

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050619\
 Data File : BM020153.D
 Acq On : 07 May 2019 04:38
 Operator : JU/SJ
 Sample : K2672-16 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-08-COMP

Quant Time: May 07 05:27:28 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	202800	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	776651	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	410874	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	810020	20.00	ng	0.00
76) Chrysene-d12	21.37	240	765489	20.00	ng	0.00
87) Perylene-d12	23.66	264	890586	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	270189	21.78	ng	0.00
7) Phenol-d6	6.96	99	398718	23.52	ng	0.00
23) Nitrobenzene-d5	8.96	82	258718	13.15	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	121193	19.00	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	410704	12.30	ng	0.00
79) Terphenyl-d14	19.80	244	428482	9.76	ng	0.00

Target Compounds

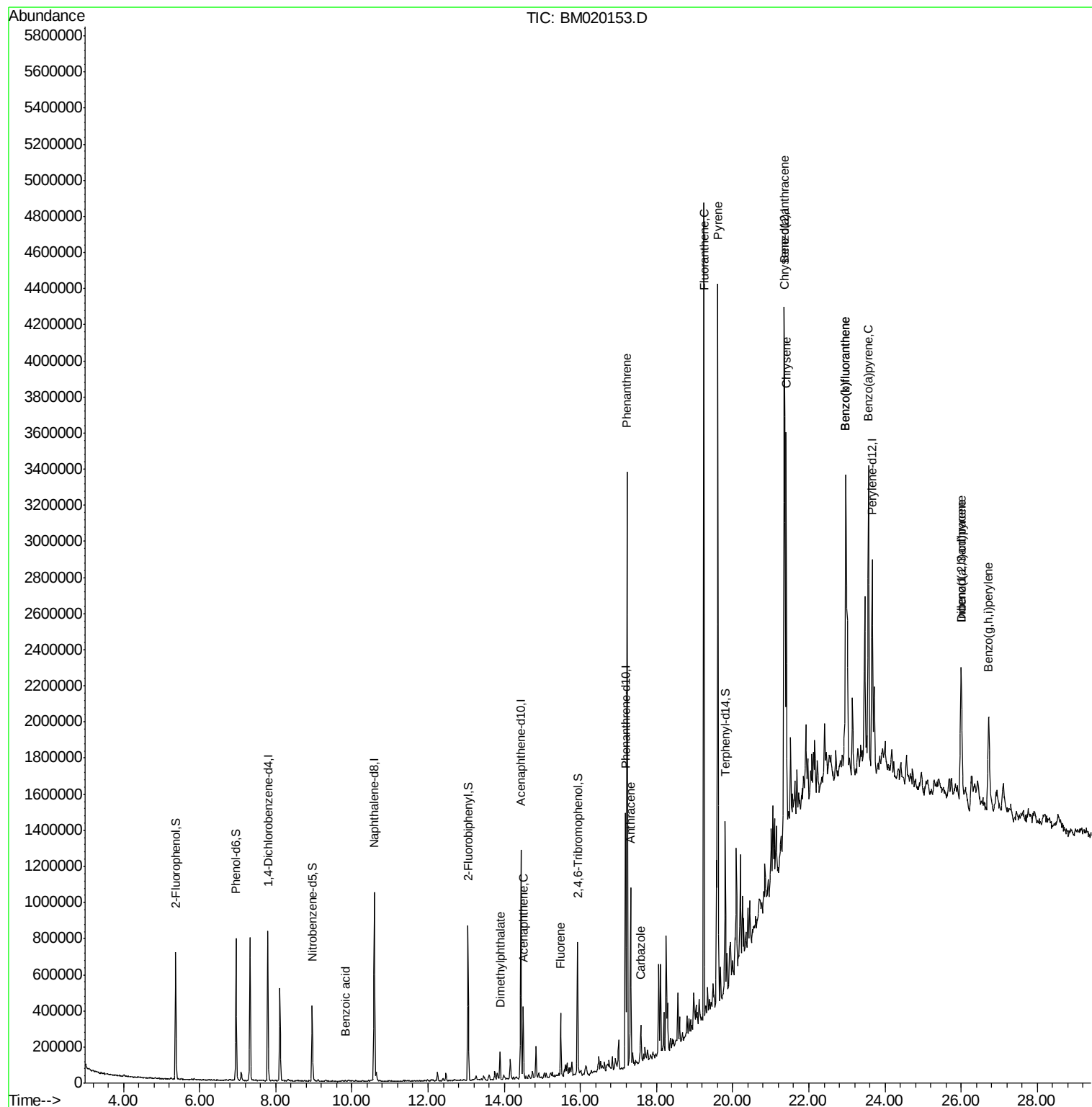
						Qvalue
32) Benzoic acid	9.84	122	335	6.650	ng	# 10
50) Dimethylphthalate	13.89	163	79391	2.273	ng	99
52) Acenaphthene	14.50	154	130747	5.276	ng	98
58) Fluorene	15.48	166	148521	4.326	ng	93
71) Phenanthrene	17.23	178	1821913	40.746	ng	99
72) Anthracene	17.32	178	573278	12.823	ng	98
73) Carbazole	17.59	167	127081	3.150	ng	# 93
75) Fluoranthene	19.25	202	2699296	47.712	ng	100
78) Pyrene	19.61	202	2417728	47.043	ng	99
81) Benzo(a)anthracene	21.35	228	1377718	25.664	ng	97
83) Chrysene	21.40	228	1154889	22.182	ng	97
86) Indeno(1,2,3-cd)pyrene	26.00	276	742739	11.993	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	2071534	35.224	ng	# 98
89) Benzo(k)fluoranthene	22.97	252	2066354	38.519	ng	# 99
90) Benzo(a)pyrene	23.56	252	1196273	22.394	ng	96
91) Dibenzo(a,h)anthracene	26.00	278	204262	3.677	ng	# 83
92) Benzo(g,h,i)perylene	26.73	276	701501	13.301	ng	97

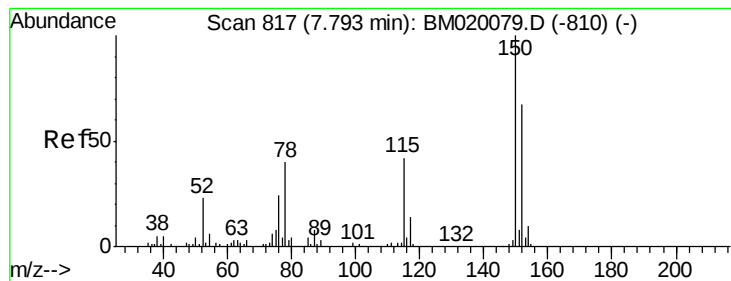
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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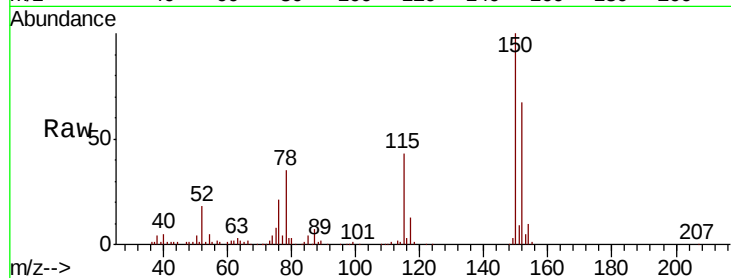


#1

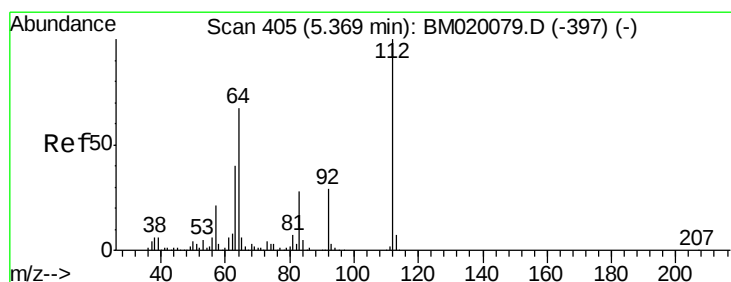
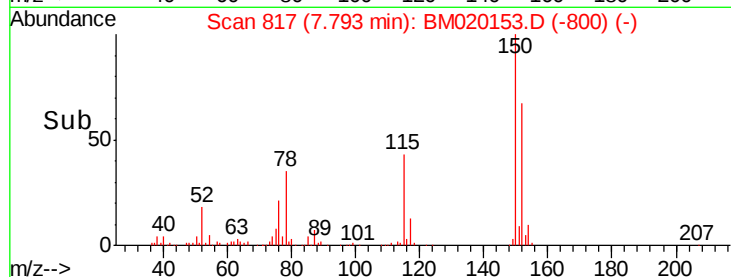
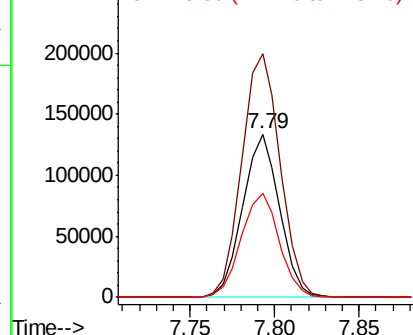
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 817
Delta R.T. 0.00 min
Lab File: BM020153.D
Acq: 07 May 2019 04:38

Instrument :
BNA_M
ClientSampleId :
SB-08-COMP

Tgt Ion:152 Resp: 202800
Ion Ratio Lower Upper
152 100
150 149.4 119.8 179.8
115 64.2 50.8 76.2



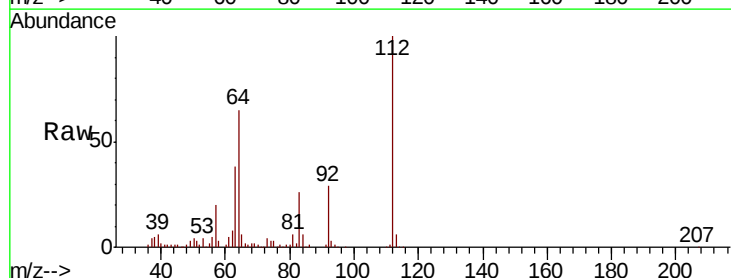
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



