

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050819\
 Data File : BM020202.D
 Acq On : 08 May 2019 19:33
 Operator : JU/SJ
 Sample : K2641-05 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: May 09 02:08:17 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	161828	20.00	ng	0.00
21) Naphthalene-d8	10.58	136	583874	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	345531	20.00	ng	0.00
64) Phenanthrene-d10	17.17	188	749051	20.00	ng	0.00
76) Chrysene-d12	21.36	240	760722	20.00	ng	0.00
87) Perylene-d12	23.66	264	886941	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	543825	54.93	ng	0.00
7) Phenol-d6	6.95	99	744480	55.04	ng	0.00
23) Nitrobenzene-d5	8.95	82	527482	35.67	ng	0.00
42) 2,4,6-Tribromophenol	15.92	330	284494	53.04	ng	0.00
45) 2-Fluorobiphenyl	13.04	172	983578	35.02	ng	-0.01
79) Terphenyl-d14	19.80	244	1381157	31.67	ng	0.00

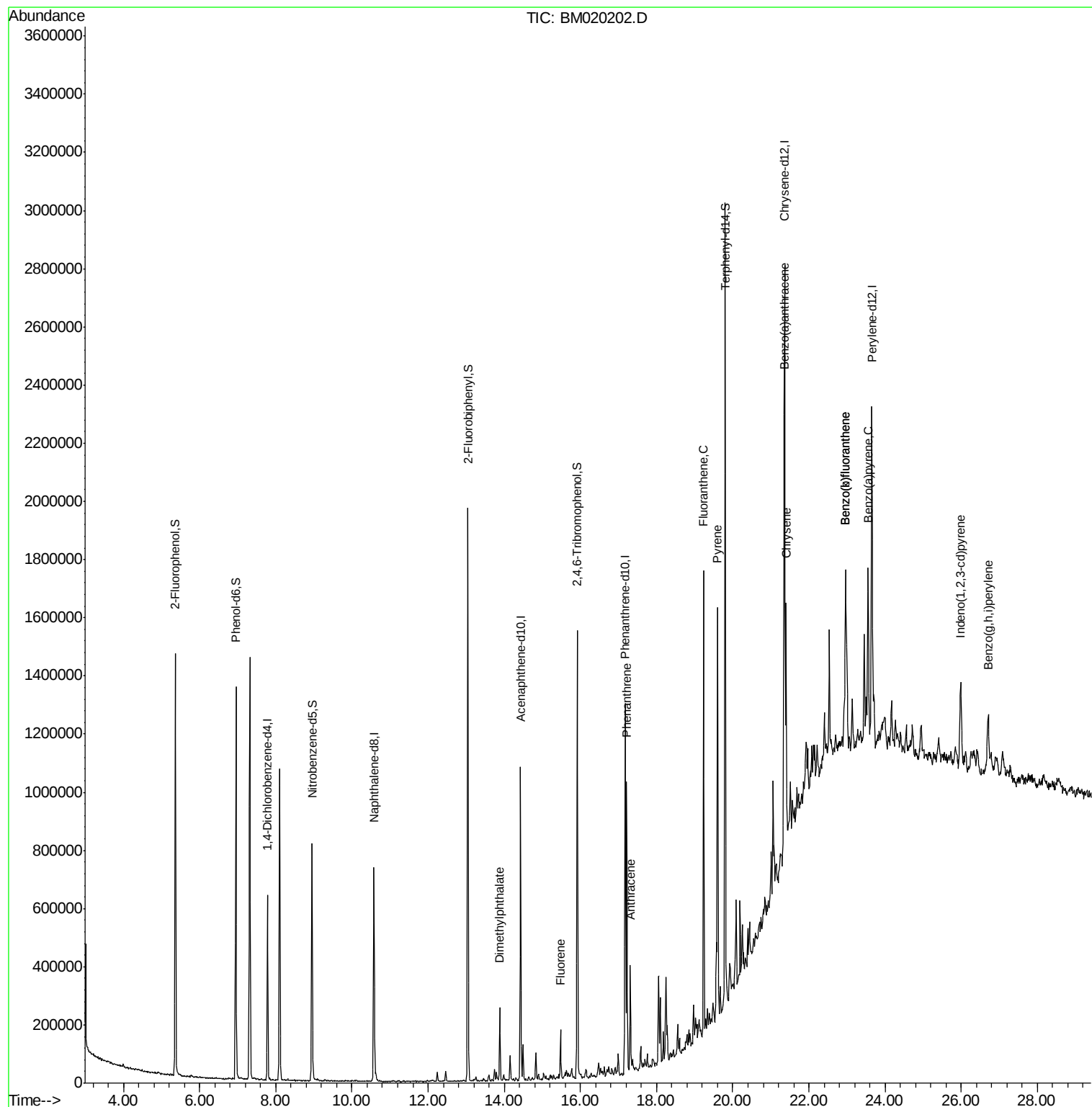
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	13.89	163	136572	4.650	ng	99
58) Fluorene	15.48	166	72474	2.510	ng	99
71) Phenanthrene	17.22	178	581502	14.064	ng	98
72) Anthracene	17.31	178	215246	5.207	ng	98
75) Fluoranthene	19.23	202	949900	18.157	ng	98
78) Pyrene	19.60	202	882466	17.278	ng	98
81) Benzo(a)anthracene	21.34	228	514264	9.640	ng	98
83) Chrysene	21.40	228	435265	8.413	ng	96
86) Indeno(1,2,3-cd)pyrene	25.99	276	288631	4.690	ng	# 100
88) Benzo(b)fluoranthene	22.96	252	593813	10.139	ng	# 96
89) Benzo(k)fluoranthene	22.96	252	589832	11.040	ng	# 97
90) Benzo(a)pyrene	23.55	252	455749	8.567	ng	95
92) Benzo(g,h,i)perylene	26.71	276	279407	5.319	ng	93

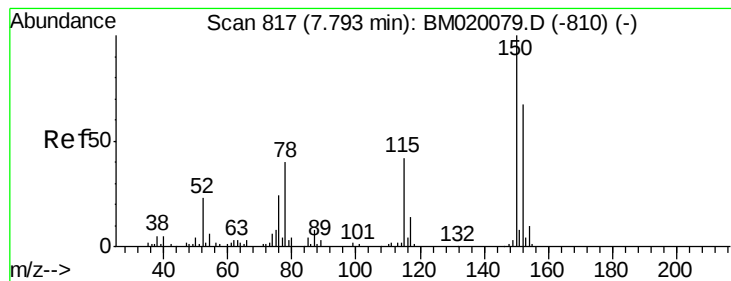
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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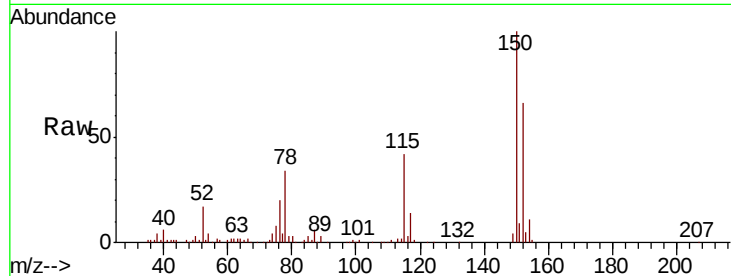


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 816
Delta R.T. -0.01 min
Lab File: BM020202.D
Acq: 08 May 2019 19:33

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

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.1	119.8	179.8
115	64.6	50.8	76.2

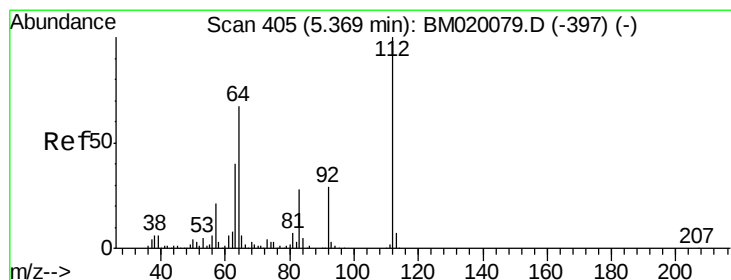
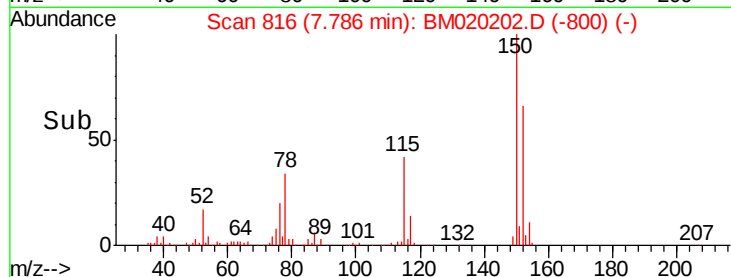
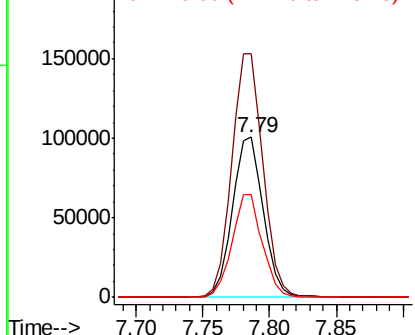


