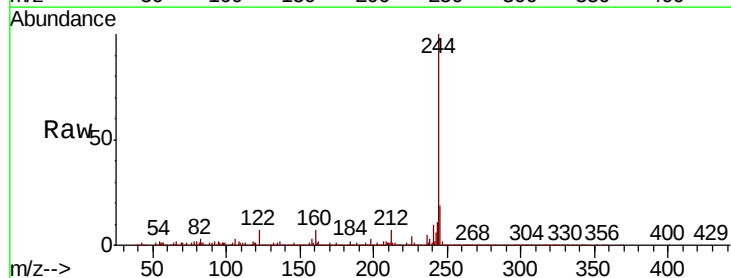
Instrument :
 BNA_M
 ClientSampleId :
 CL-02-050719-B

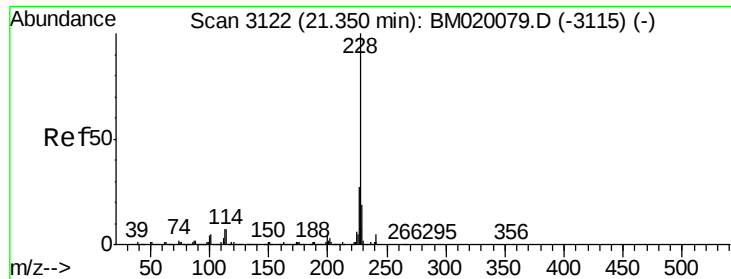
Tgt Ion:	202	Resp:	742862
Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.5	24.7
203	17.6	13.9	20.9



#79
 Terphenyl-d14
 Concen: 27.595 ng
 RT: 19.80 min Scan# 2859
 Delta R.T. -0.01 min
 Lab File: BM020205.D
 Acq: 08 May 2019 21:23

Tgt Ion:	244	Resp:	1298109
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	7.4	6.2	9.2





#81

Benzo(a)anthracene

Concen: 7.972 ng

RT: 21.35 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BM020205.D

Acq: 08 May 2019 21:23

Instrument :

BNA_M

ClientSampleId :

CL-02-050719-B

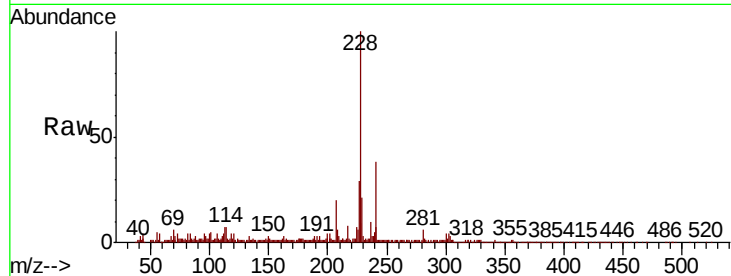
Tgt Ion:228 Resp: 458703

Ion Ratio Lower Upper

228 100

226 29.3 21.3 31.9

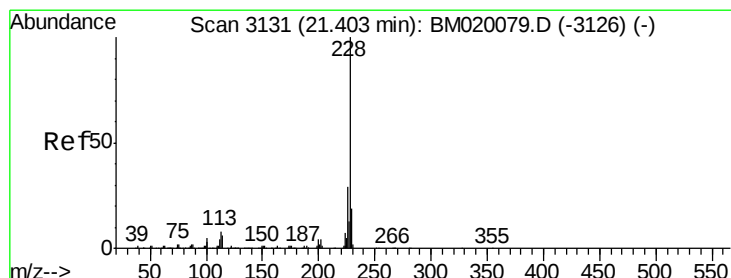
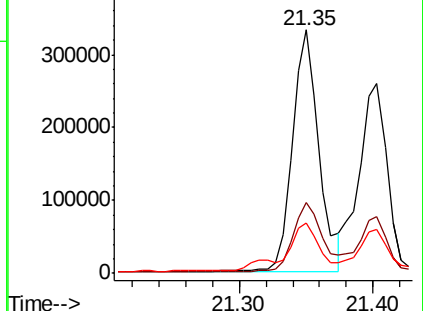
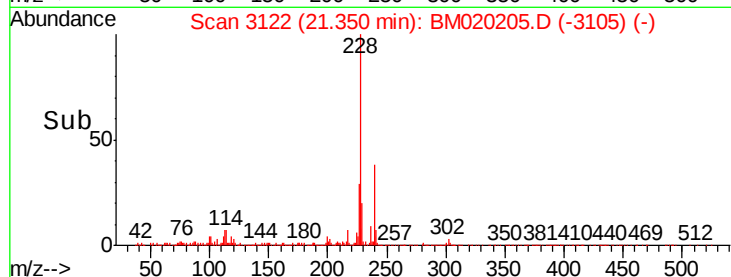
229 20.8 15.5 23.3