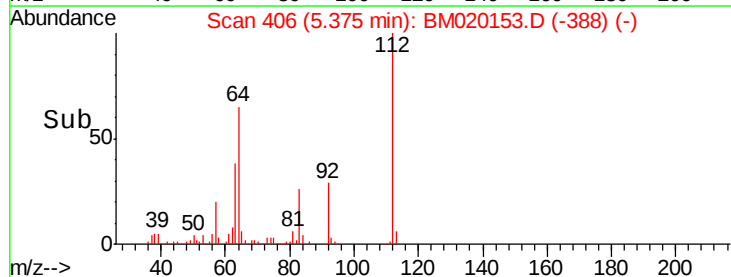
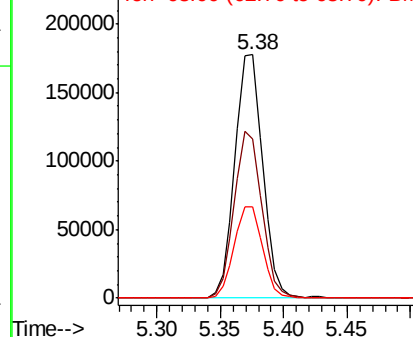
#5

2-Fluorophenol
Concen: 21.778 ng
RT: 5.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: BM020153.D
Acq: 07 May 2019 04:38

Tgt Ion:112 Resp: 270189
Ion Ratio Lower Upper
112 100
64 65.4 53.8 80.6
63 37.7 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: 23.524 ng

RT: 6.96 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

Instrument :

BNA_M

ClientSampleId :

SB-08-COMP

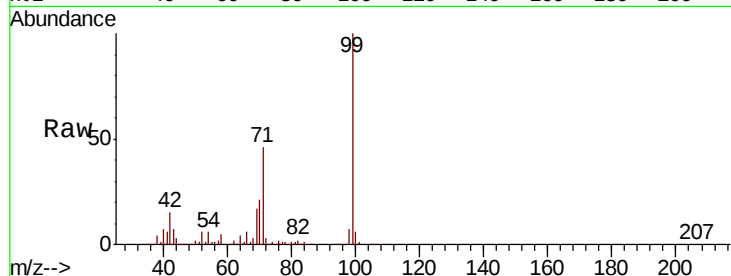
Tgt Ion: 99 Resp: 398718

Ion Ratio Lower Upper

99 100

42 15.0 14.2 21.2

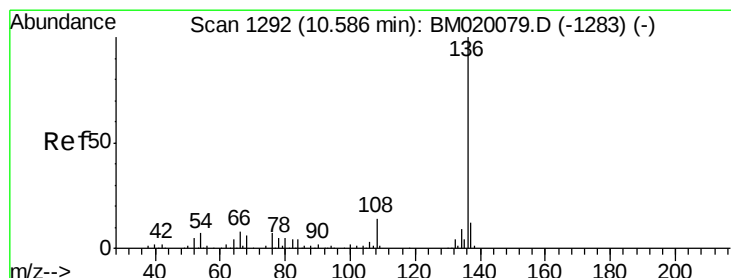
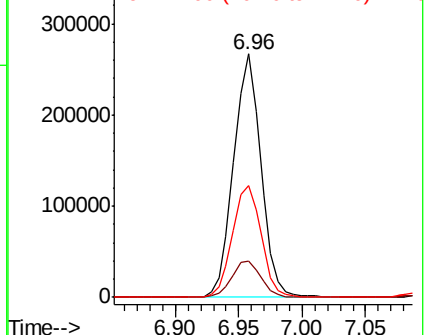
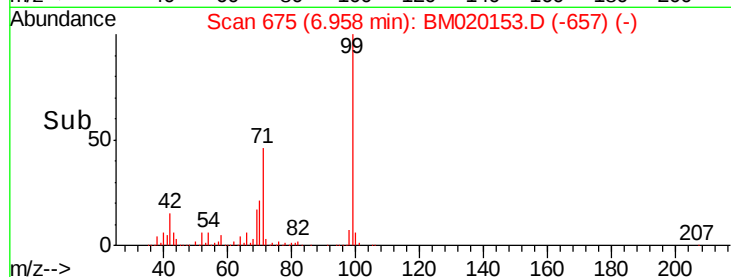
71 45.7 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020079.D (-667) (-)

Ion 42.00 (41.70 to 42.70): BM020079.D (-667) (-)

Ion 71.00 (70.70 to 71.70): BM020079.D (-667) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.59 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

Tgt Ion: 136 Resp: 776651

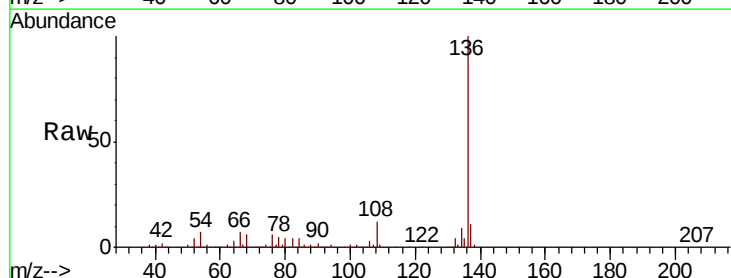
Ion Ratio Lower Upper

136 100

137 11.4 9.6 14.4

54 6.6 5.5 8.3

68 6.4 4.6 6.8

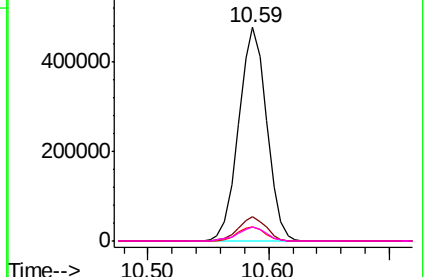
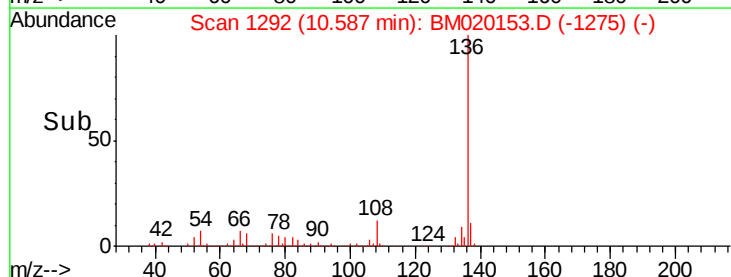


Abundance Ion 136.00 (135.70 to 136.70): BM020079.D (-1283) (-)

Ion 137.00 (136.70 to 137.70): BM020079.D (-1283) (-)

Ion 54.00 (53.70 to 54.70): BM020079.D (-1283) (-)

Ion 68.00 (67.70 to 68.70): BM020079.D (-1283) (-)

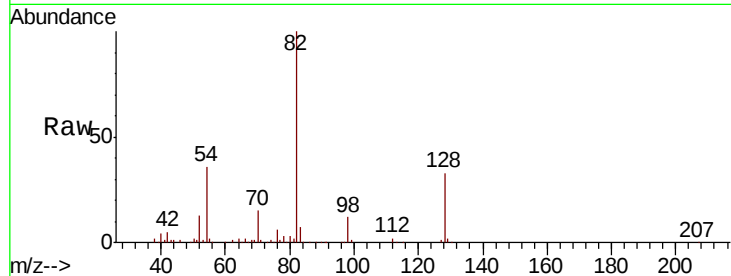




#23
Nitrobenzene-d5
Concen: 13.152 ng
RT: 8.96 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BM020153.D
Acq: 07 May 2019 04:38

Instrument :
BNA_M
ClientSampleId :
SB-08-COMP

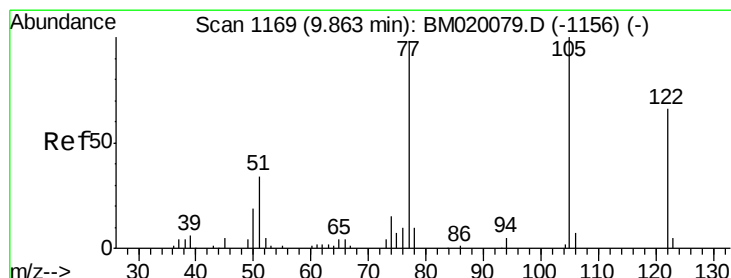
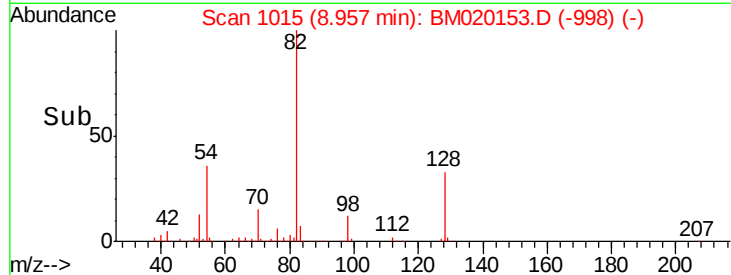
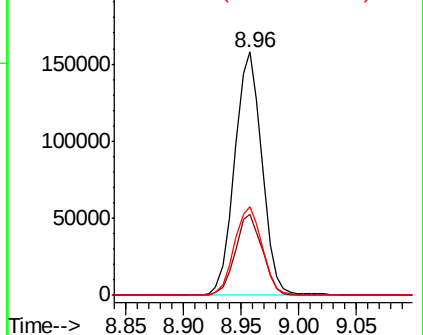
Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.3	25.2	37.8
54	36.2	31.9	47.9



Abundance Ion 82.00 (81.70 to 82.70): BM020153.D (-998) (-)

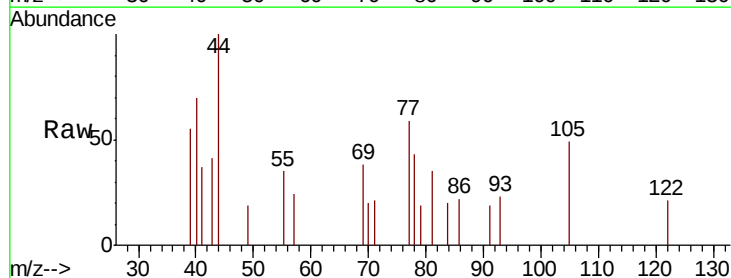
Ion 128.00 (127.70 to 128.70): BM020153.D (-998) (-)

Ion 54.00 (53.70 to 54.70): BM020153.D (-998) (-)



#32
Benzoic acid
Concen: 6.650 ng
RT: 9.84 min Scan# 1165
Delta R.T. -0.02 min
Lab File: BM020153.D
Acq: 07 May 2019 04:38

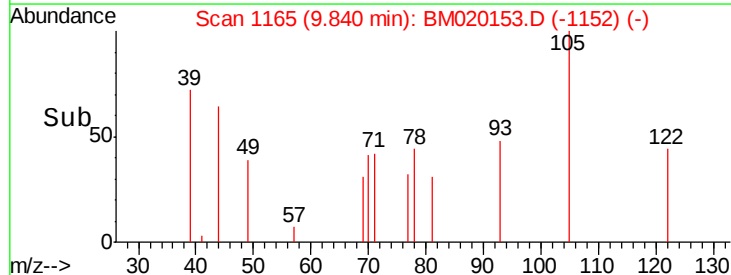
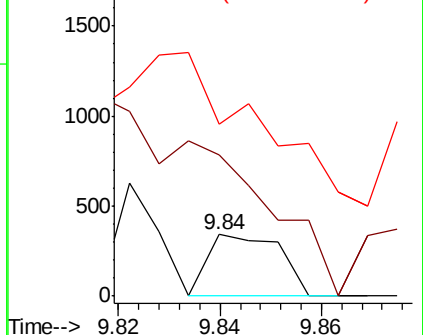
Tgt Ion	Ratio	Lower	Upper
122	100		
105	229.5	122.5	162.5#
77	278.9	123.3	163.3#