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

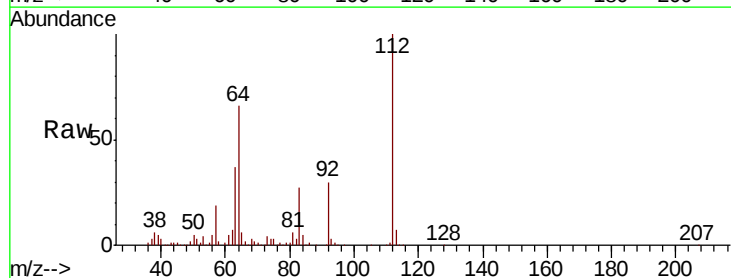
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 54.931 ng
RT: 5.36 min Scan# 404
Delta R.T. -0.01 min
Lab File: BM020202.D
Acq: 08 May 2019 19:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	53.8	80.6
63	37.1	32.3	48.5

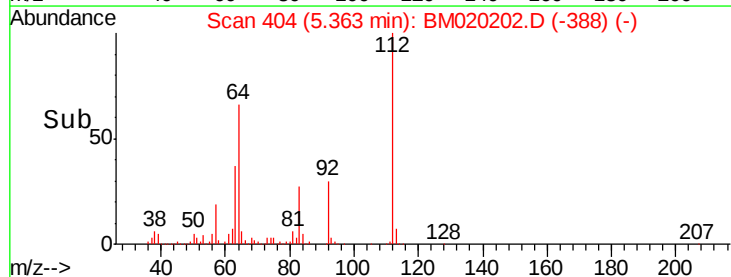
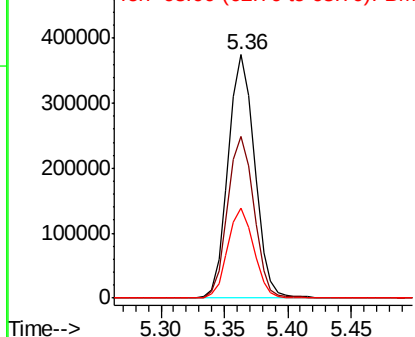


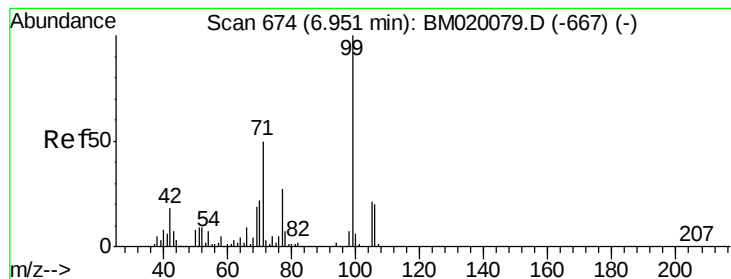
Abundance

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: 55.044 ng

RT: 6.95 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM020202.D

Acq: 08 May 2019 19:33

Instrument :

BNA_M

ClientSampleId :

CL-02-050719-C

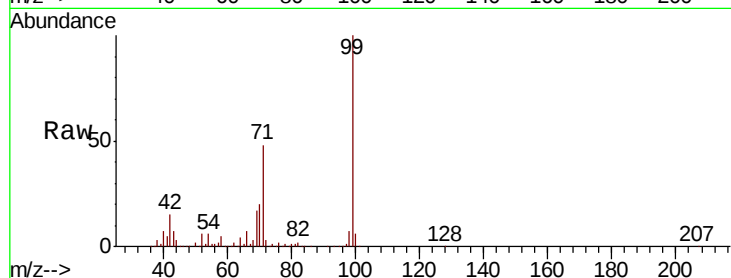
Tgt Ion: 99 Resp: 744480

Ion Ratio Lower Upper

99 100

42 14.5 14.2 21.2

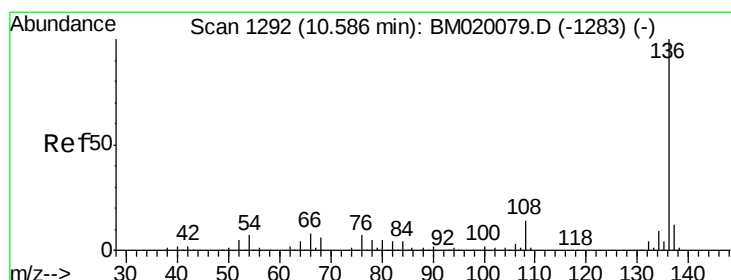
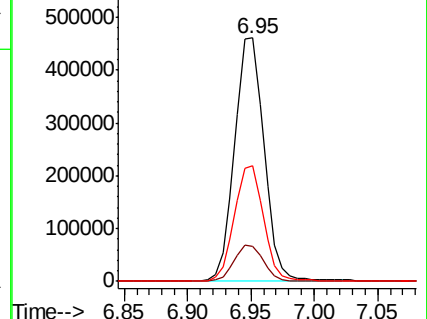
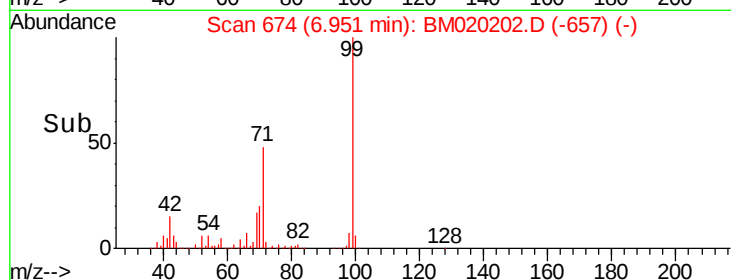
71 47.7 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020202.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM020202.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM020202.D (-657) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.58 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BM020202.D

Acq: 08 May 2019 19:33

Tgt Ion: 136 Resp: 583874

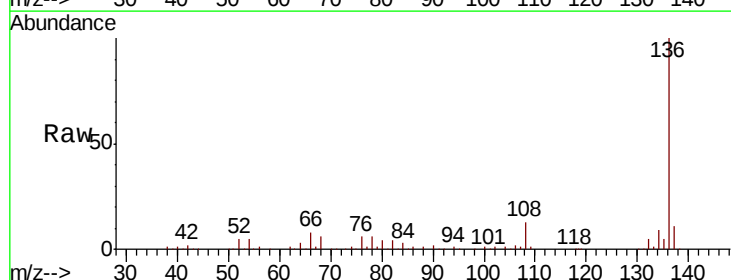
Ion Ratio Lower Upper

136 100

137 10.9 9.6 14.4

54 5.5 5.5 8.3#

68 6.2 4.6 6.8

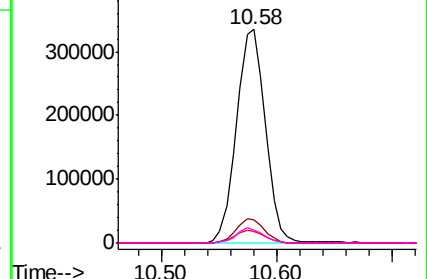
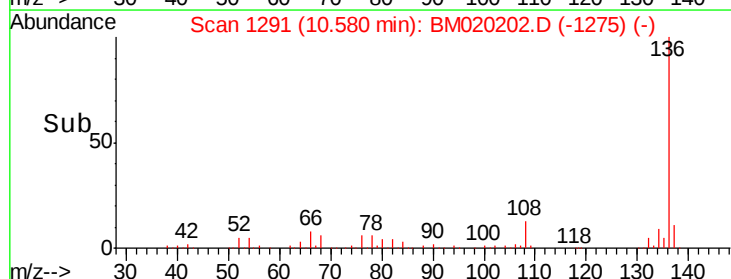


Abundance Ion 136.00 (135.70 to 136.70): BM020202.D (-1275) (-)

Ion 137.00 (136.70 to 137.70): BM020202.D (-1275) (-)

Ion 54.00 (53.70 to 54.70): BM020202.D (-1275) (-)

Ion 68.00 (67.70 to 68.70): BM020202.D (-1275) (-)