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: 6.722 ng

RT: 21.40 min Scan# 3131

Delta R.T. -0.00 min

Lab File: BM020205.D

Acq: 08 May 2019 21:23

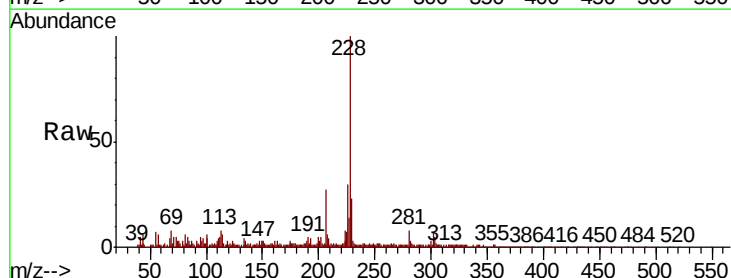
Tgt Ion:228 Resp: 375116

Ion Ratio Lower Upper

228 100

226 29.8 23.0 34.6

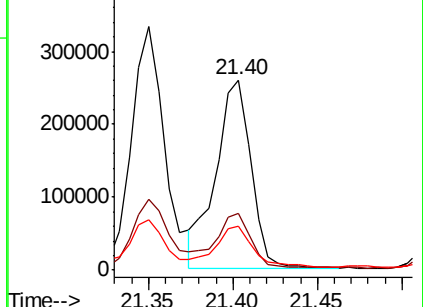
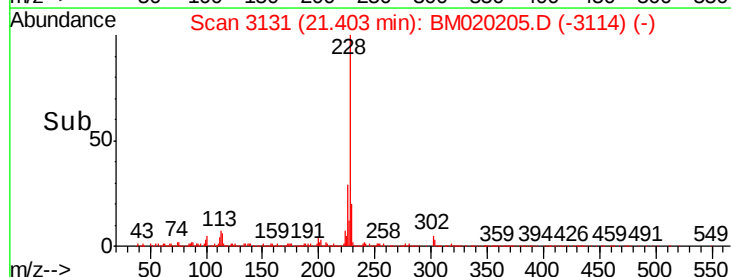
229 23.0 15.5 23.3

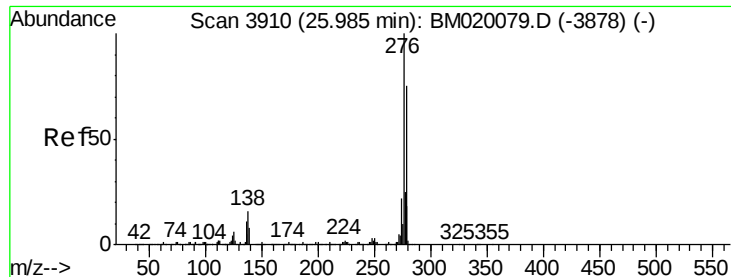


Abundance Ion 228.00 (227.70 to 228.70): E

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: 4.160 ng

RT: 25.99 min Scan# 3911

Delta R.T. 0.01 min

Lab File: BM020205.D

Acq: 08 May 2019 21:23

Instrument :

