

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050619\
 Data File : BM020154.D
 Acq On : 07 May 2019 05:14
 Operator : JU/SJ
 Sample : K2673-04 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-12-COMP

Quant Time: May 07 06:40:04 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	209138	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	763002	20.00	ng	0.00
39) Acenaphthene-d10	14.43	164	400311	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	821238	20.00	ng	0.00
76) Chrysene-d12	21.37	240	791982	20.00	ng	0.00
87) Perylene-d12	23.66	264	926562	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	178838	13.98	ng	0.00
7) Phenol-d6	6.96	99	262901	15.04	ng	0.00
23) Nitrobenzene-d5	8.96	82	163651	8.47	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	75784	12.20	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	320286	9.84	ng	0.00
79) Terphenyl-d14	19.80	244	366740	8.08	ng	0.00

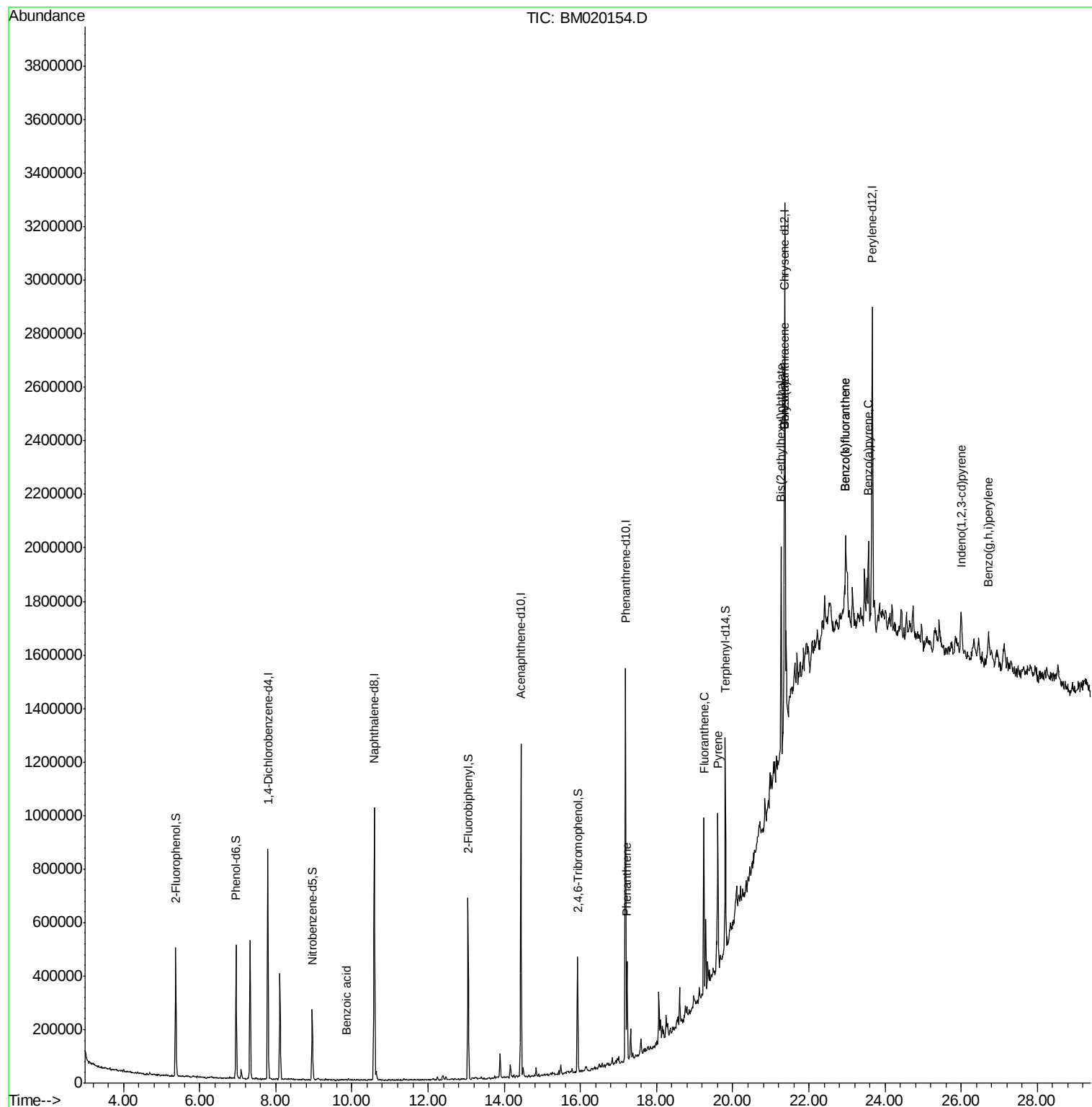
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.85	122	190	6.633	ng	# 69
71) Phenanthrene	17.23	178	209263	4.616	ng	98
75) Fluoranthene	19.24	202	378756	6.603	ng	98
78) Pyrene	19.61	202	341745	6.427	ng	100
81) Benzo(a)anthracene	21.35	228	204719	3.686	ng	95
83) Chrysene	21.35	228	199067	3.696	ng	97
84) Bis(2-ethylhexyl)phthalate	21.27	149	239419	7.979	ng	# 97
86) Indeno(1,2,3-cd)pyrene	26.00	276	159965	2.497	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	280391	4.583	ng	# 87
89) Benzo(k)fluoranthene	22.97	252	278569	4.991	ng	# 88
90) Benzo(a)pyrene	23.56	252	209716	3.773	ng	# 86
92) Benzo(g,h,i)perylene	26.72	276	166087	3.027	ng	92