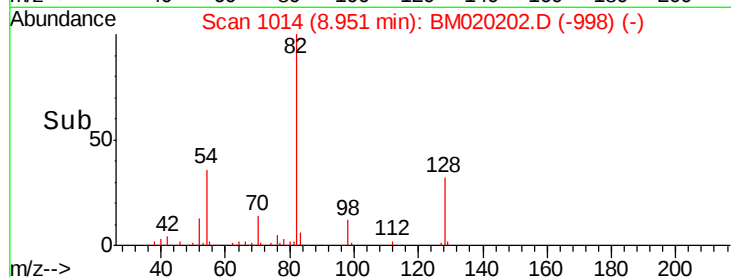
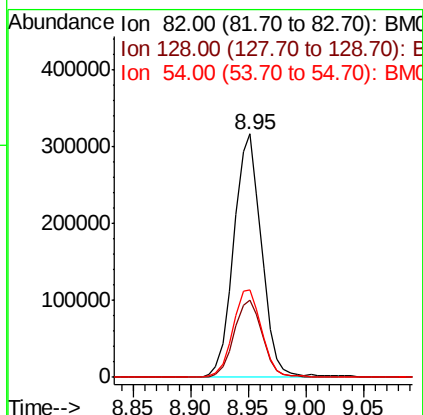
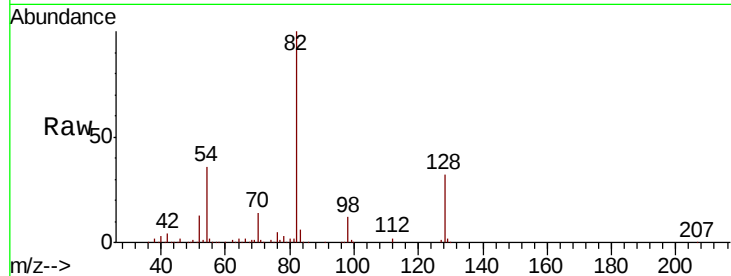




#23
Nitrobenzene-d5
Concen: 35.667 ng
RT: 8.95 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BM020202.D
Acq: 08 May 2019 19:33

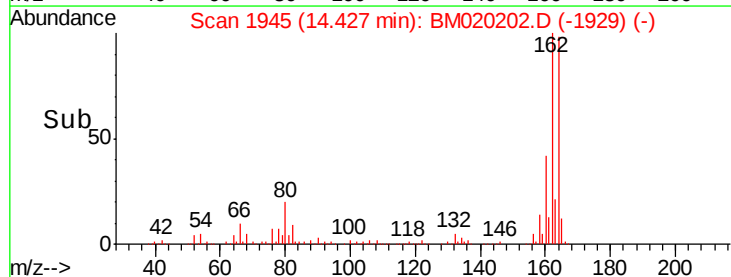
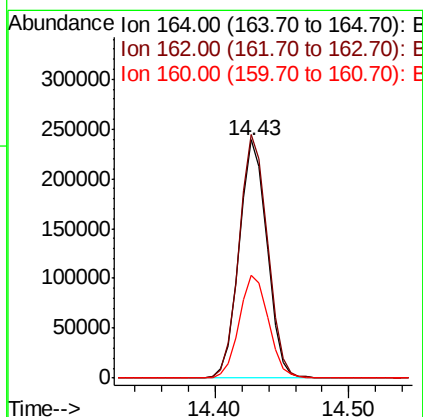
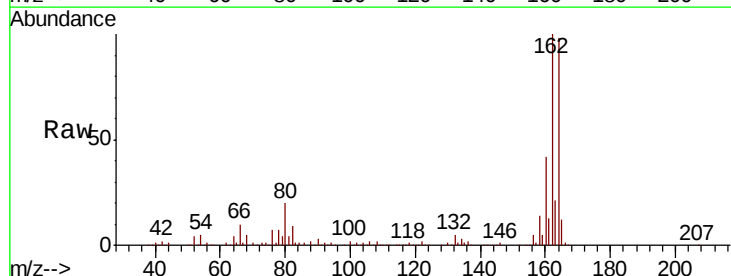
Instrument :
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CL-02-050719-C

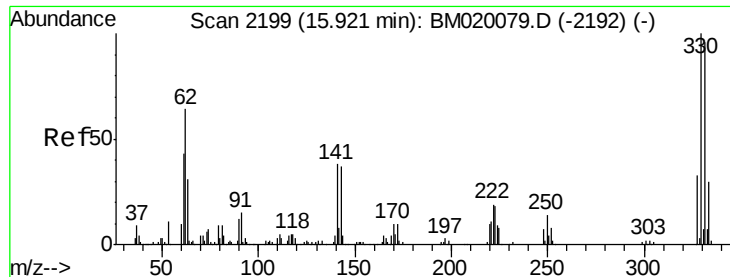
Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.0	25.2	37.8
54	36.0	31.9	47.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.43 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BM020202.D
Acq: 08 May 2019 19:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.2	123.2
160	43.1	37.6	56.4

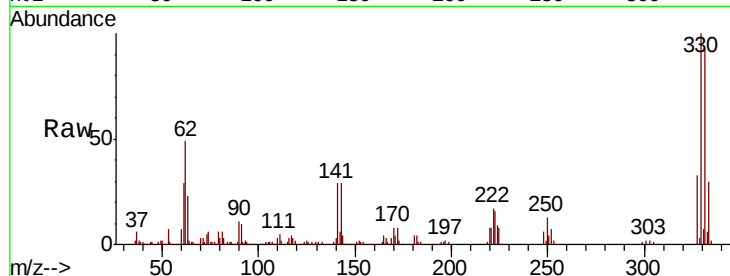




#42
 2,4,6-Tribromophenol
 Concen: 53.045 ng
 RT: 15.92 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: BM020202.D
 Acq: 08 May 2019 19:33

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

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.8	115.2
141	32.6	29.2	43.8

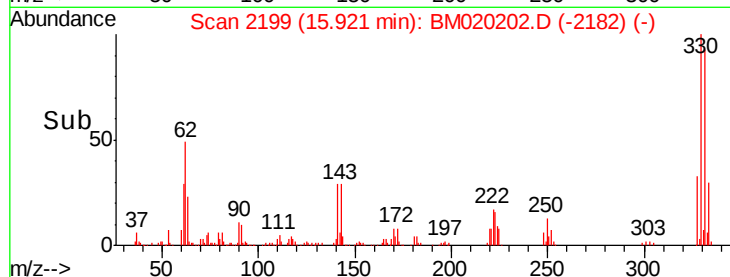
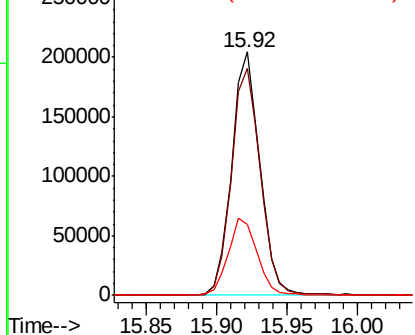


Abundance

Ion 329.80 (329.50 to 330.50): E

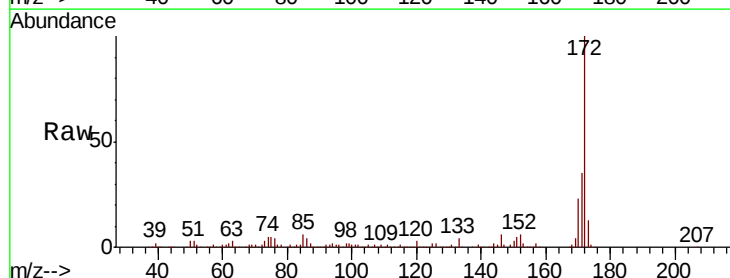
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 35.023 ng
 RT: 13.04 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BM020202.D
 Acq: 08 May 2019 19:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.3	40.9
170	22.8	17.9	26.9

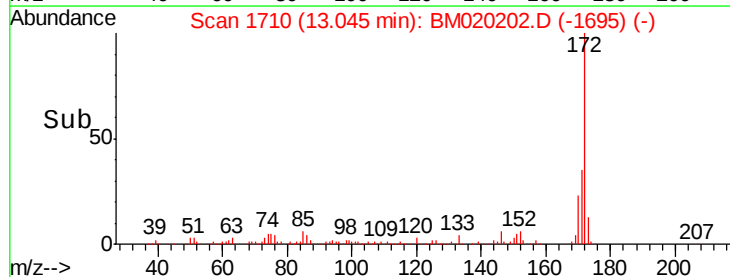
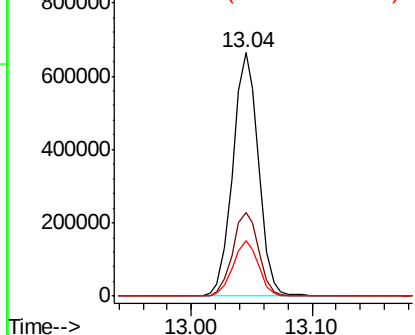


Abundance

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: 4.650 ng

RT: 13.89 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BM020202.D

Acq: 08 May 2019 19:33

Instrument :

BNA_M

ClientSampleId :