BNA_M

ClientSampleId :

CL-02-050719-B

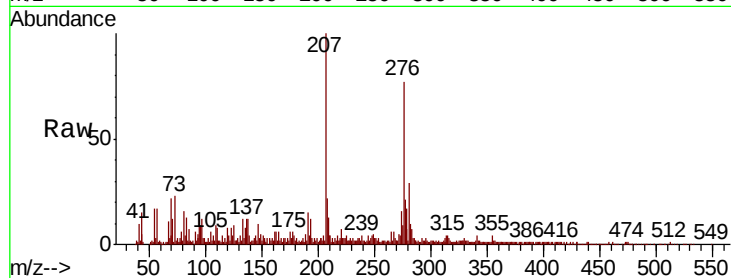
Tgt Ion:276 Resp: 276117

Ion Ratio Lower Upper

276 100

138 14.6 0.0 0.0#

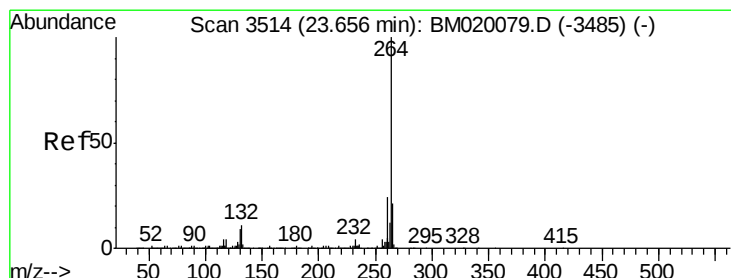
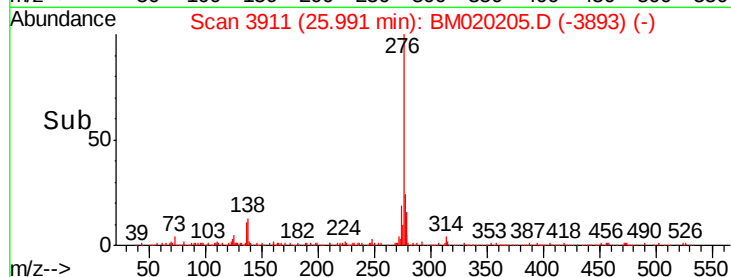
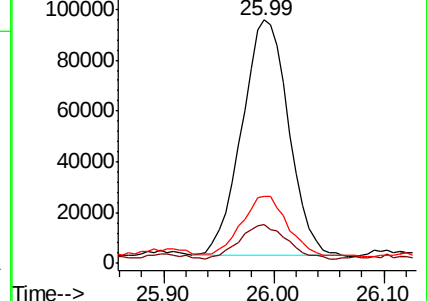
277 24.1 0.0 0.0#