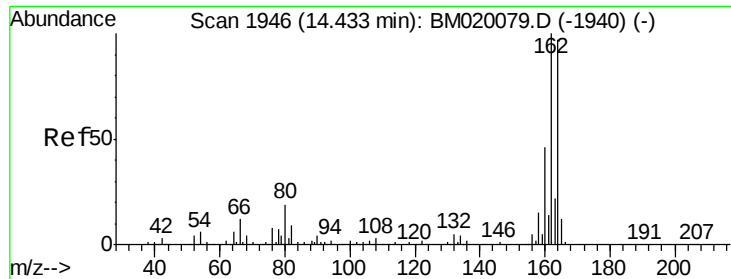


Abundance Ion 122.00 (121.70 to 122.70): BM020153.D (-1152) (-)

Ion 105.00 (104.70 to 105.70): BM020153.D (-1152) (-)

Ion 77.00 (76.70 to 77.70): BM020153.D (-1152) (-)





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.43 min Scan# 1946

Delta R.T. 0.00 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

Instrument :

BNA_M

ClientSampleId :

SB-08-COMP

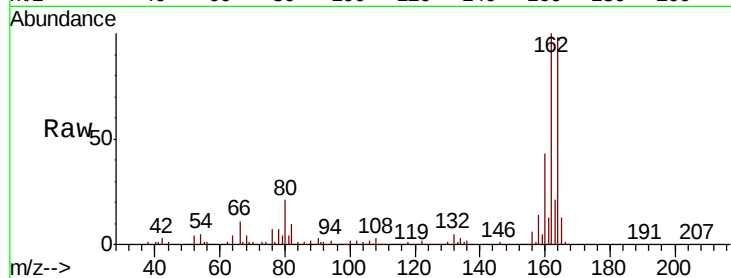
Tgt Ion:164 Resp: 410874

Ion Ratio Lower Upper

164 100

162 102.5 82.2 123.2

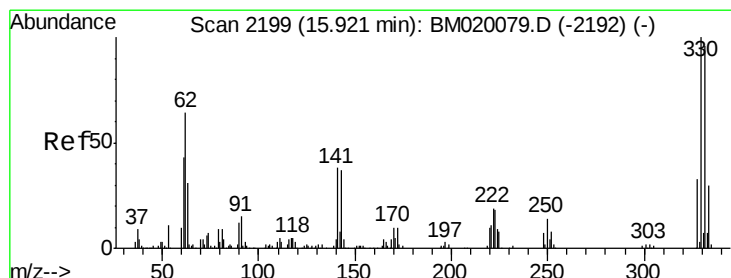
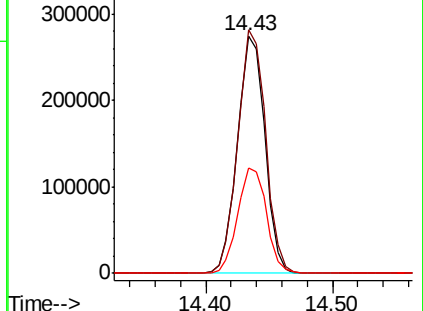
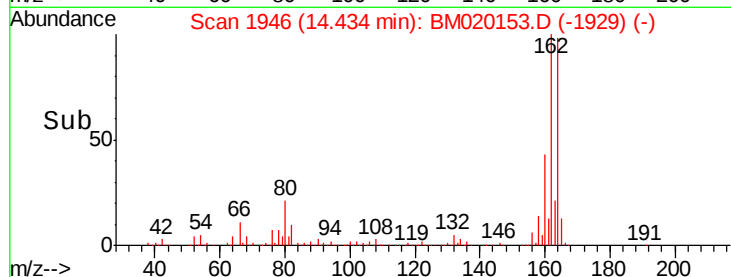
160 44.6 37.6 56.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 19.003 ng

RT: 15.93 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

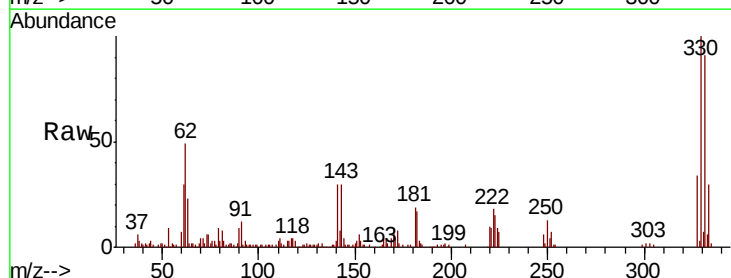
Tgt Ion:330 Resp: 121193

Ion Ratio Lower Upper

330 100

332 94.3 76.8 115.2

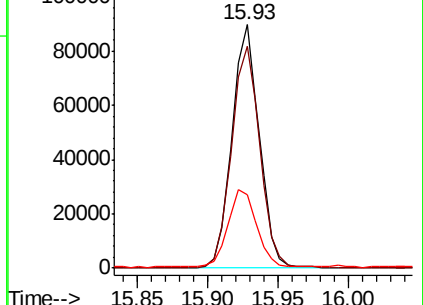
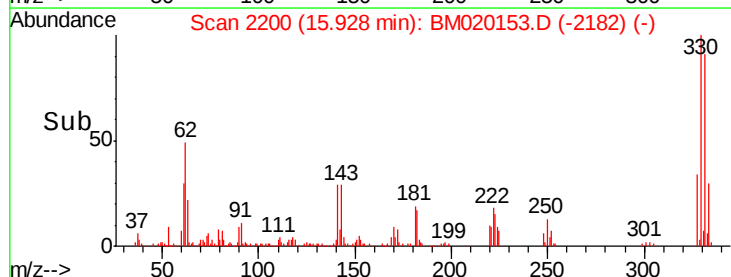
141 35.7 29.2 43.8

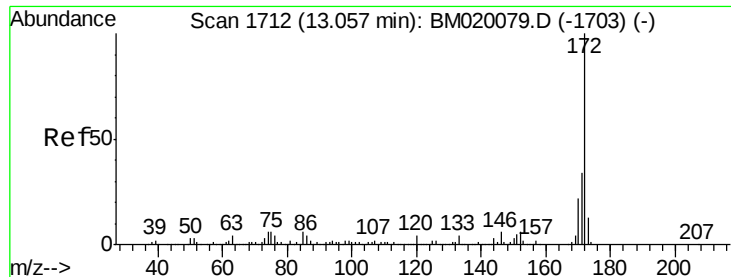


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

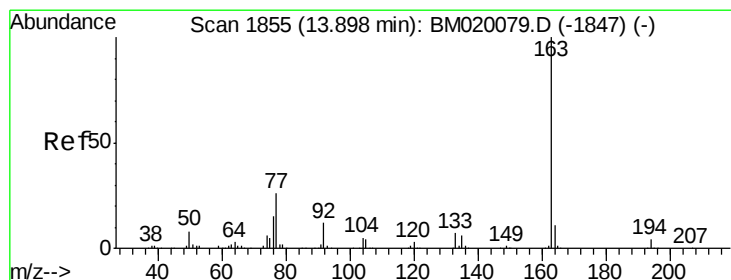
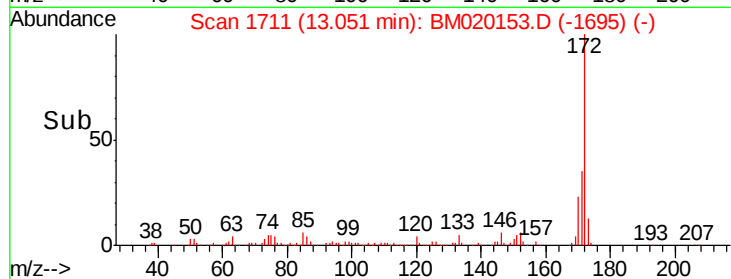
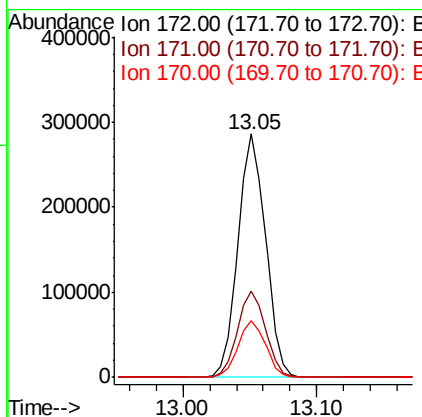
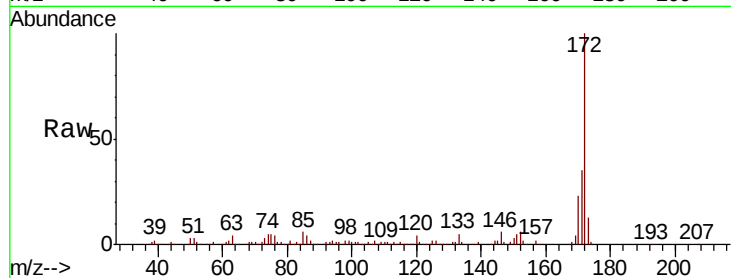




#45
 2-Fluorobiphenyl
 Concen: 12.299 ng
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BM020153.D
 Acq: 07 May 2019 04:38