CL-02-050719-C

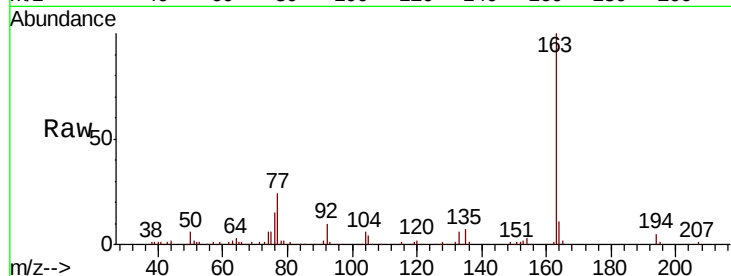
Tgt Ion:163 Resp: 136572

Ion Ratio Lower Upper

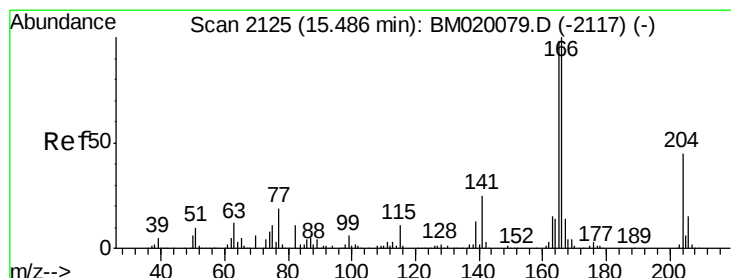
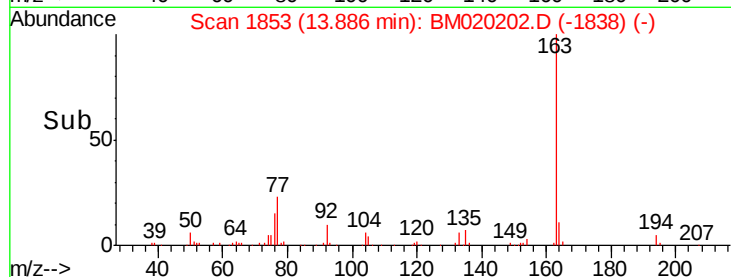
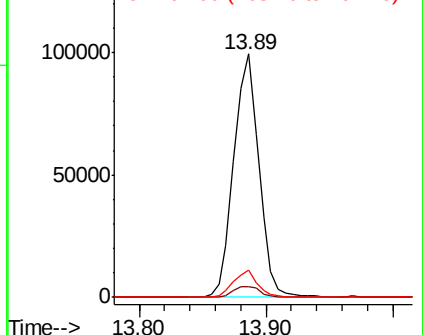
163 100

194 4.6 3.6 5.4

164 11.2 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



#58

Fluorene

Concen: 2.510 ng

RT: 15.48 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BM020202.D

Acq: 08 May 2019 19:33

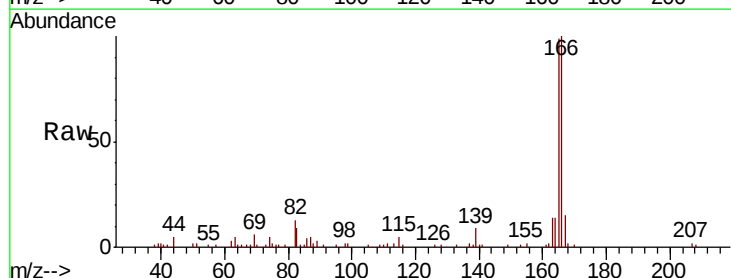
Tgt Ion:166 Resp: 72474

Ion Ratio Lower Upper

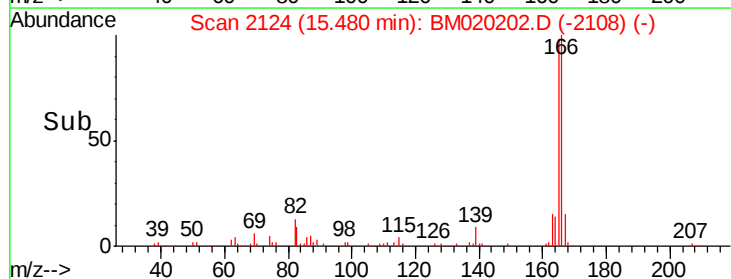
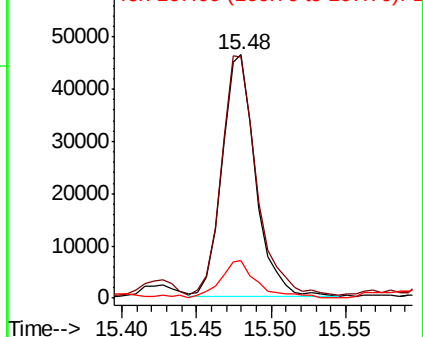
166 100

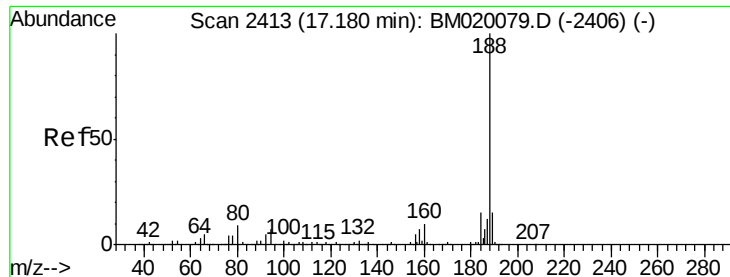
165 98.8 78.2 117.2

167 15.4 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.17 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BM020202.D

Acq: 08 May 2019 19:33

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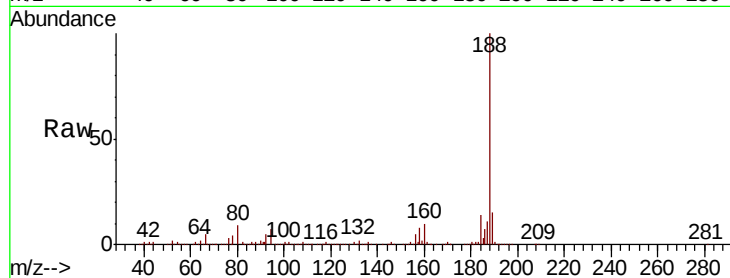
Tgt Ion:188 Resp: 749051

Ion Ratio Lower Upper

188 100

94 7.5 5.8 8.6

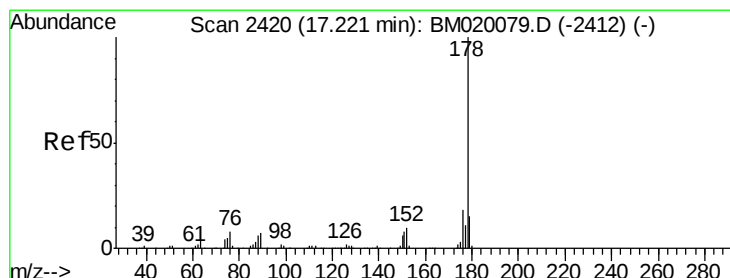
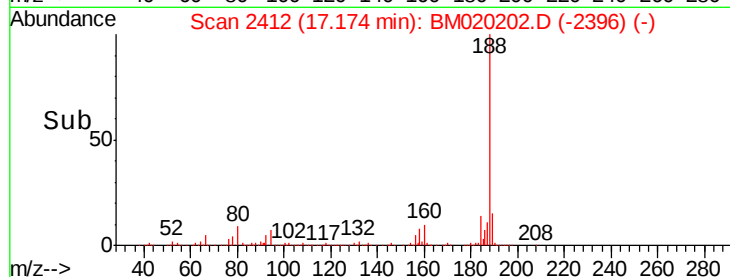
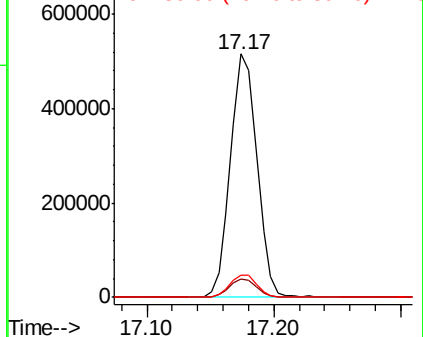
80 9.2 7.4 11.2



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: 14.064 ng

RT: 17.22 min Scan# 2419

Delta R.T. -0.01 min

Lab File: BM020202.D

Acq: 08 May 2019 19:33

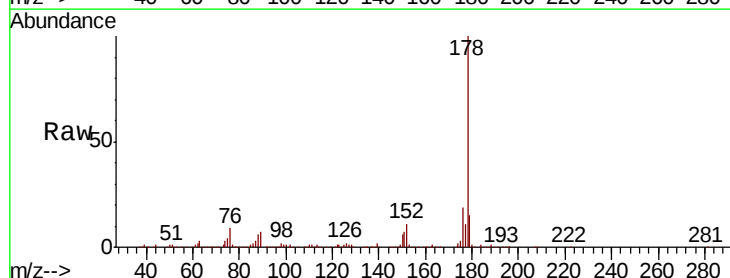
Tgt Ion:178 Resp: 581502

Ion Ratio Lower Upper

178 100

176 19.3 14.6 21.8

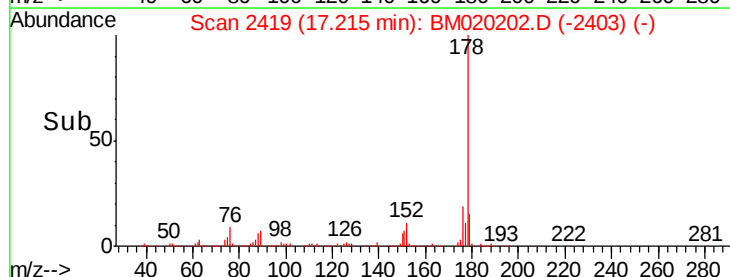
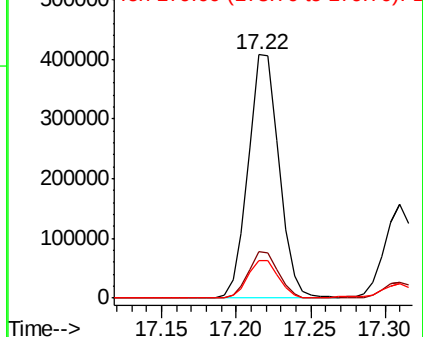
179 15.2 12.4 18.6