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# 3515

Delta R.T. 0.01 min

Lab File: BM020205.D

Acq: 08 May 2019 21:23

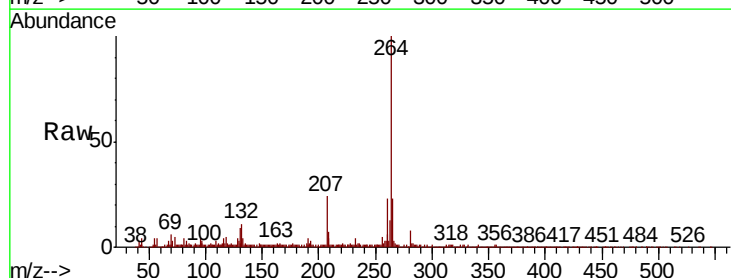
Tgt Ion:264 Resp: 965865

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

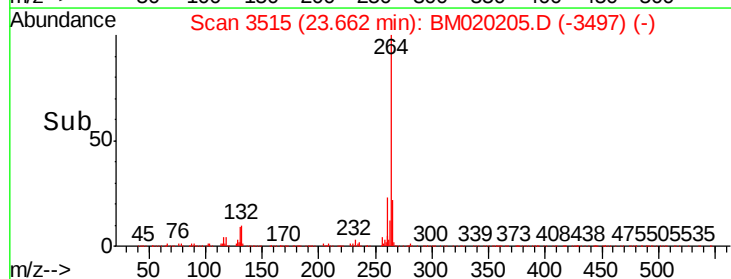
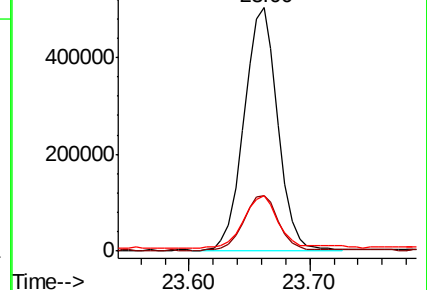
265 23.0 16.9 25.3

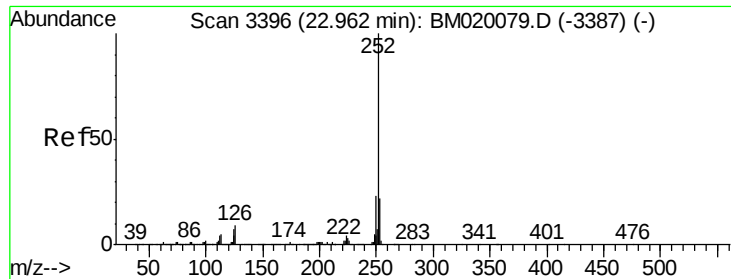


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

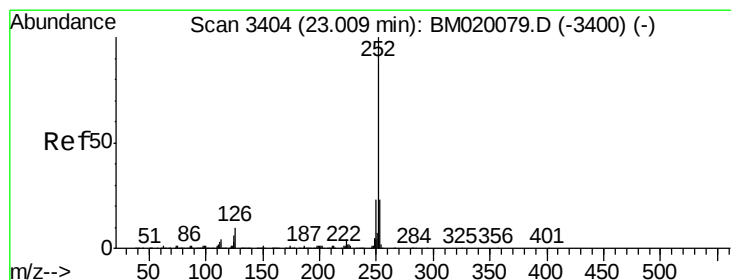
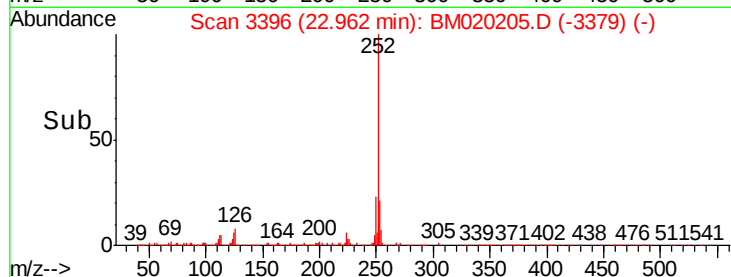
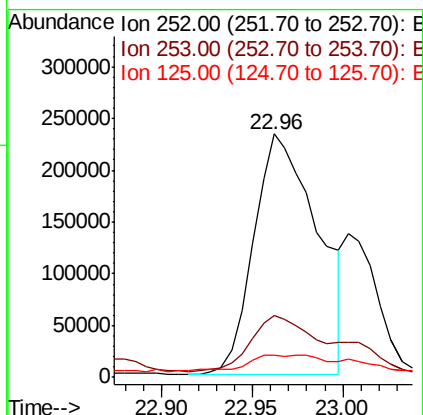
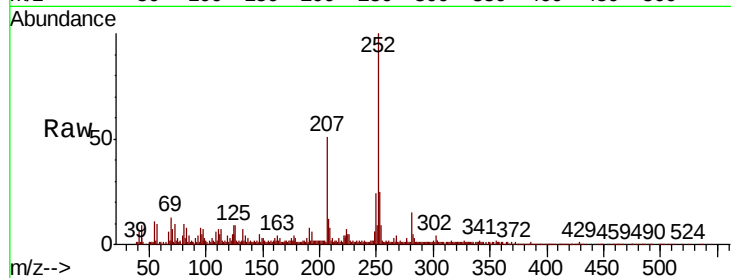