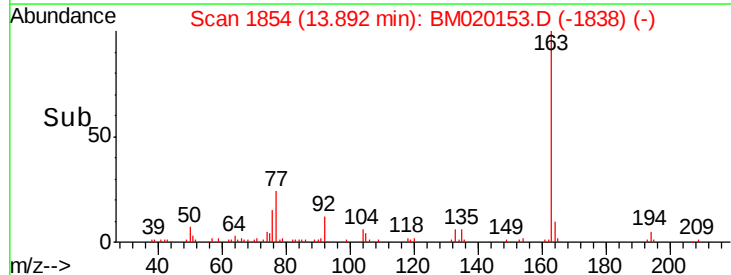
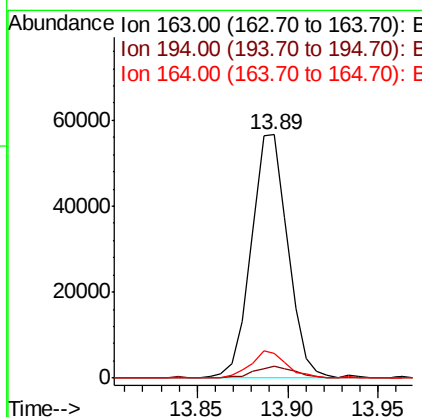
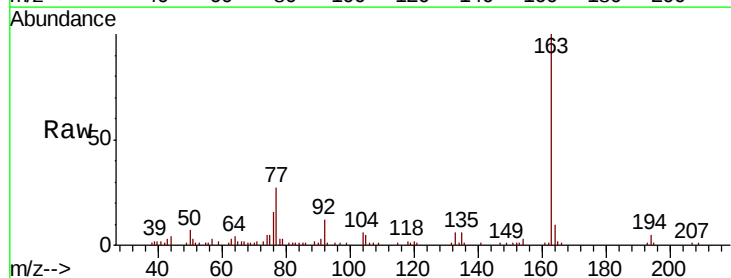
Instrument :
 BNA_M
 ClientSampleId :
 SB-08-COMP

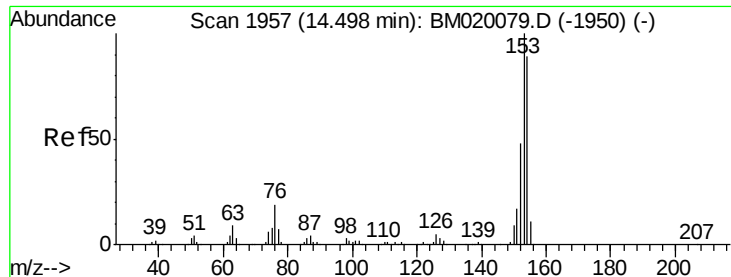
Tgt Ion:172 Resp: 410704
 Ion Ratio Lower Upper
 172 100
 171 35.5 27.3 40.9
 170 23.1 17.9 26.9



#50
 Dimethylphthalate
 Concen: 2.273 ng
 RT: 13.89 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BM020153.D
 Acq: 07 May 2019 04:38

Tgt Ion:163 Resp: 79391
 Ion Ratio Lower Upper
 163 100
 194 4.7 3.6 5.4
 164 10.0 8.4 12.6





#52

Acenaphthene

Concen: 5.276 ng

RT: 14.50 min Scan# 1957

Delta R.T. 0.00 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

Instrument :

BNA_M

ClientSampleId :

SB-08-COMP

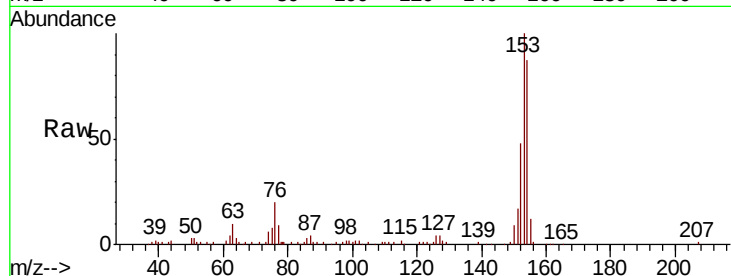
Tgt Ion:154 Resp: 130747

Ion Ratio Lower Upper

154 100

153 115.1 90.2 135.2

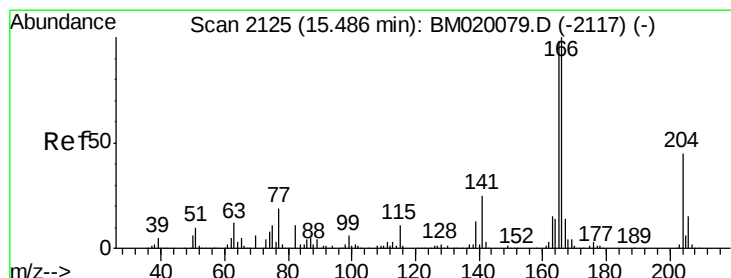
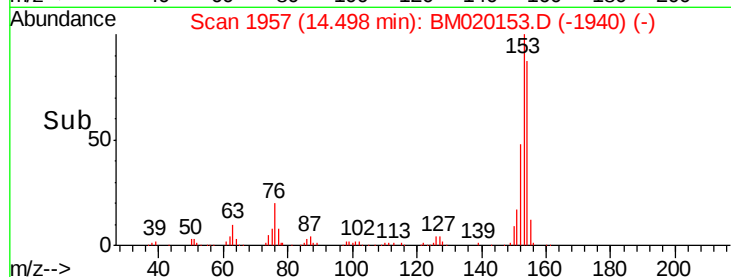
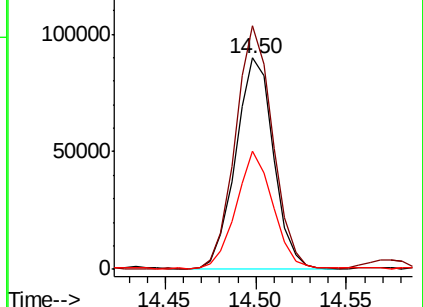
152 55.8 43.0 64.4



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



#58

Fluorene

Concen: 4.326 ng

RT: 15.48 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

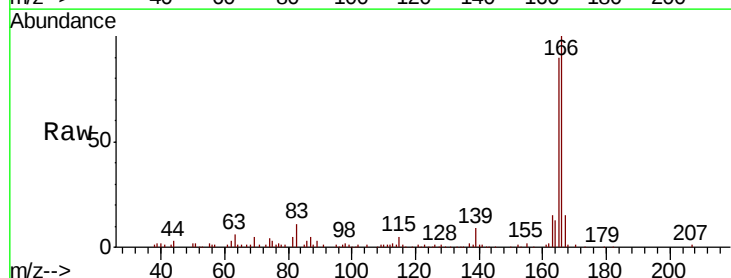
Tgt Ion:166 Resp: 148521

Ion Ratio Lower Upper

166 100

165 90.1 78.2 117.2

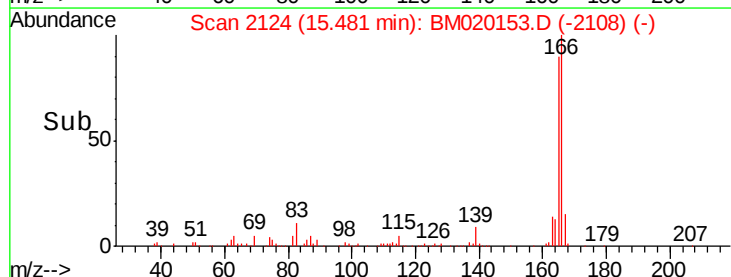
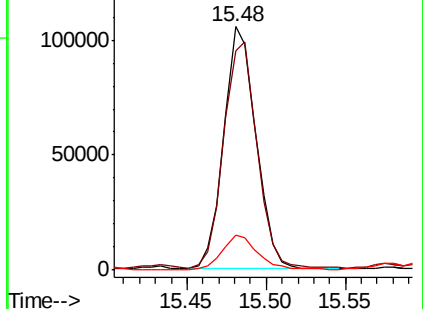
167 14.5 11.0 16.4

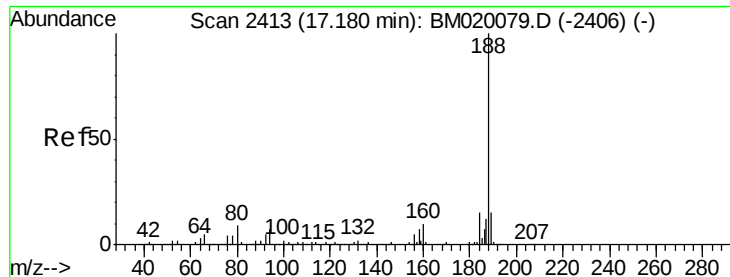


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

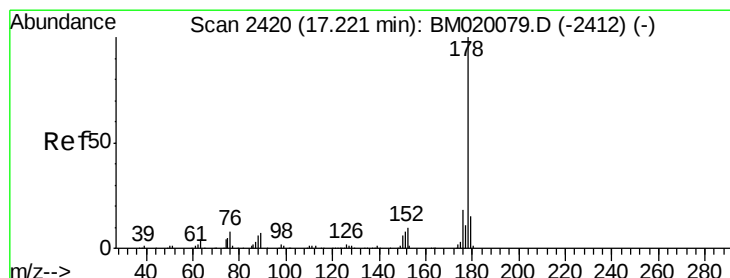
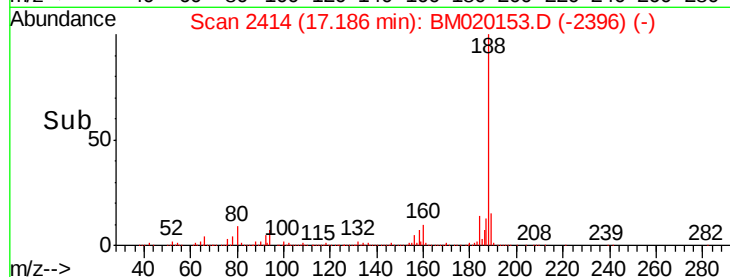
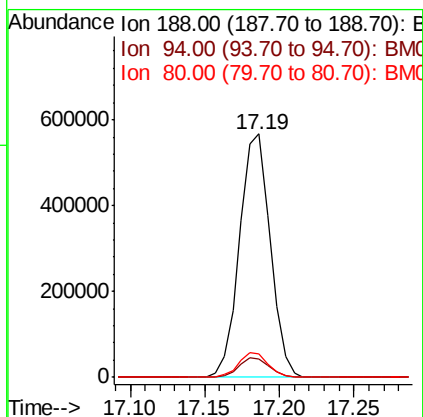
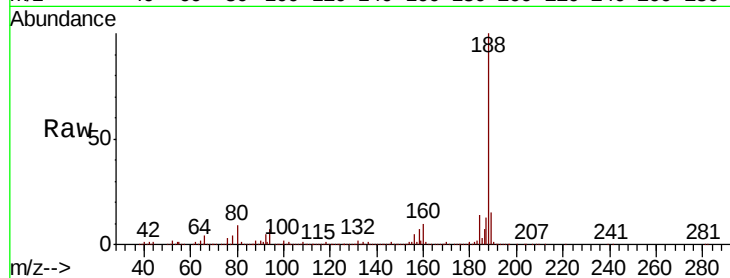




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2414
Delta R.T. 0.01 min
Lab File: BM020153.D
Acq: 07 May 2019 04:38