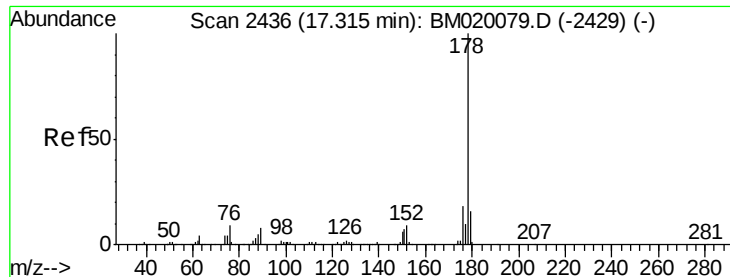


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 5.207 ng

RT: 17.31 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BM020202.D

Acq: 08 May 2019 19:33

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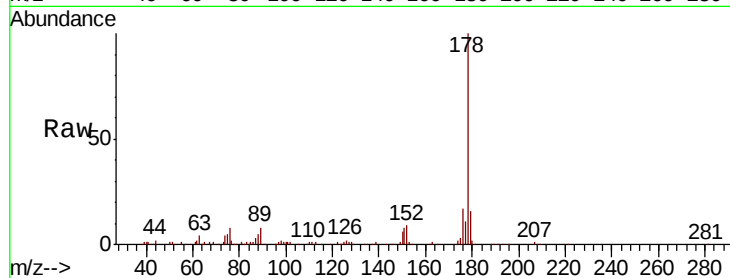
Tgt Ion:178 Resp: 215246

Ion Ratio Lower Upper

178 100

176 17.2 14.6 22.0

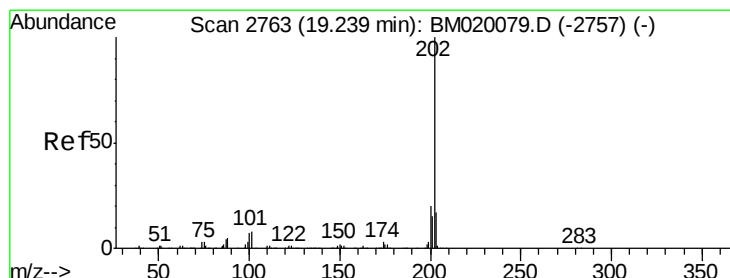
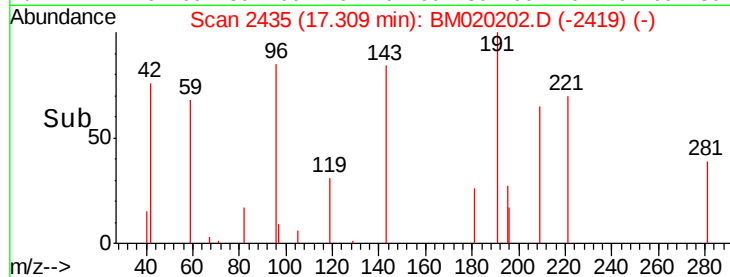
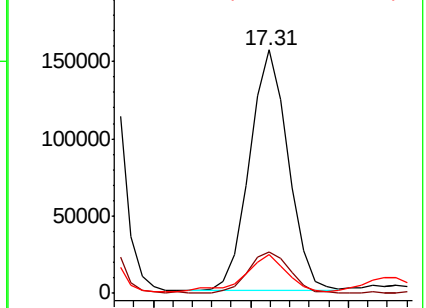
179 15.9 12.4 18.6



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: 18.157 ng

RT: 19.23 min Scan# 2762

Delta R.T. -0.01 min

Lab File: BM020202.D

Acq: 08 May 2019 19:33

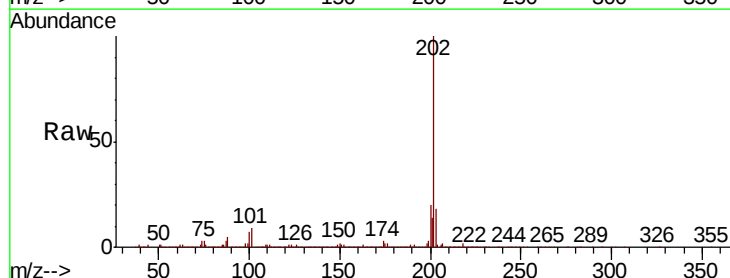
Tgt Ion:202 Resp: 949900

Ion Ratio Lower Upper

202 100

101 8.6 0.0 28.4

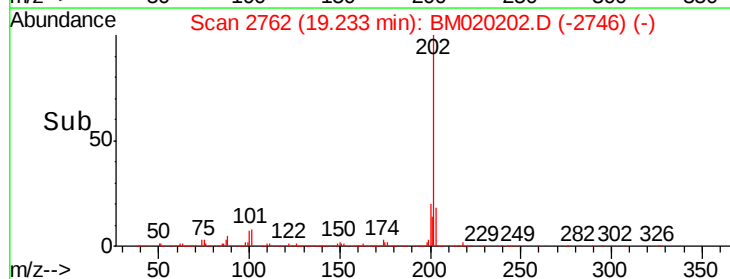
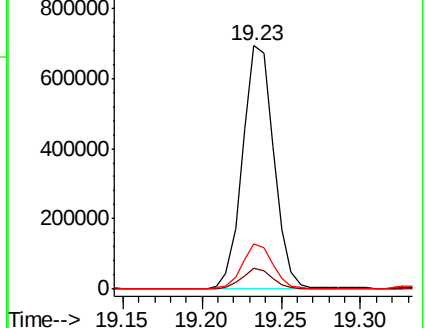
203 18.4 0.0 37.4

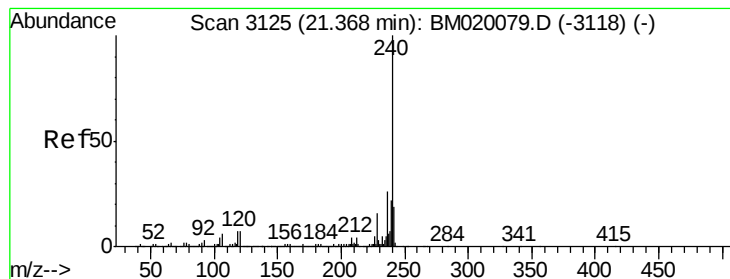


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.36 min Scan# 3124

Delta R.T. -0.01 min

Lab File: BM020202.D

Acq: 08 May 2019 19:33

Instrument :

BNA_M

ClientSampleId :

CL-02-050719-C

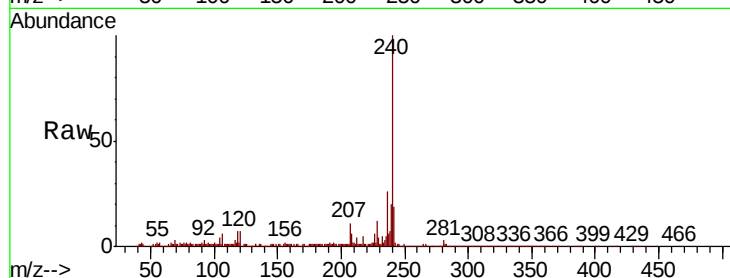
Tgt Ion:240 Resp: 760722

Ion Ratio Lower Upper

240 100

120 7.3 5.6 8.4

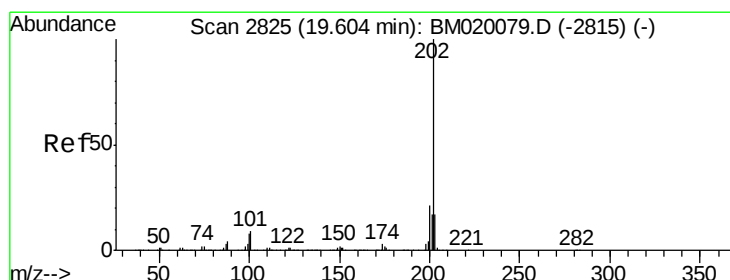
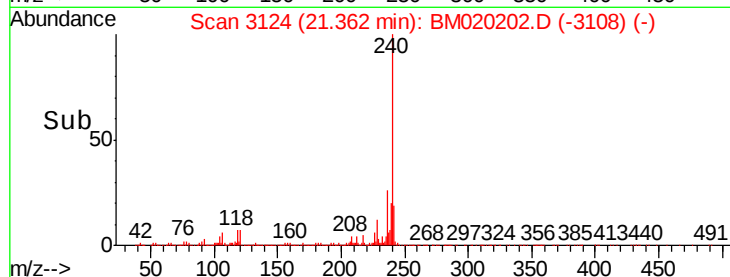
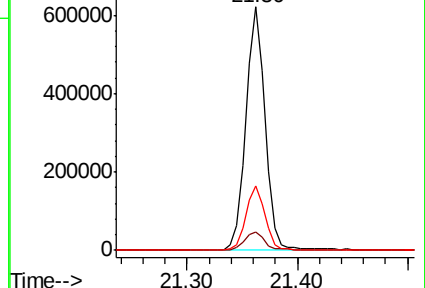
236 26.4 20.9 31.3