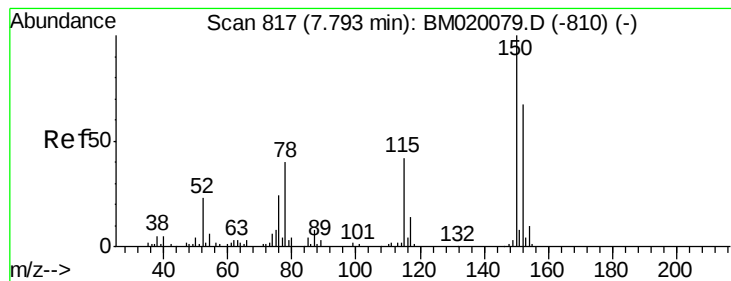
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050619\
Data File : BM020154.D
Acq On : 07 May 2019 05:14
Operator : JU/SJ
Sample : K2673-04 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-12-COMP

Quant Time: May 07 06:40:04 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



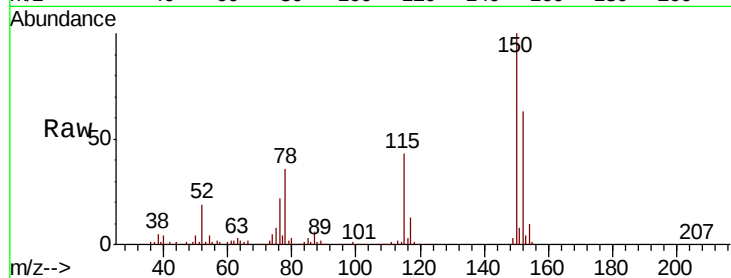


#1

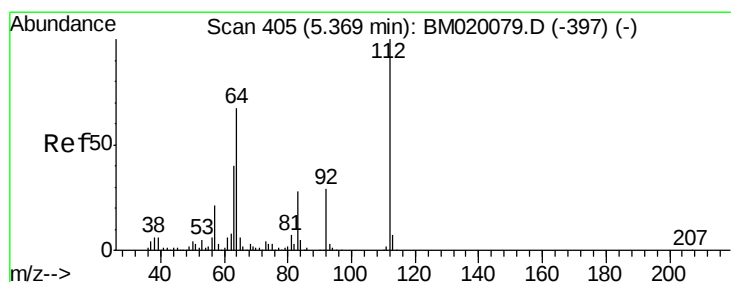
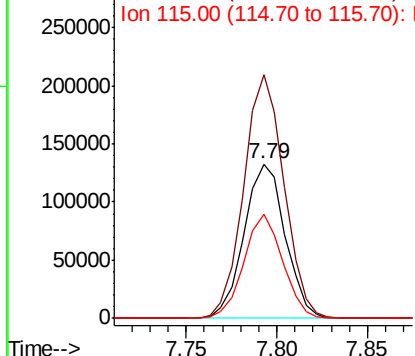
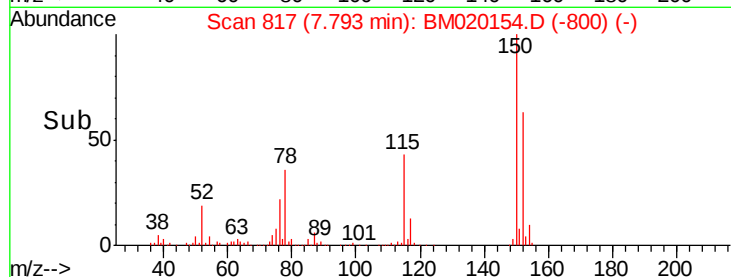
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 817
Delta R.T. 0.00 min
Lab File: BM020154.D
Acq: 07 May 2019 05:14

Instrument :
BNA_M
ClientSampleId :
SB-12-COMP

Tgt Ion:152 Resp: 209138
Ion Ratio Lower Upper
152 100
150 157.6 119.8 179.8
115 67.6 50.8 76.2



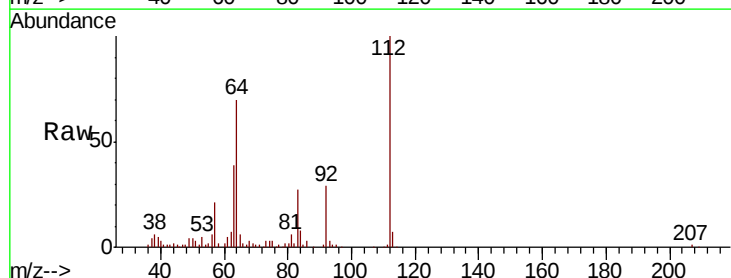
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