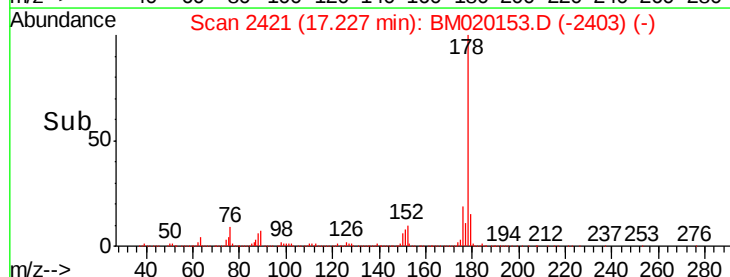
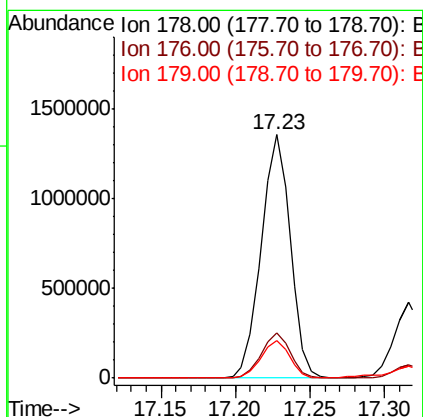
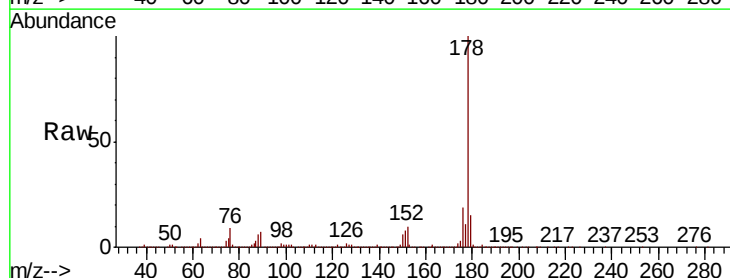
Instrument :
BNA_M
ClientSampleId :
SB-08-COMP

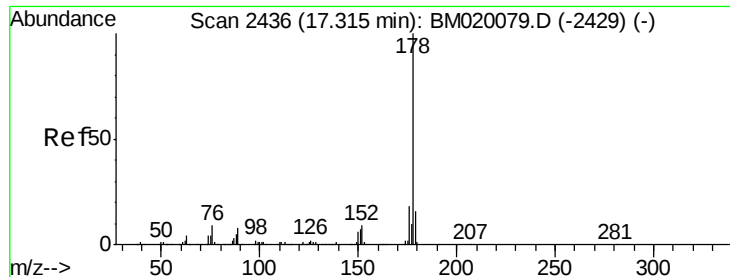
Tgt Ion:188 Resp: 810020
Ion Ratio Lower Upper
188 100
94 7.3 5.8 8.6
80 9.4 7.4 11.2



#71
Phenanthrene
Concen: 40.746 ng
RT: 17.23 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BM020153.D
Acq: 07 May 2019 04:38

Tgt Ion:178 Resp: 1821913
Ion Ratio Lower Upper
178 100
176 18.7 14.6 21.8
179 15.3 12.4 18.6





#72

Anthracene

Concen: 12.823 ng

RT: 17.32 min Scan# 2436

Delta R.T. 0.00 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

Instrument :

BNA_M

ClientSampleId :

SB-08-COMP

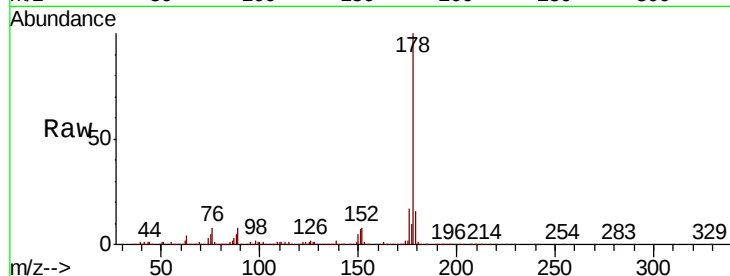
Tgt Ion:178 Resp: 573278

Ion Ratio Lower Upper

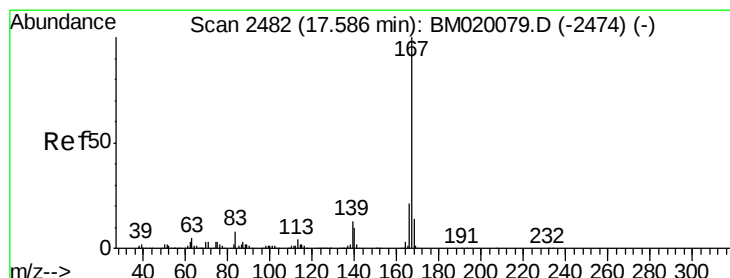
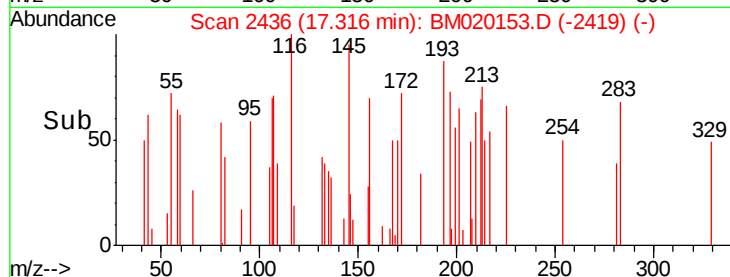
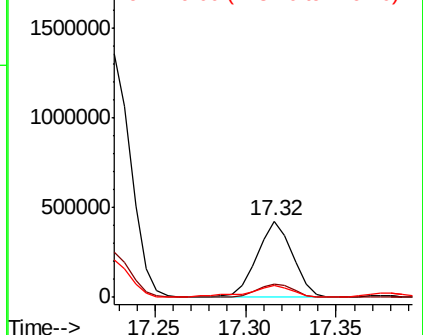
178 100

176 17.1 14.6 22.0

179 16.0 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: 3.150 ng

RT: 17.59 min Scan# 2483

Delta R.T. 0.01 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

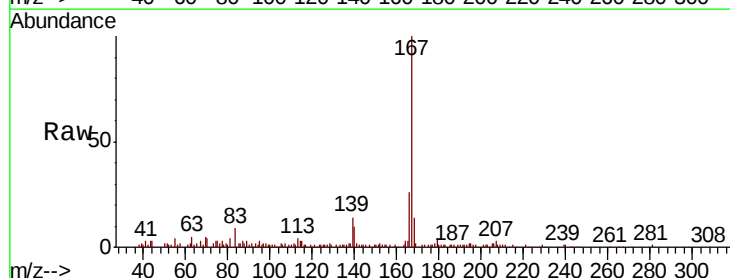
Tgt Ion:167 Resp: 127081

Ion Ratio Lower Upper

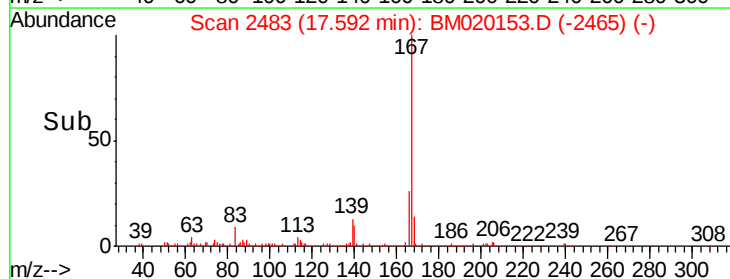
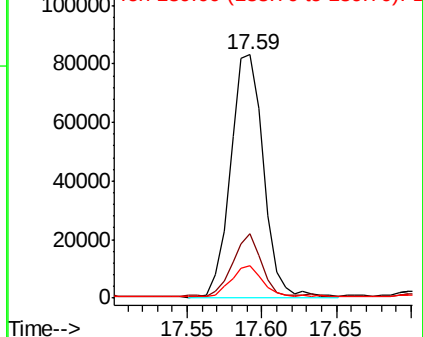
167 100

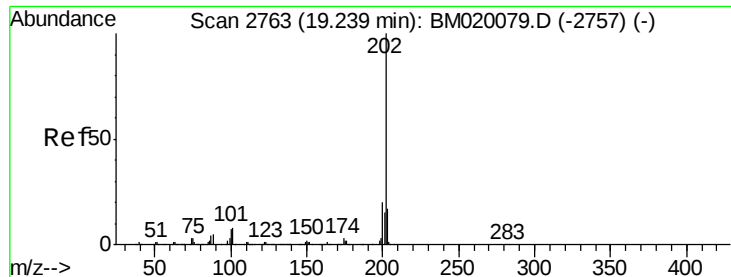
166 26.3 17.0 25.6#

139 13.5 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: 47.712 ng

RT: 19.25 min Scan# 2764

Delta R.T. 0.01 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

Instrument :

BNA_M

ClientSampleId :

SB-08-COMP

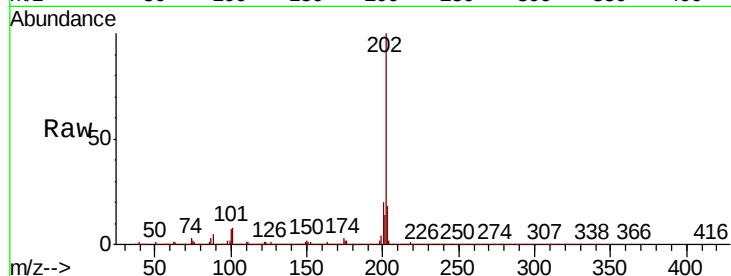
Tgt Ion:202 Resp: 2699296

Ion Ratio Lower Upper

202 100

101 8.4 0.0 28.4

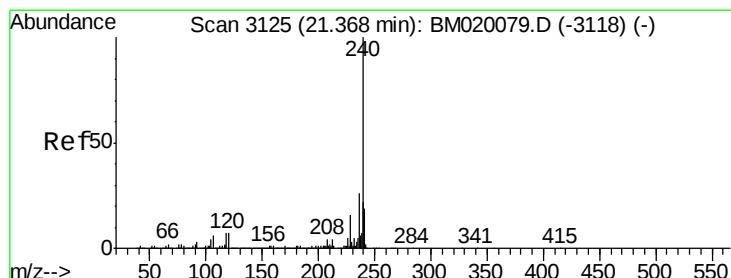
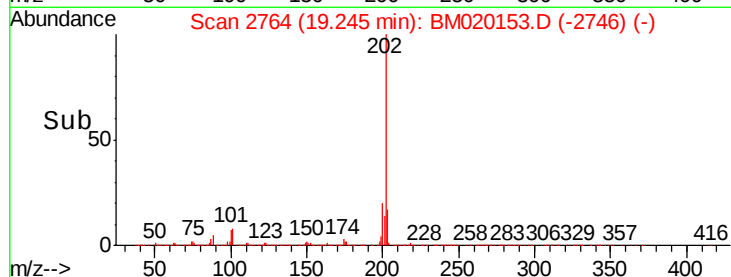
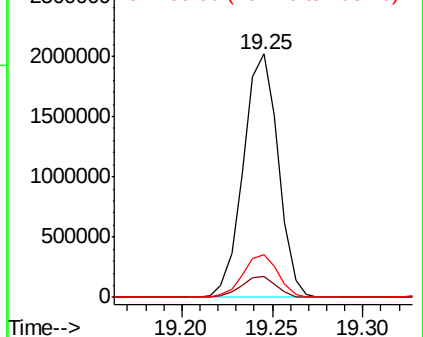
203 17.5 0.0 37.4