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: 17.278 ng

RT: 19.60 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BM020202.D

Acq: 08 May 2019 19:33

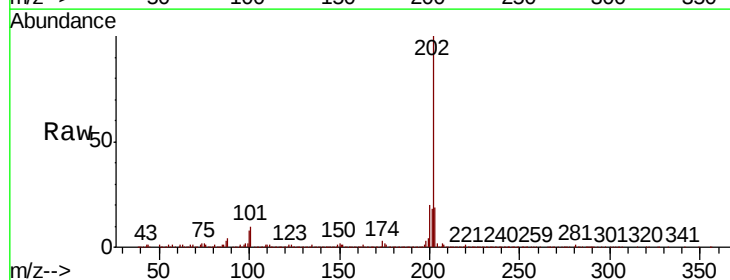
Tgt Ion:202 Resp: 882466

Ion Ratio Lower Upper

202 100

200 20.0 16.5 24.7

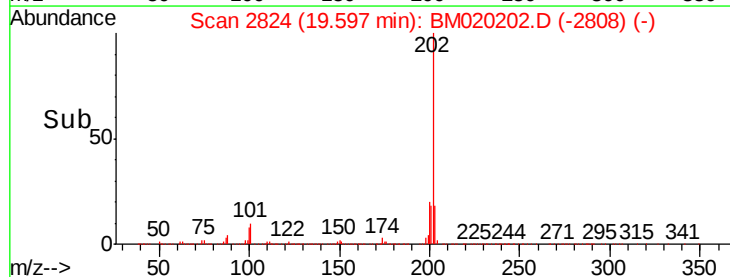
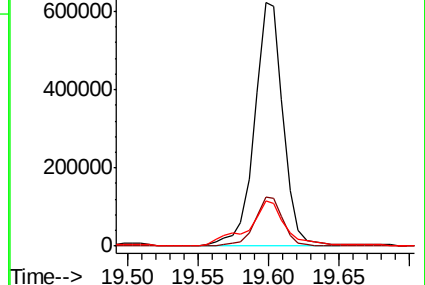
203 18.6 13.9 20.9

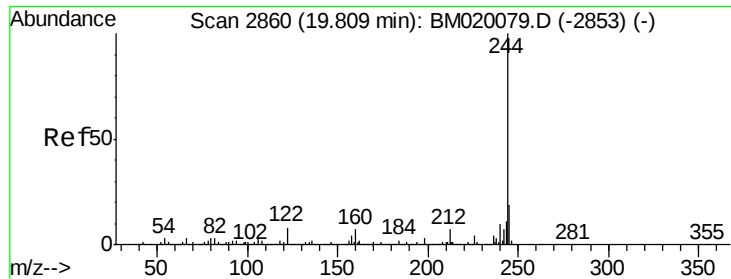


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 31.668 ng

RT: 19.80 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BM020202.D

Acq: 08 May 2019 19:33

Instrument :

BNA_M

ClientSampleId :

CL-02-050719-C

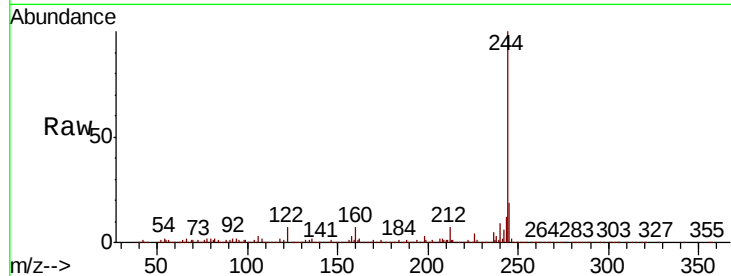
Tgt Ion:244 Resp: 1381157

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

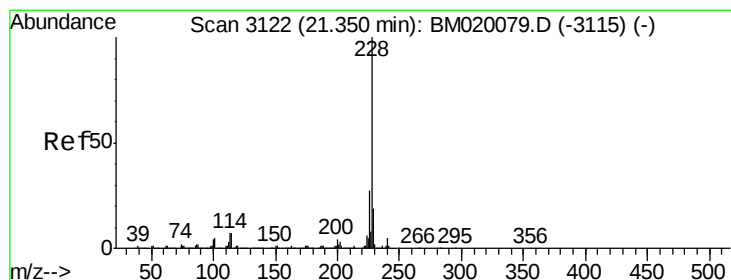
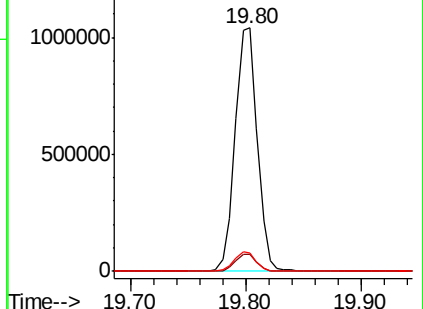
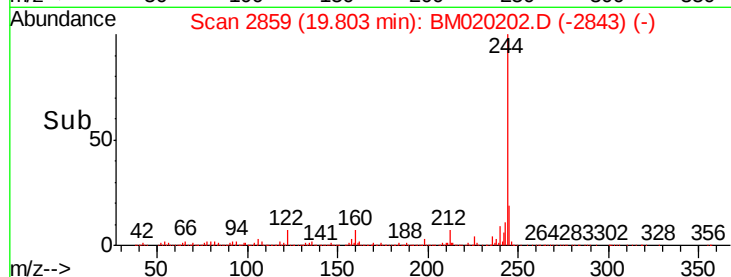
122 7.4 6.2 9.2



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: 9.640 ng

RT: 21.34 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BM020202.D

Acq: 08 May 2019 19:33

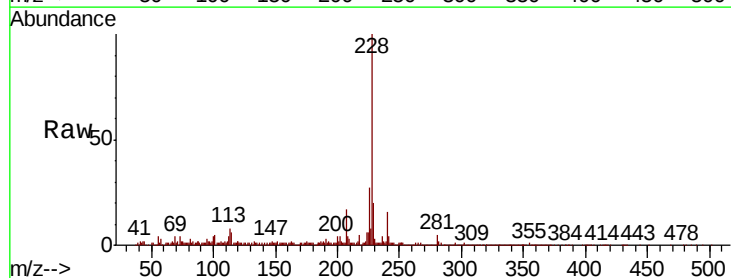
Tgt Ion:228 Resp: 514264

Ion Ratio Lower Upper

228 100

226 27.3 21.3 31.9

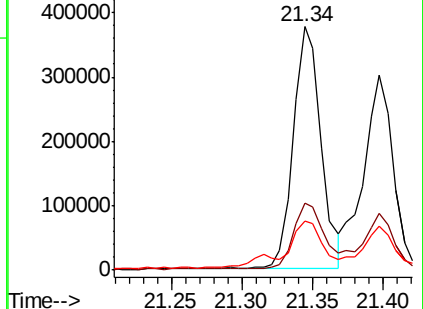
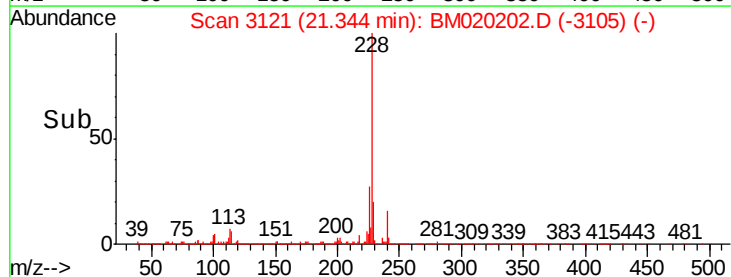
229 20.4 15.5 23.3

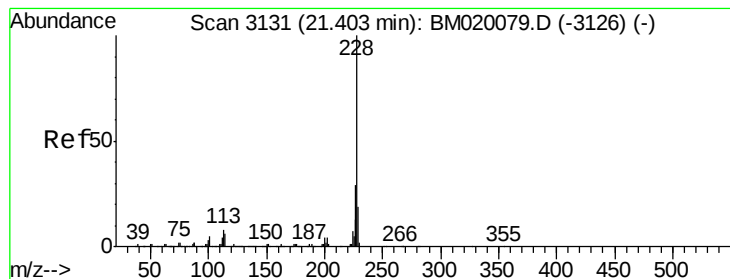


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 8.413 ng

RT: 21.40 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BM020202.D

Acq: 08 May 2019 19:33

Instrument :