#88
Benzo(b)fluoranthene
Concen: 8.927 ng
RT: 22.96 min Scan# 3396
Delta R.T. -0.00 min
Lab File: BM020205.D
Acq: 08 May 2019 21:23

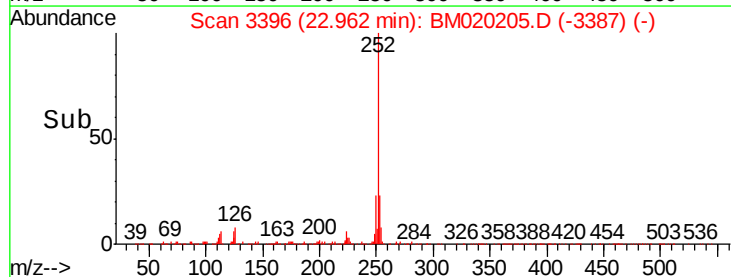
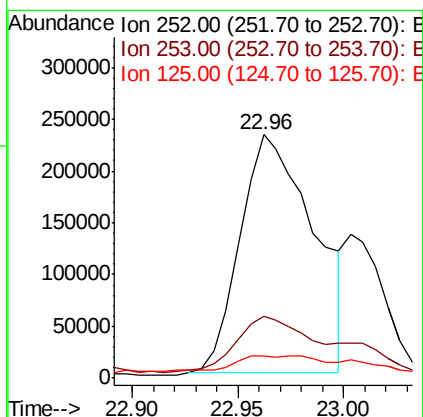
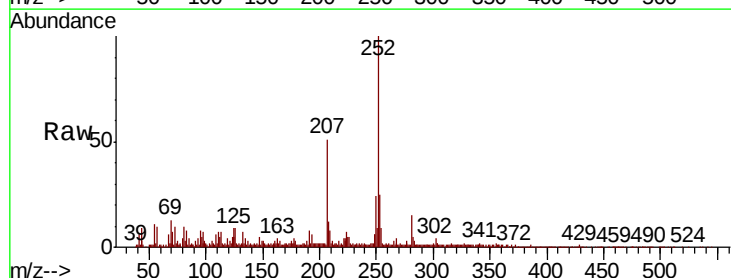
Instrument :
BNA_M
ClientSampleId :
CL-02-050719-B

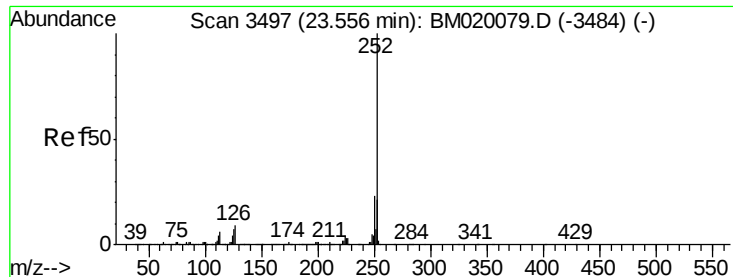
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.5	26.3
125	9.3	5.4	8.2



#89
Benzo(k)fluoranthene
Concen: 9.585 ng
RT: 22.96 min Scan# 3396
Delta R.T. -0.05 min
Lab File: BM020205.D
Acq: 08 May 2019 21:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.8	26.8
125	9.3	5.4	8.0





#90

Benzo(a)pyrene

Concen: 6.985 ng

RT: 23.56 min Scan# 3497

Delta R.T. -0.00 min

Lab File: BM020205.D

Acq: 08 May 2019 21:23

Instrument :