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: 21.37 min Scan# 3125

Delta R.T. 0.00 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

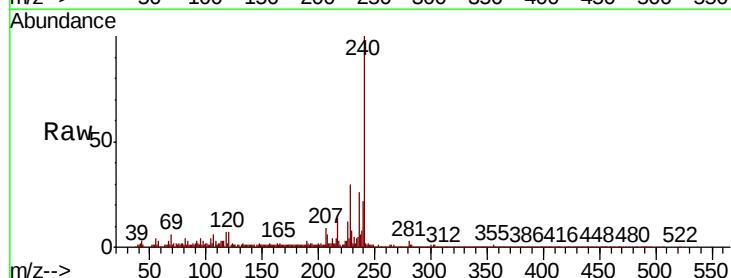
Tgt Ion:240 Resp: 765489

Ion Ratio Lower Upper

240 100

120 7.5 5.6 8.4

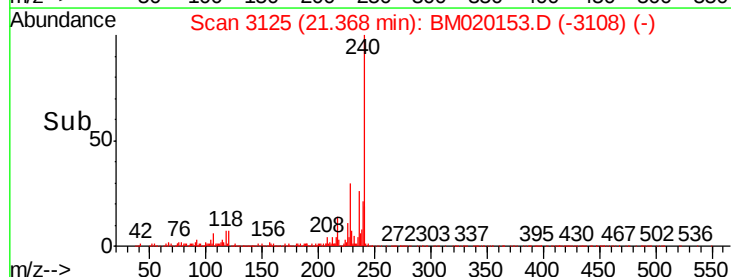
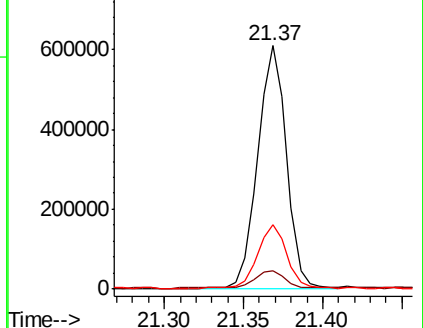
236 26.3 20.9 31.3

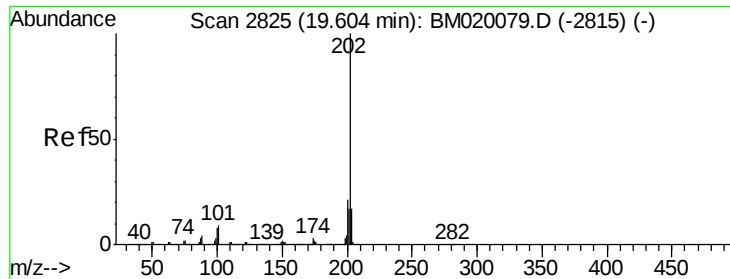


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

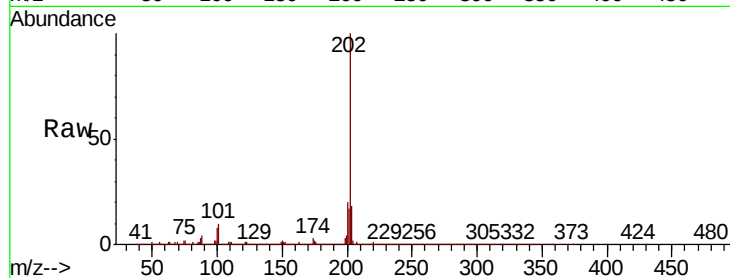




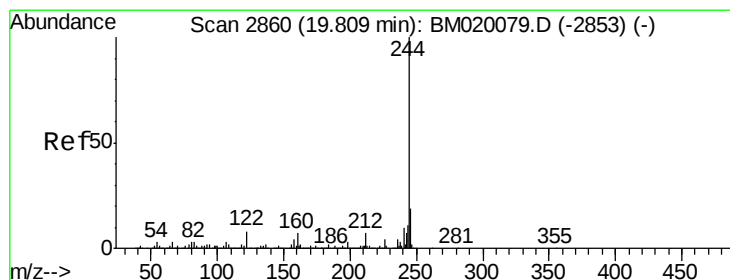
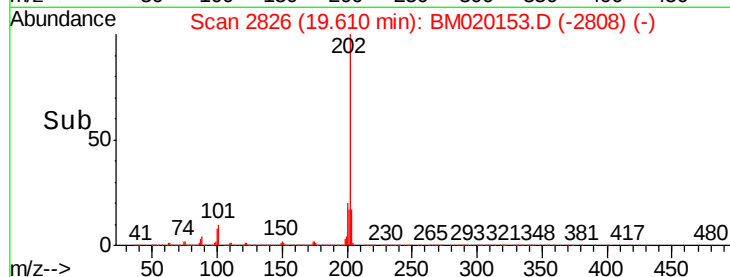
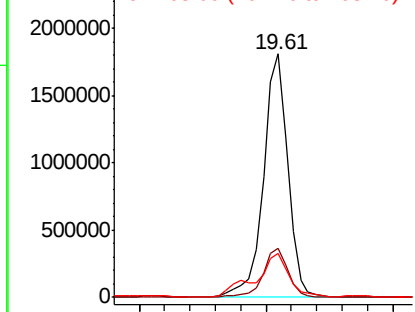
#78
 Pyrene
 Concen: 47.043 ng
 RT: 19.61 min Scan# 2826
 Delta R.T. 0.01 min
 Lab File: BM020153.D
 Acq: 07 May 2019 04:38

Instrument :
 BNA_M
 ClientSampleId :
 SB-08-COMP

Tgt Ion:202 Resp: 2417728
 Ion Ratio Lower Upper
 202 100
 200 20.2 16.5 24.7
 203 17.9 13.9 20.9

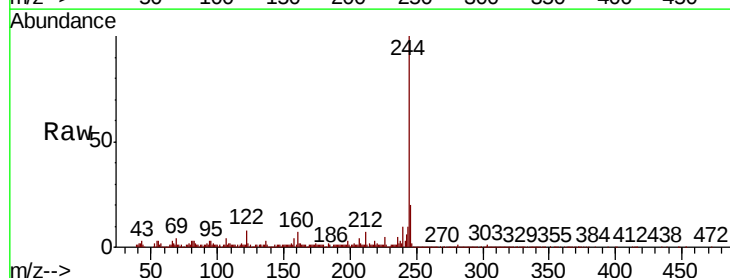


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

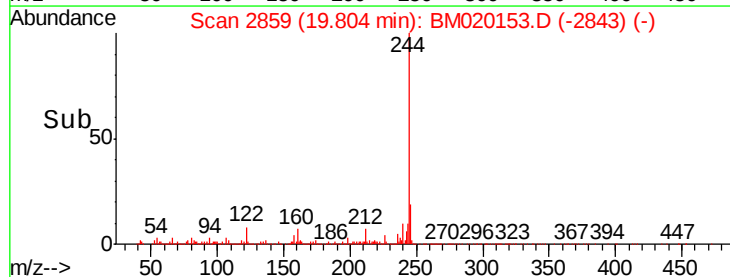
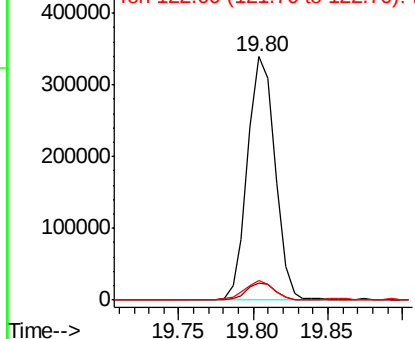


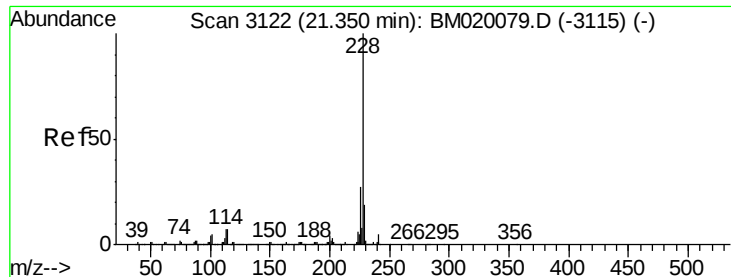
#79
 Terphenyl-d14
 Concen: 9.763 ng
 RT: 19.80 min Scan# 2859
 Delta R.T. -0.01 min
 Lab File: BM020153.D
 Acq: 07 May 2019 04:38

Tgt Ion:244 Resp: 428482
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 8.2 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: 25.664 ng

RT: 21.35 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

Instrument :

BNA_M

ClientSampleId :

SB-08-COMP

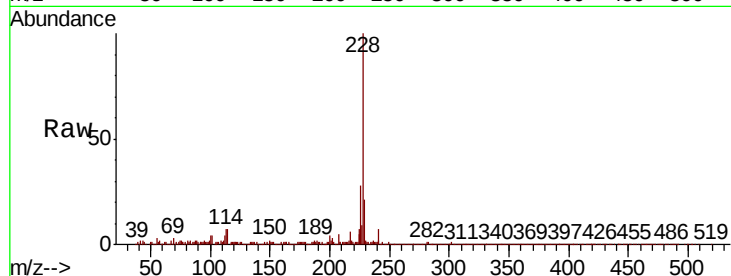
Tgt Ion:228 Resp: 1377718

Ion Ratio Lower Upper

228 100

226 27.8 21.3 31.9

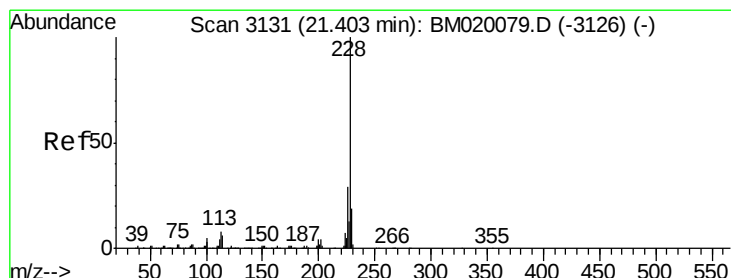
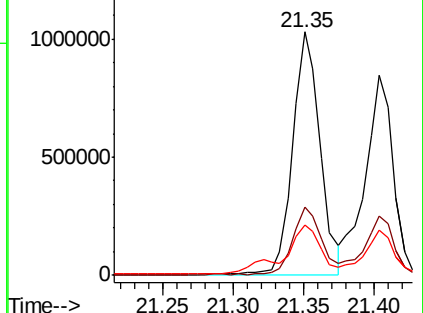
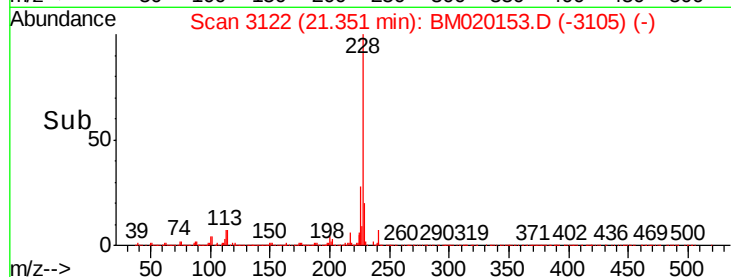
229 20.9 15.5 23.3