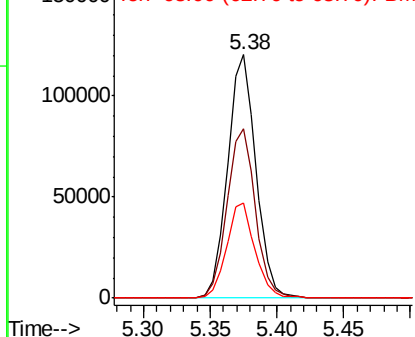
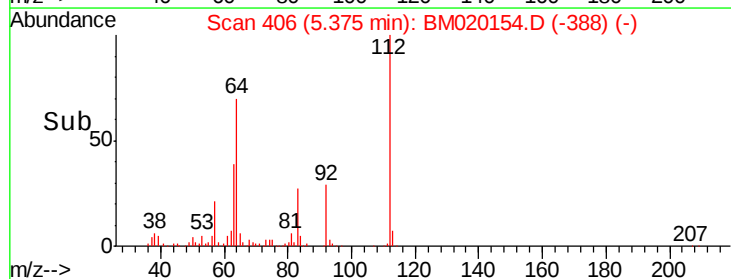
#5

2-Fluorophenol
Concen: 13.978 ng
RT: 5.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: BM020154.D
Acq: 07 May 2019 05:14

Tgt Ion:112 Resp: 178838
Ion Ratio Lower Upper
112 100
64 69.7 53.8 80.6
63 38.9 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: 15.041 ng

RT: 6.96 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

Instrument :

BNA_M

ClientSampleId :

SB-12-COMP

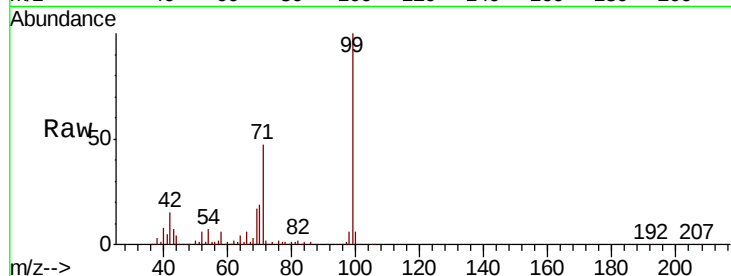
Tgt Ion: 99 Resp: 262901

Ion Ratio Lower Upper

99 100

42 15.4 14.2 21.2

71 46.7 40.3 60.5

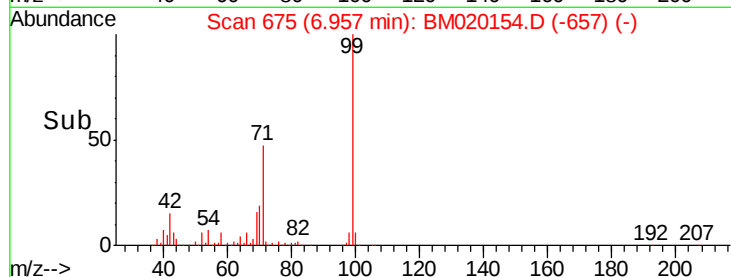


Abundance Ion 99.00 (98.70 to 99.70): BM020079.D (-667) (-)

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

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

6.96



Abundance

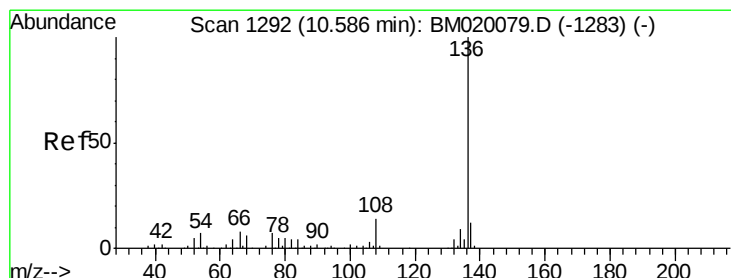
Ion 99.00 (98.70 to 99.70): BM020154.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM020154.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM020154.D (-657) (-)

6.96

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.59 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

Tgt Ion: 136 Resp: 763002

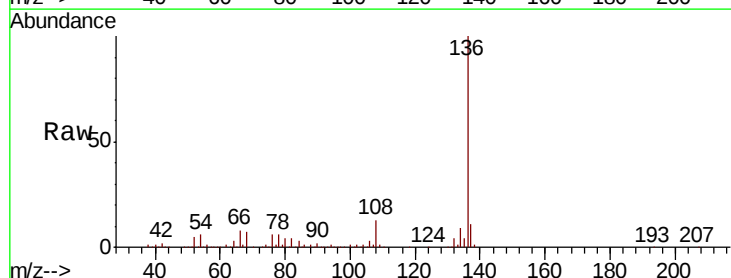
Ion Ratio Lower Upper

136 100

137 10.9 9.6 14.4

54 6.2 5.5 8.3

68 6.5 4.6 6.8



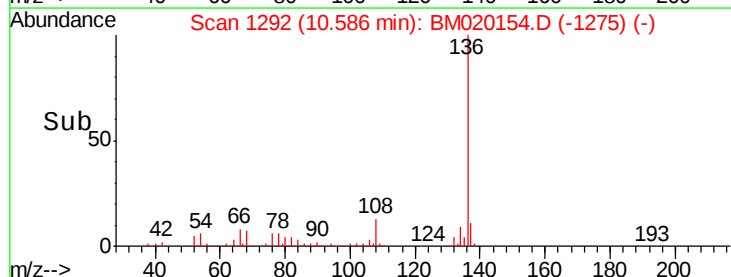
Abundance Ion 136.00 (135.70 to 136.70): BM020079.D (-1283) (-)