BNA_M

ClientSampleId :

CL-02-050719-C

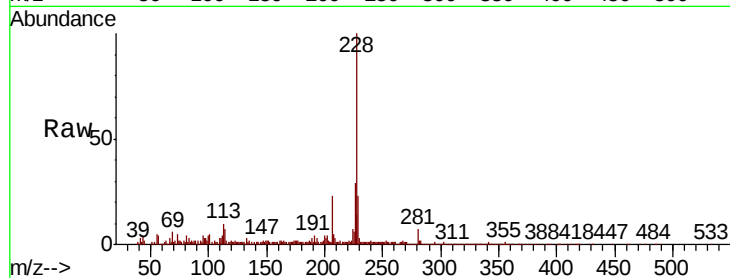
Tgt Ion:228 Resp: 435265

Ion Ratio Lower Upper

228 100

226 29.4 23.0 34.6

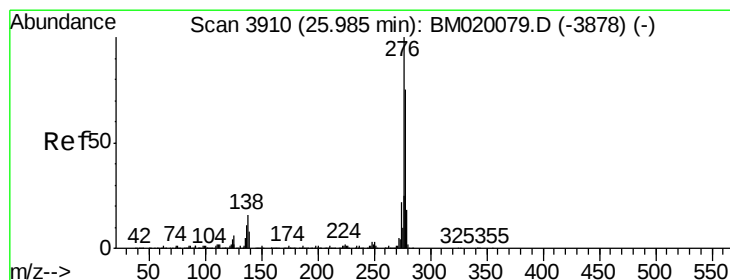
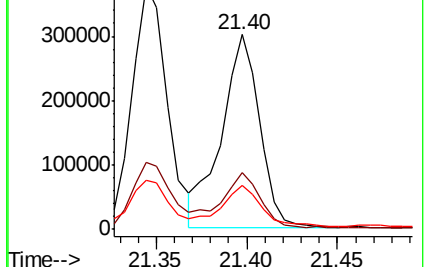
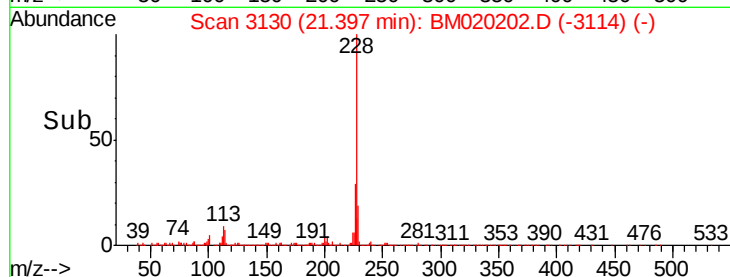
229 22.6 15.5 23.3



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: 4.690 ng

RT: 25.99 min Scan# 3910

Delta R.T. -0.00 min

Lab File: BM020202.D

Acq: 08 May 2019 19:33

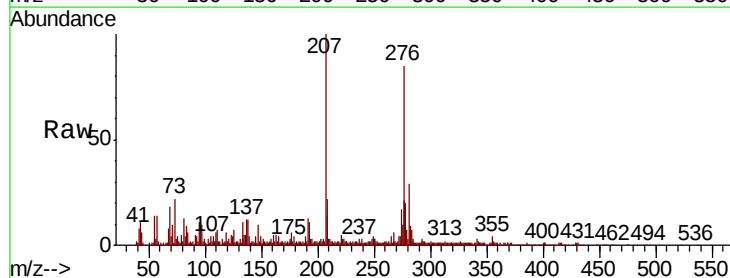
Tgt Ion:276 Resp: 288631

Ion Ratio Lower Upper

276 100

138 14.7 0.0 0.0#

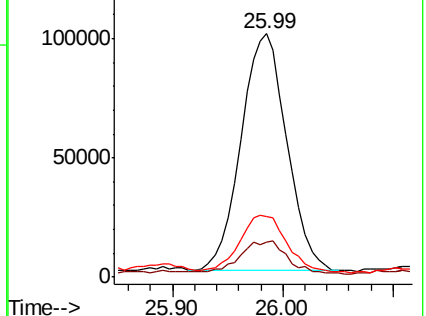
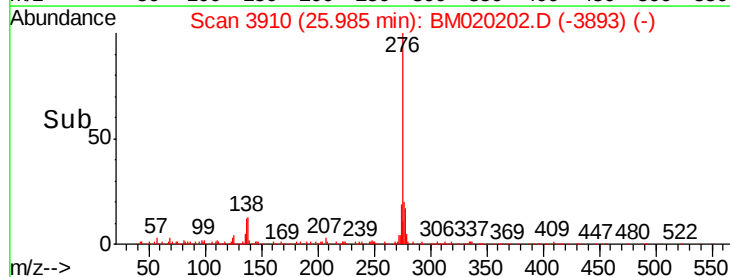
277 24.5 0.0 0.0#

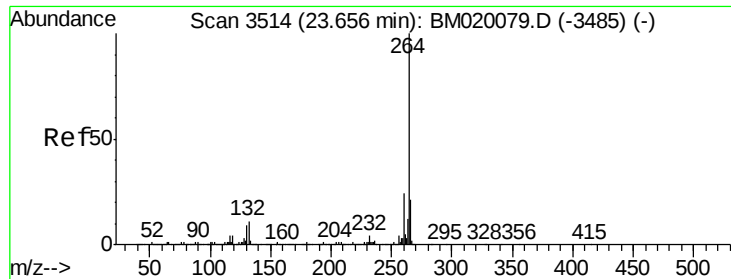


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

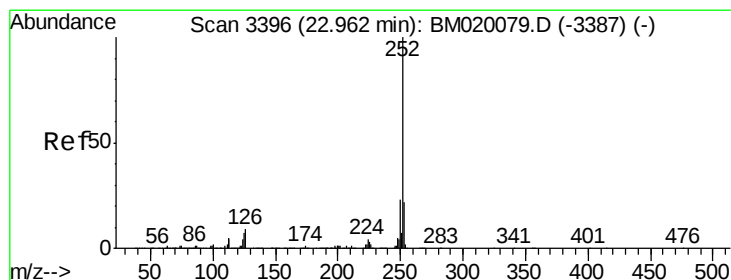
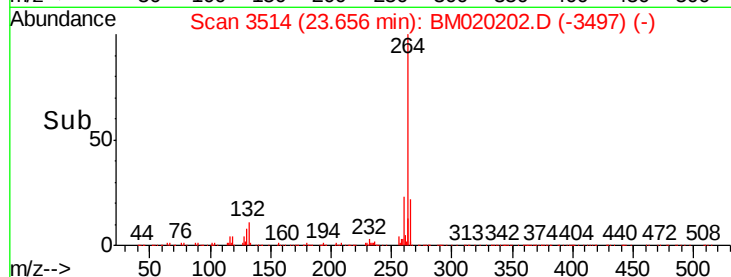
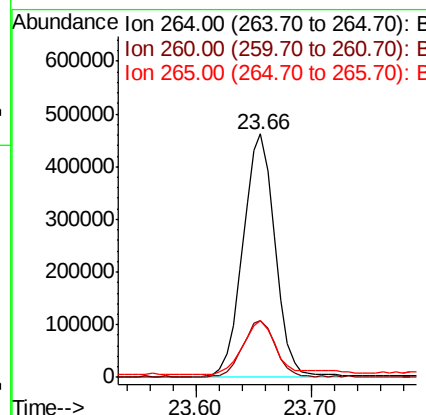
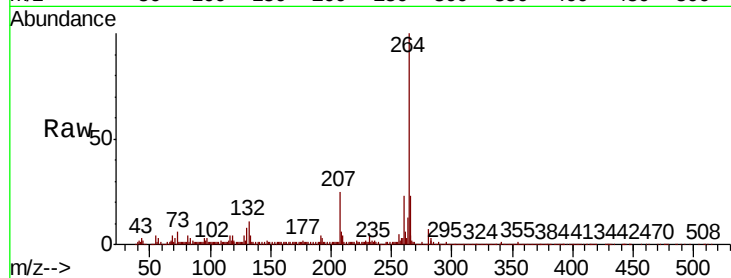




#87
Perylene-d12
Concen: 20.000 ng
RT: 23.66 min Scan# 3514
Delta R.T. -0.00 min
Lab File: BM020202.D
Acq: 08 May 2019 19:33