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: 22.182 ng

RT: 21.40 min Scan# 3131

Delta R.T. 0.00 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

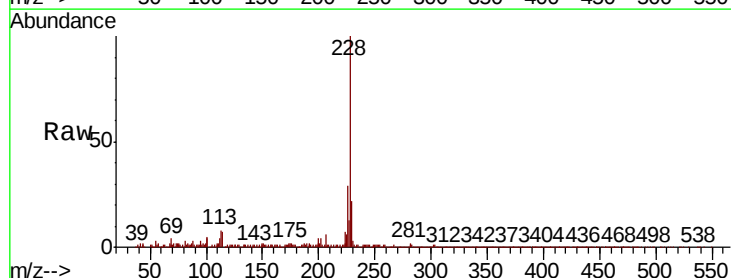
Tgt Ion:228 Resp: 1154889

Ion Ratio Lower Upper

228 100

226 29.5 23.0 34.6

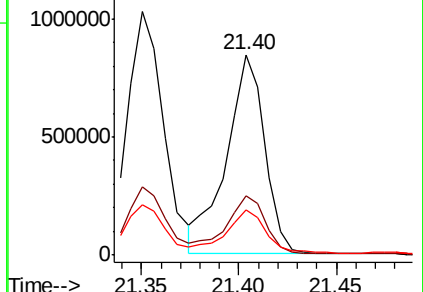
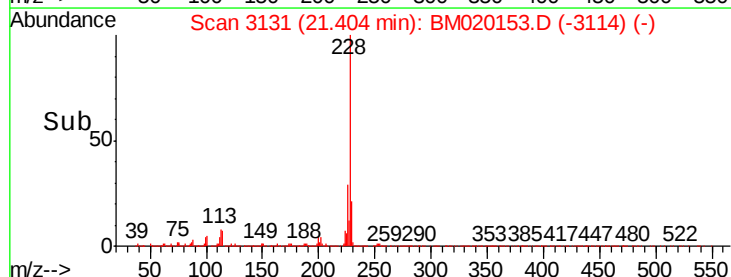
229 22.5 15.5 23.3

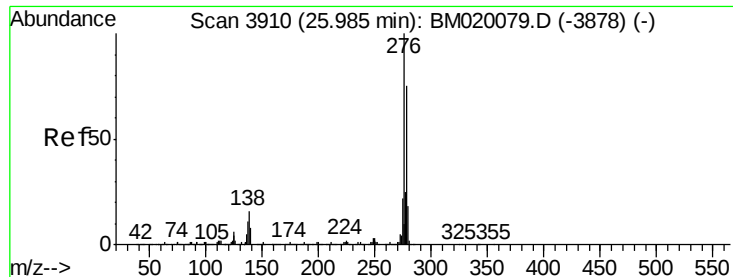


Abundance Ion 228.00 (227.70 to 228.70): E

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: 11.993 ng

RT: 26.00 min Scan# 3912

Delta R.T. 0.01 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

Instrument :

BNA_M

ClientSampleId :

SB-08-COMP

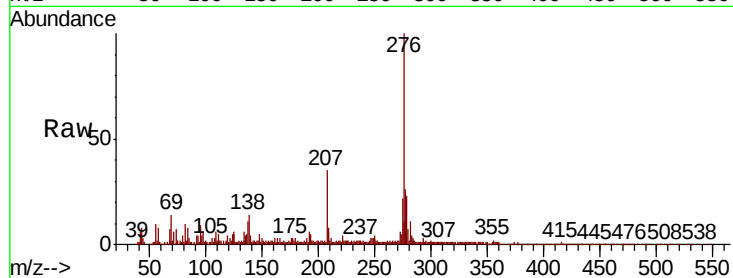
Tgt Ion:276 Resp: 742739

Ion Ratio Lower Upper

276 100

138 14.0 0.0 0.0#

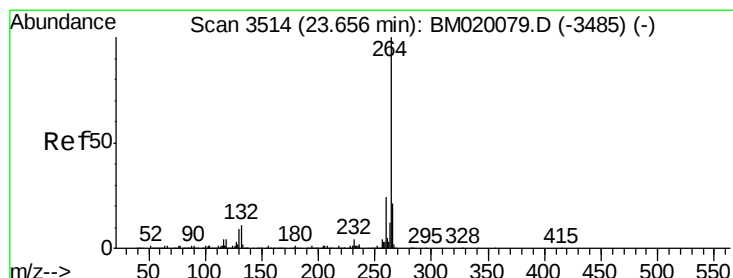
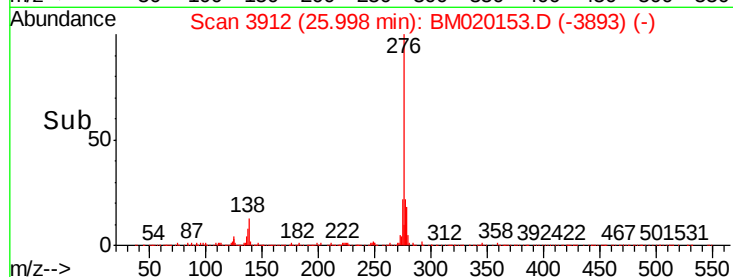
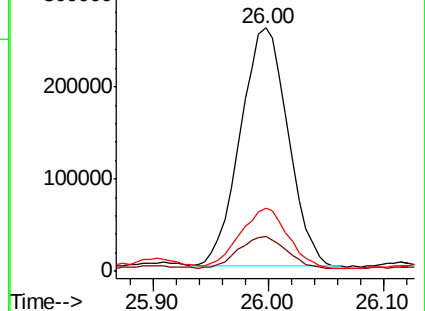
277 25.2 0.0 0.0#



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: BM020153.D

Acq: 07 May 2019 04:38

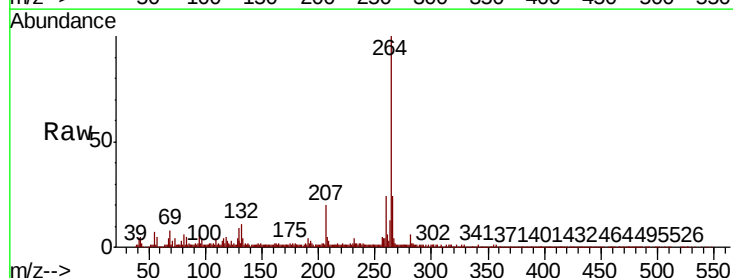
Tgt Ion:264 Resp: 890586

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

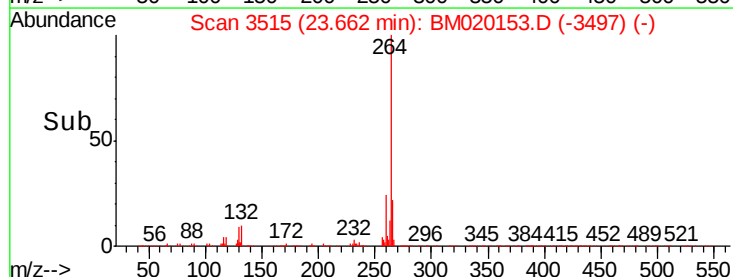
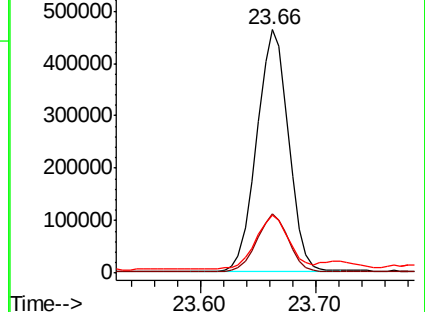
265 23.9 16.9 25.3

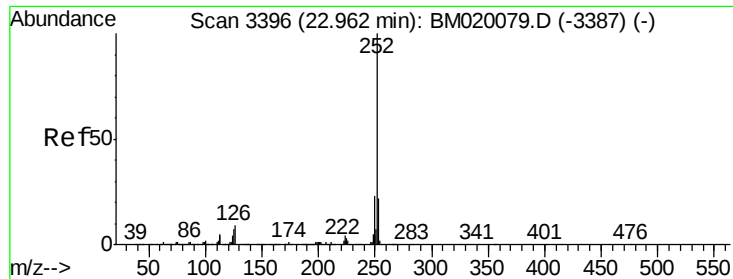


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

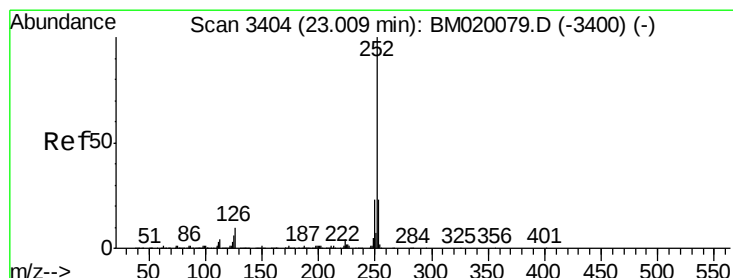
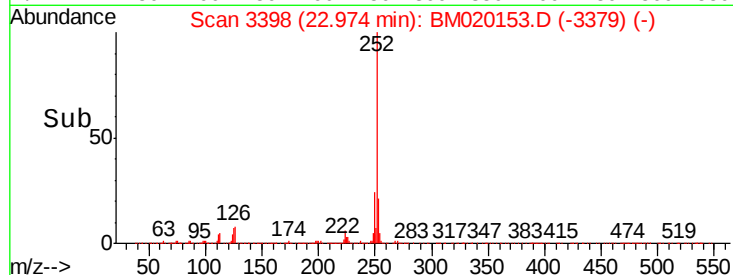
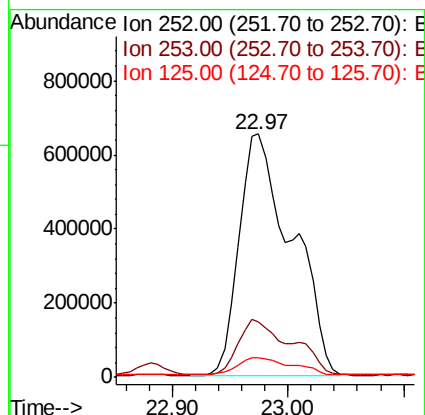
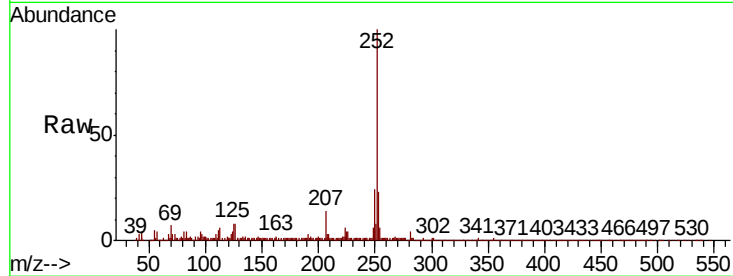