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) (-)

10.59



Abundance

Ion 136.00 (135.70 to 136.70): BM020154.D (-1275) (-)

Ion 137.00 (136.70 to 137.70): BM020154.D (-1275) (-)

Ion 54.00 (53.70 to 54.70): BM020154.D (-1275) (-)

Ion 68.00 (67.70 to 68.70): BM020154.D (-1275) (-)

10.59

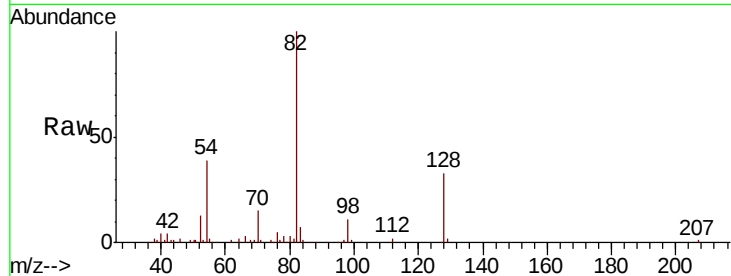
Time-->



#23
Nitrobenzene-d5
Concen: 8.468 ng
RT: 8.96 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BM020154.D
Acq: 07 May 2019 05:14

Instrument :
BNA_M
ClientSampleId :
SB-12-COMP

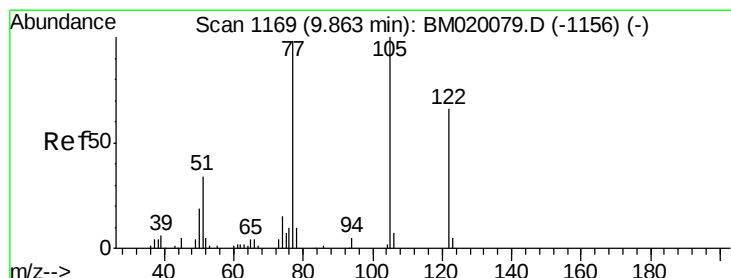
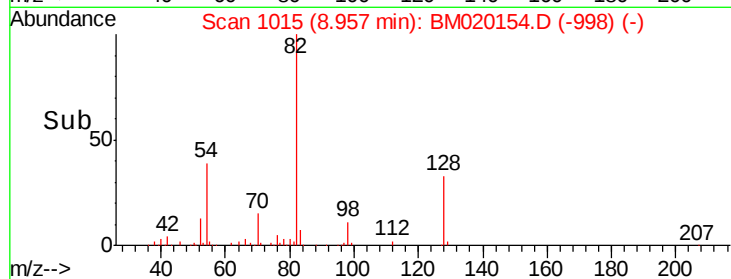
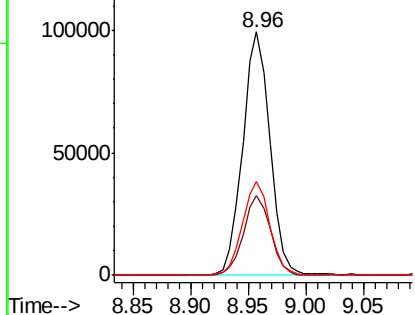
Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.0	25.2	37.8
54	38.6	31.9	47.9



Abundance Ion 82.00 (81.70 to 82.70): BM020154.D (-998) (-)

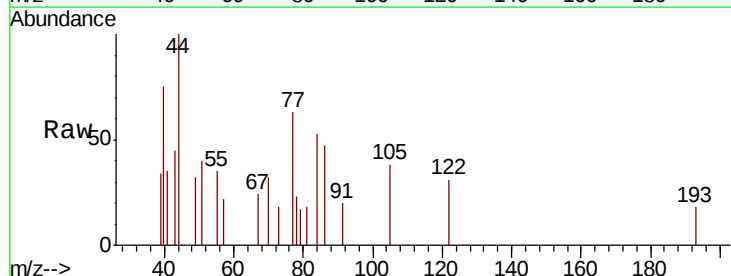
Ion 128.00 (127.70 to 128.70): BM020154.D (-998) (-)

Ion 54.00 (53.70 to 54.70): BM020154.D (-998) (-)



#32
Benzoic acid
Concen: 6.633 ng
RT: 9.85 min Scan# 1166
Delta R.T. -0.02 min
Lab File: BM020154.D
Acq: 07 May 2019 05:14

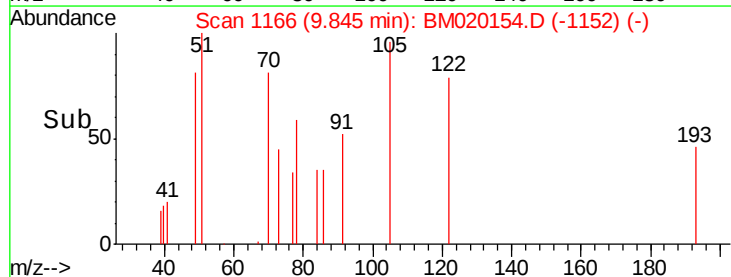
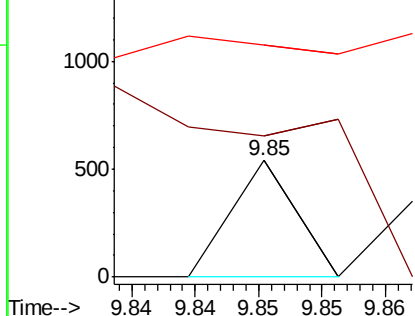
Tgt Ion	Ratio	Lower	Upper
122	100		
105	121.2	122.5	162.5#
77	199.4	123.3	163.3#