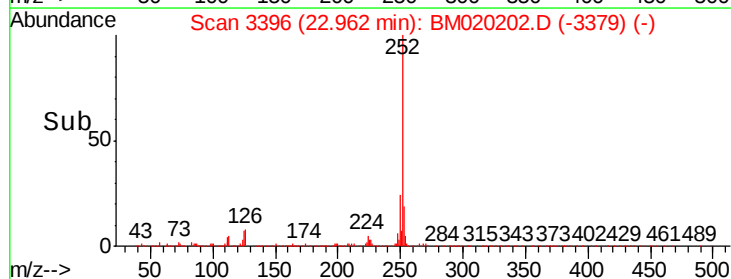
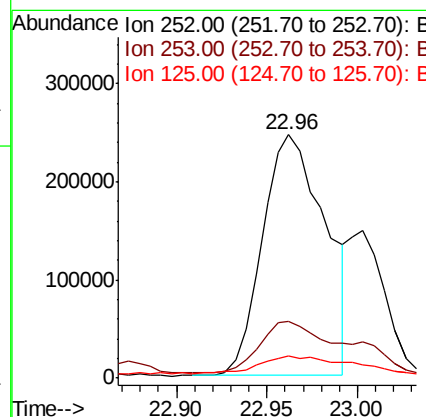
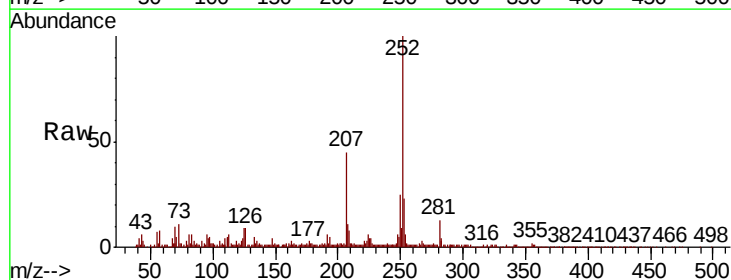
Instrument :
BNA_M
ClientSampleId :
CL-02-050719-C

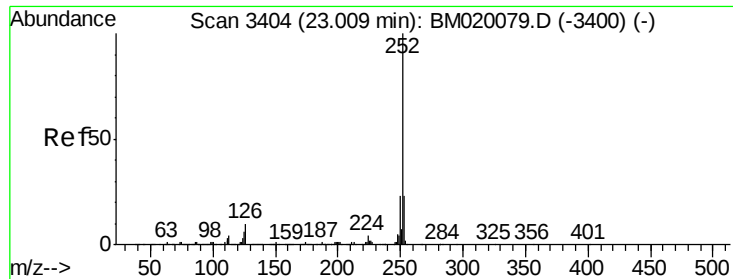
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	23.3	16.9	25.3



#88
Benzo(b)fluoranthene
Concen: 10.139 ng
RT: 22.96 min Scan# 3396
Delta R.T. -0.00 min
Lab File: BM020202.D
Acq: 08 May 2019 19:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	8.9	5.4	8.2#





#89

Benzo(k)fluoranthene

Concen: 11.040 ng

RT: 22.96 min Scan# 3396

Delta R.T. -0.05 min

Lab File: BM020202.D

Acq: 08 May 2019 19:33

Instrument :

BNA_M

ClientSampleId :

CL-02-050719-C

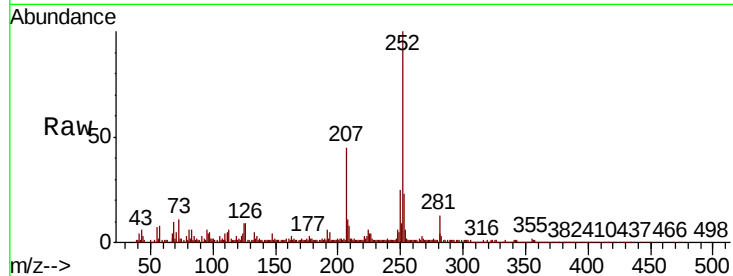
Tgt Ion:252 Resp: 589832

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 8.9 5.4 8.0#

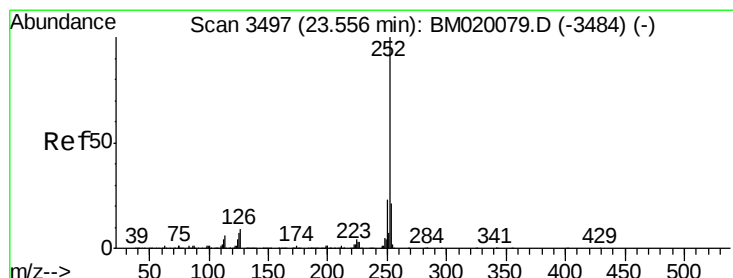
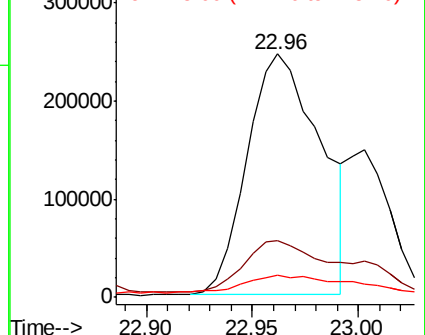
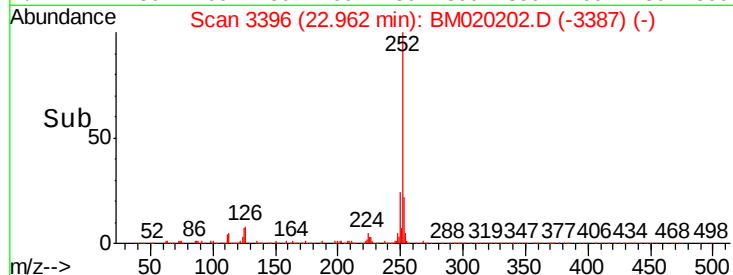


Abundance

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: 8.567 ng

RT: 23.55 min Scan# 3496

Delta R.T. -0.01 min

Lab File: BM020202.D

Acq: 08 May 2019 19:33

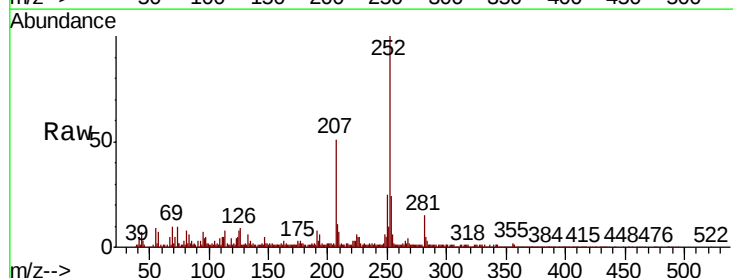
Tgt Ion:252 Resp: 455749

Ion Ratio Lower Upper

252 100

253 23.8 17.0 25.6

125 7.9 5.5 8.3

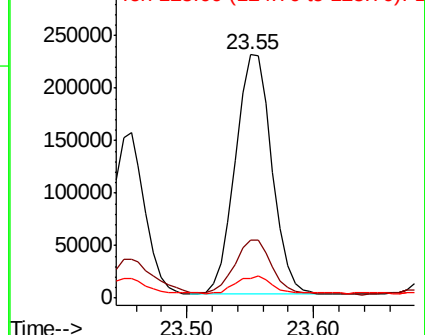
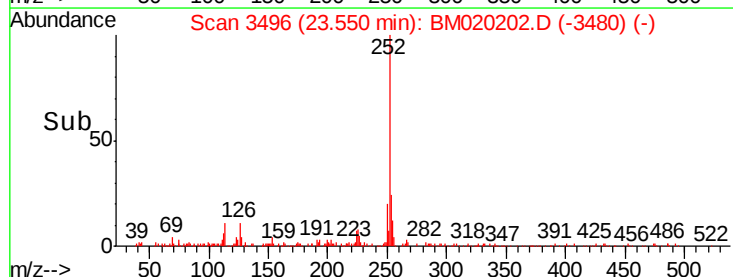


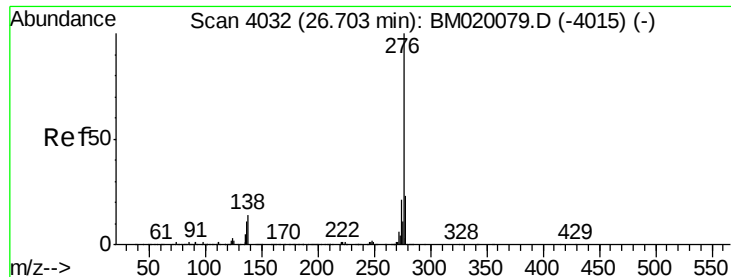
Abundance

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: 5.319 ng

RT: 26.71 min Scan# 4033

Delta R.T. 0.01 min

Lab File: BM020202.D

Acq: 08 May 2019 19:33

Instrument :

BNA_M

ClientSampleId :

CL-02-050719-C

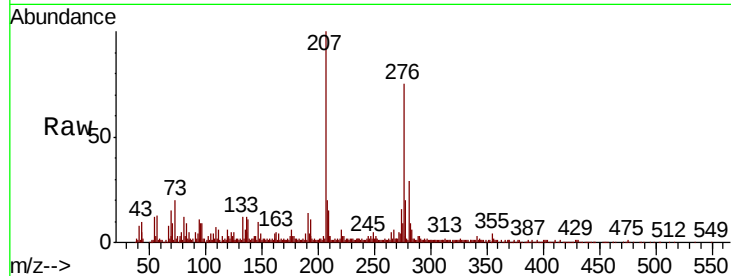
Tgt Ion: 276 Resp: 279407

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