BNA_M

ClientSampleId :

CL-02-050719-B

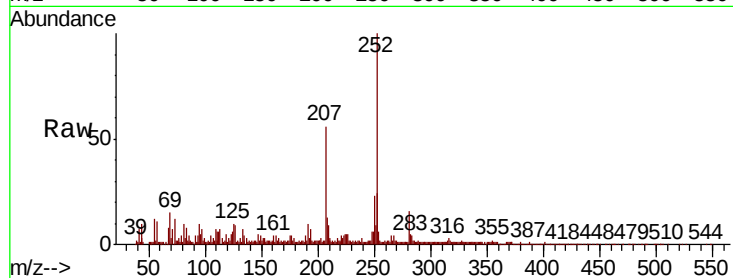
Tgt Ion:252 Resp: 404653

Ion Ratio Lower Upper

252 100

253 23.9 17.0 25.6

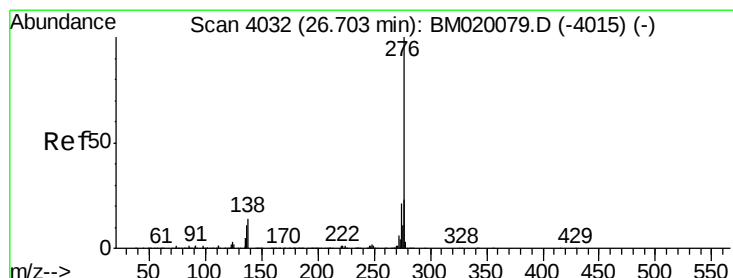
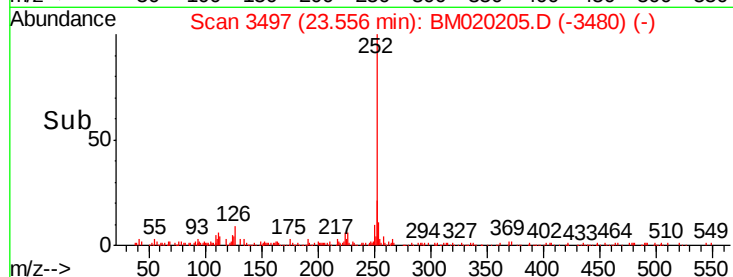
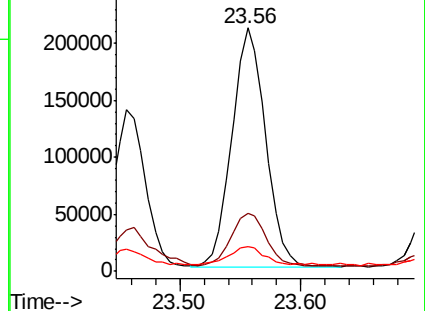
125 10.1 5.5 8.3#



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: 4.598 ng

RT: 26.71 min Scan# 4033

Delta R.T. 0.01 min

Lab File: BM020205.D

Acq: 08 May 2019 21:23

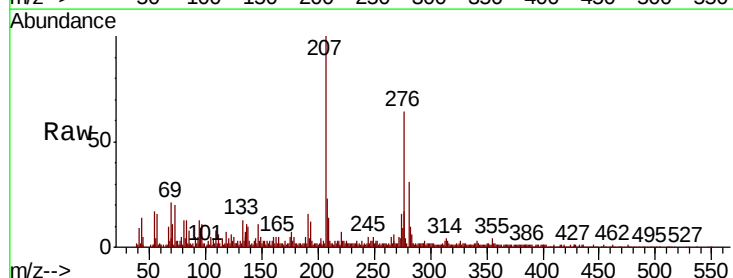
Tgt Ion:276 Resp: 263027

Ion Ratio Lower Upper

276 100

277 27.0 18.4 27.6

138 15.4 11.1 16.7



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