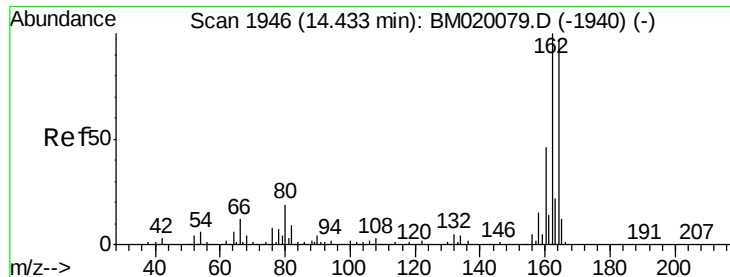


Abundance Ion 122.00 (121.70 to 122.70): BM020154.D (-1152) (-)

Ion 105.00 (104.70 to 105.70): BM020154.D (-1152) (-)

Ion 77.00 (76.70 to 77.70): BM020154.D (-1152) (-)





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.43 min Scan# 1946

Delta R.T. 0.00 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

Instrument :

BNA_M

ClientSampleId :

SB-12-COMP

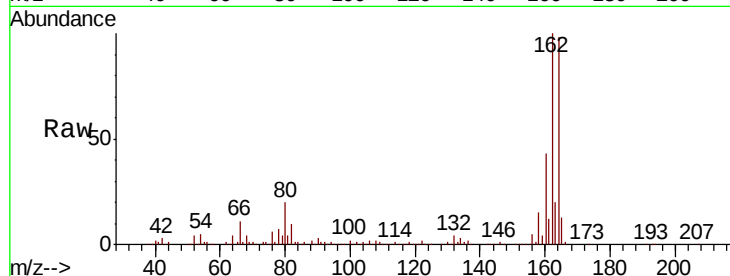
Tgt Ion:164 Resp: 400311

Ion Ratio Lower Upper

164 100

162 102.5 82.2 123.2

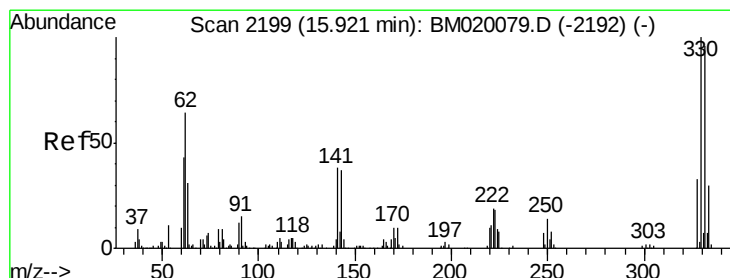
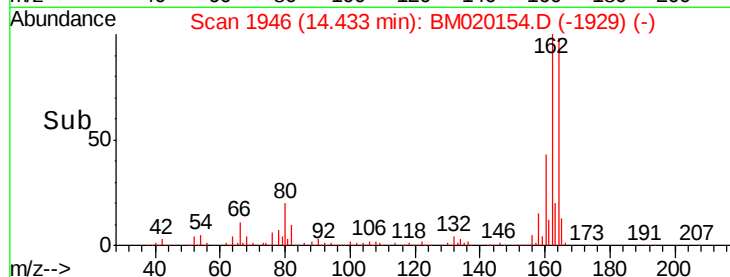
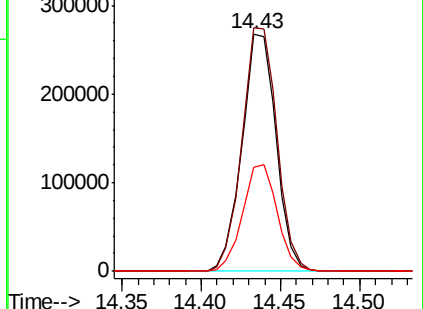
160 43.7 37.6 56.4