#88
Benzo(b)fluoranthene
Concen: 35.224 ng
RT: 22.97 min Scan# 3398
Delta R.T. 0.01 min
Lab File: BM020153.D
Acq: 07 May 2019 04:38

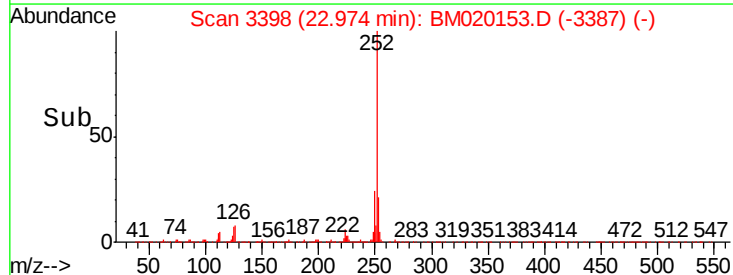
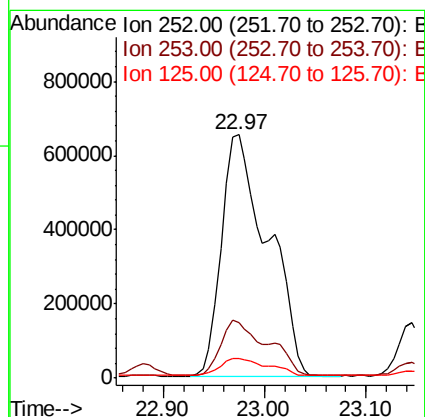
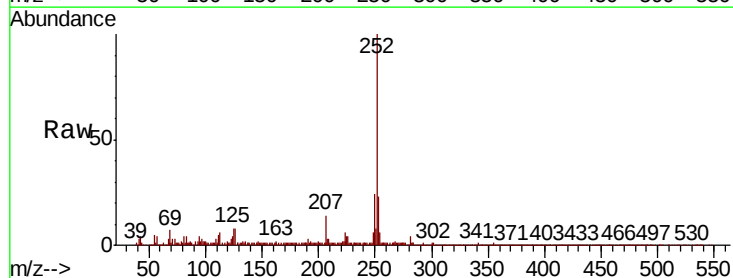
Instrument :
BNA_M
ClientSampleId :
SB-08-COMP

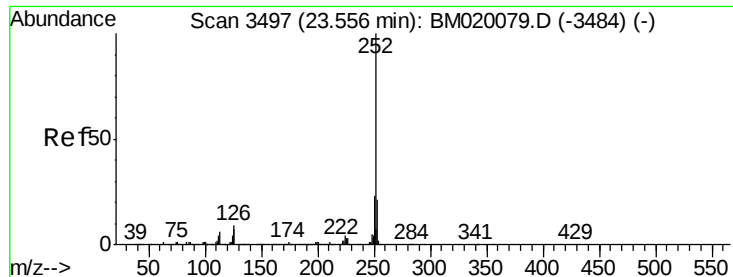
Tgt Ion:252 Resp: 2071534
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 8.2 5.4 8.2#



#89
Benzo(k)fluoranthene
Concen: 38.519 ng
RT: 22.97 min Scan# 3398
Delta R.T. -0.03 min
Lab File: BM020153.D
Acq: 07 May 2019 04:38

Tgt Ion:252 Resp: 2066354
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 8.2 5.4 8.0#





#90

Benzo(a)pyrene

Concen: 22.394 ng

RT: 23.56 min Scan# 3498

Delta R.T. 0.01 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

Instrument :

BNA_M

ClientSampleId :

SB-08-COMP

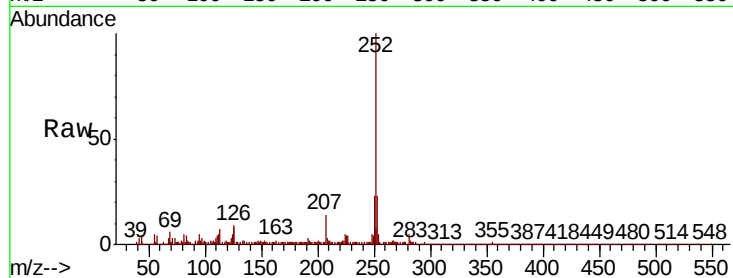
Tgt Ion:252 Resp: 1196273

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

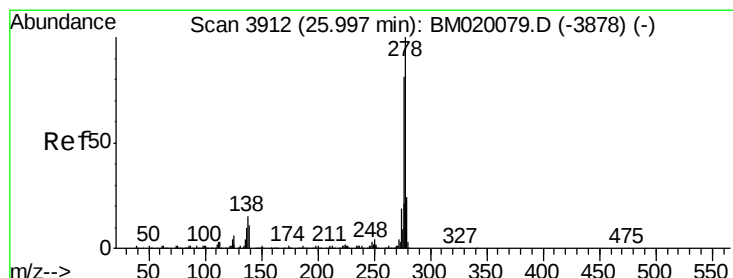
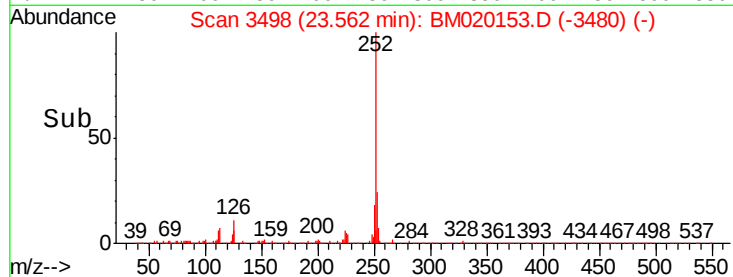
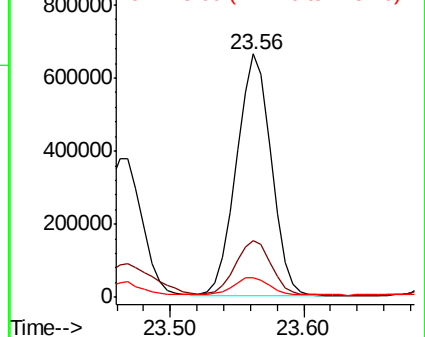
125 8.2 5.5 8.3



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: 3.677 ng

RT: 26.00 min Scan# 3913

Delta R.T. 0.01 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

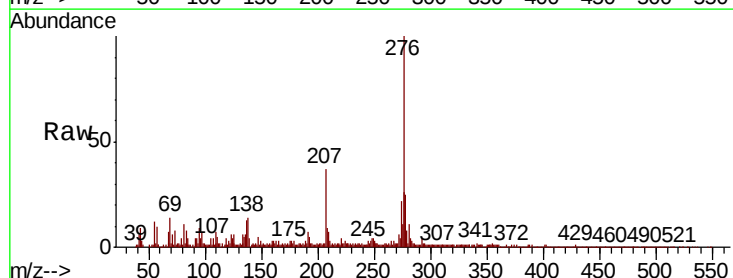
Tgt Ion:278 Resp: 204262

Ion Ratio Lower Upper

278 100

139 16.7 8.6 13.0#

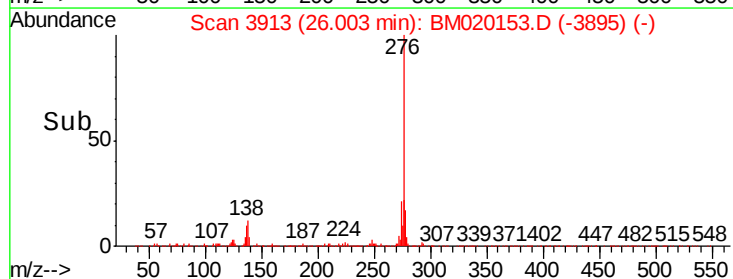
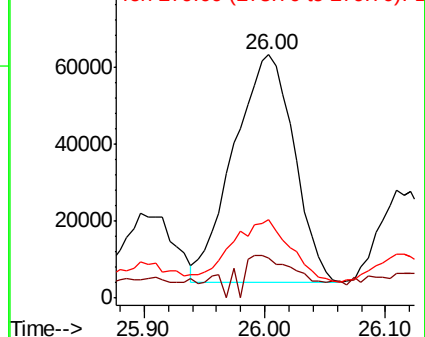
279 32.1 18.8 28.2#

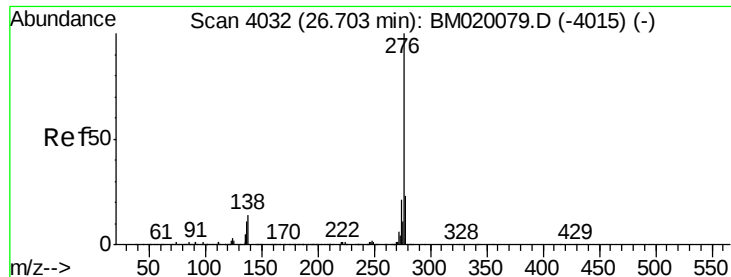


Abundance Ion 278.00 (277.70 to 278.70): E

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: 13.301 ng

RT: 26.73 min Scan# 4036

Delta R.T. 0.02 min

Lab File: BM020153.D

Acq: 07 May 2019 04:38

Instrument :

BNA_M

ClientSampleId :

SB-08-COMP

Tgt Ion:276 Resp: 701501

Ion Ratio Lower Upper

276 100

277 24.9 18.4 27.6

138 14.5 11.1 16.7