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: 12.197 ng

RT: 15.93 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

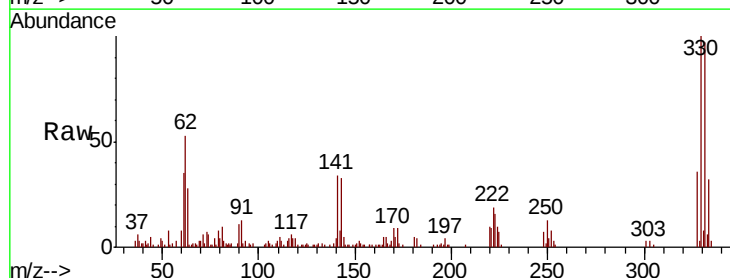
Tgt Ion:330 Resp: 75784

Ion Ratio Lower Upper

330 100

332 96.8 76.8 115.2

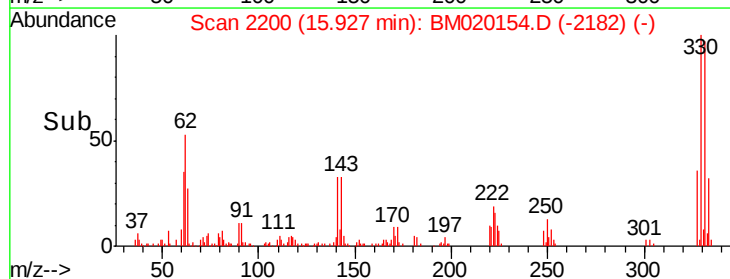
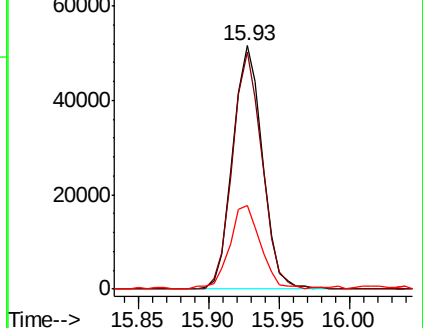
141 36.2 29.2 43.8

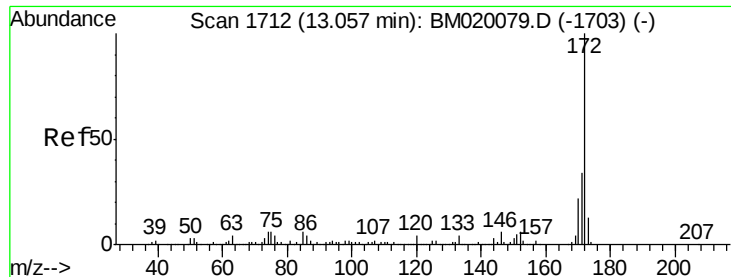


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

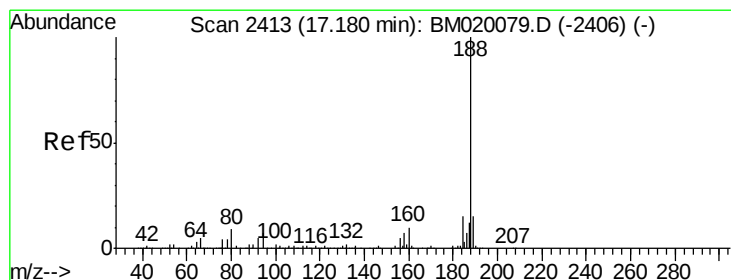
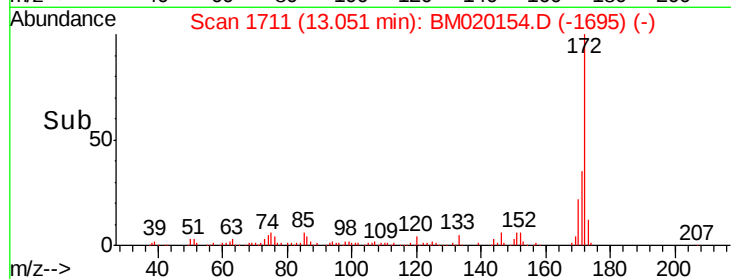
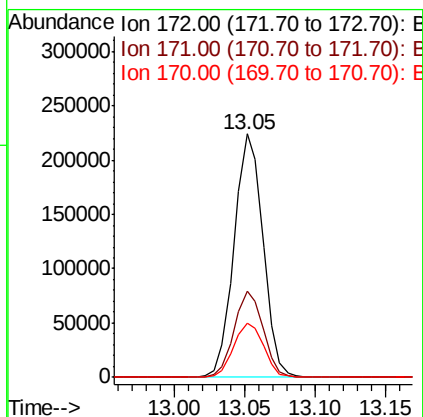
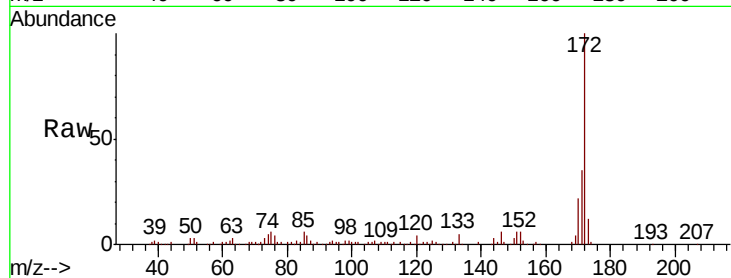




#45
2-Fluorobiphenyl
Concen: 9.844 ng
RT: 13.05 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BM020154.D
Acq: 07 May 2019 05:14

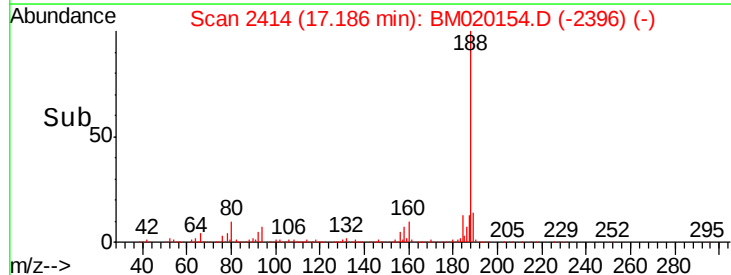
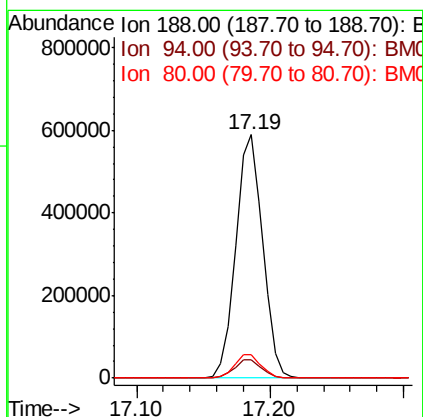
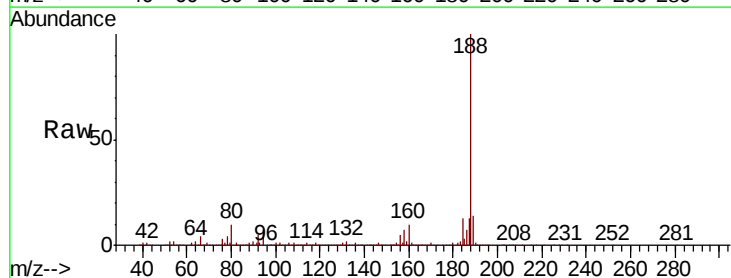
Instrument :
BNA_M
ClientSampleId :
SB-12-COMP

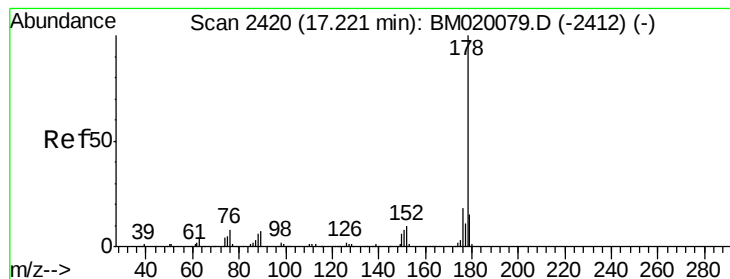
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.3	40.9
170	22.3	17.9	26.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2414
Delta R.T. 0.01 min
Lab File: BM020154.D
Acq: 07 May 2019 05:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.8	8.6
80	9.6	7.4	11.2





#71

Phenanthrene

Concen: 4.616 ng

RT: 17.23 min Scan# 2421

Delta R.T. 0.01 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

Instrument :

BNA_M

ClientSampleId :

SB-12-COMP

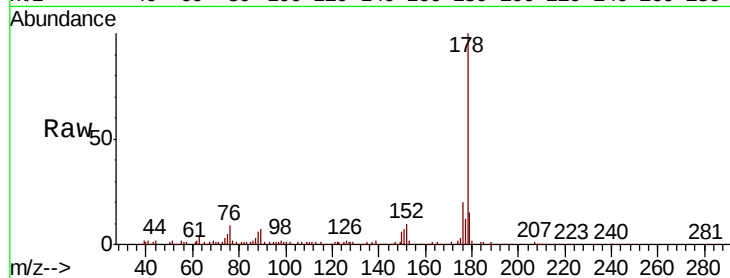
Tgt Ion:178 Resp: 209263

Ion Ratio Lower Upper

178 100

176 19.7 14.6 21.8

179 15.1 12.4 18.6

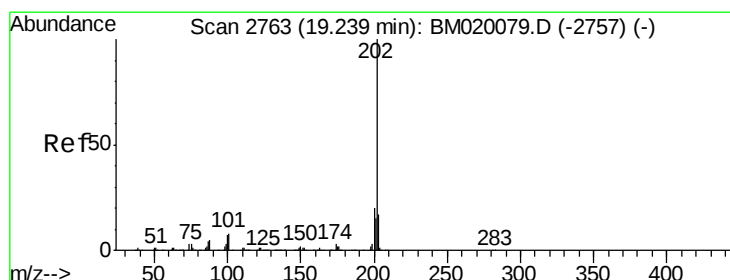
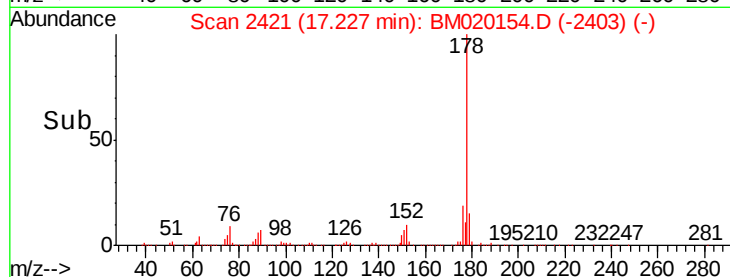
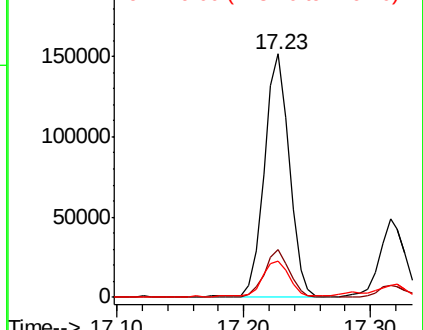


Abundance

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: 6.603 ng

RT: 19.24 min Scan# 2764

Delta R.T. 0.01 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

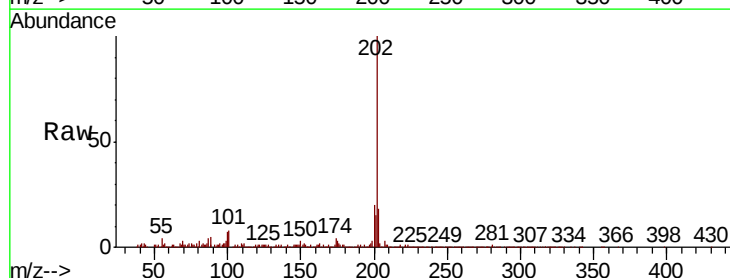
Tgt Ion:202 Resp: 378756

Ion Ratio Lower Upper

202 100

101 8.2 0.0 28.4

203 18.4 0.0 37.4

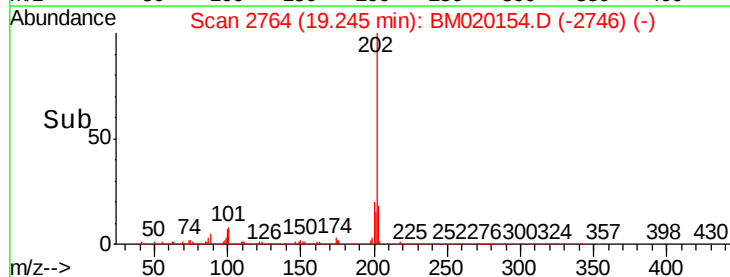
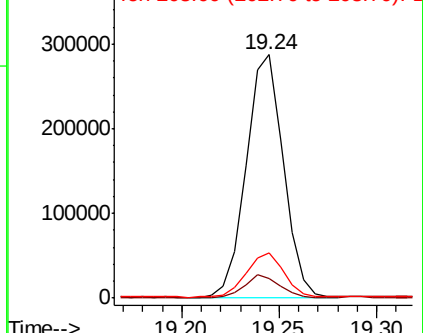


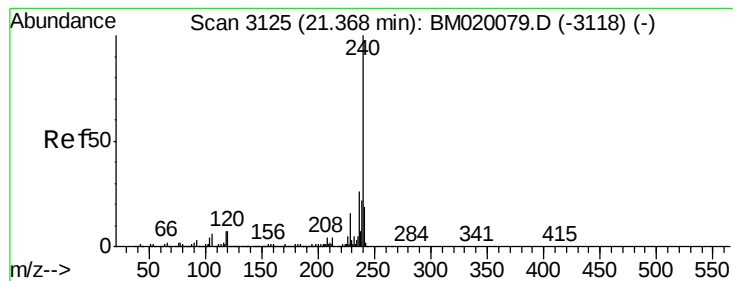
Abundance

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: 21.37 min Scan# 3125

Delta R.T. 0.00 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

Instrument :

BNA_M

ClientSampleId :

SB-12-COMP

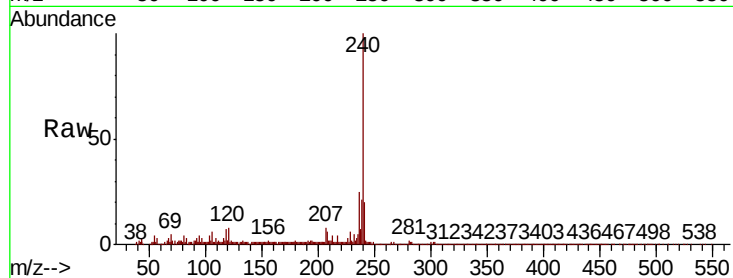
Tgt Ion:240 Resp: 791982

Ion Ratio Lower Upper

240 100

120 7.6 5.6 8.4

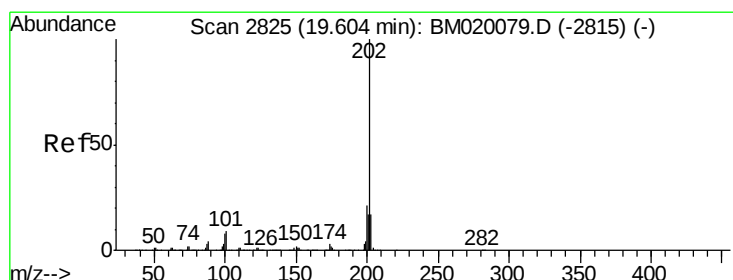
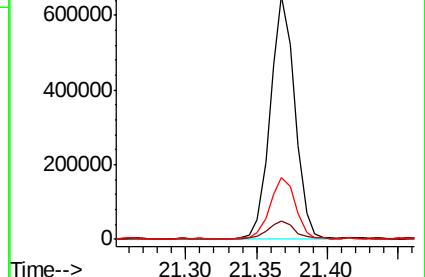
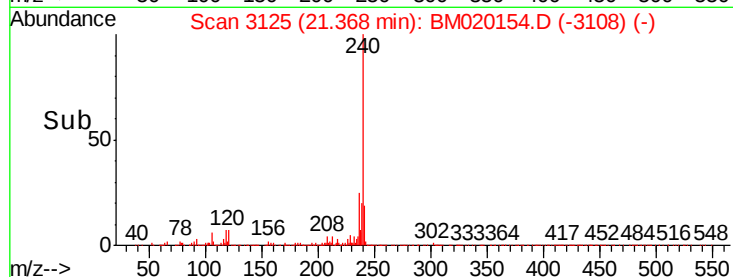
236 25.2 20.9 31.3



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: 6.427 ng

RT: 19.61 min Scan# 2826

Delta R.T. 0.01 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

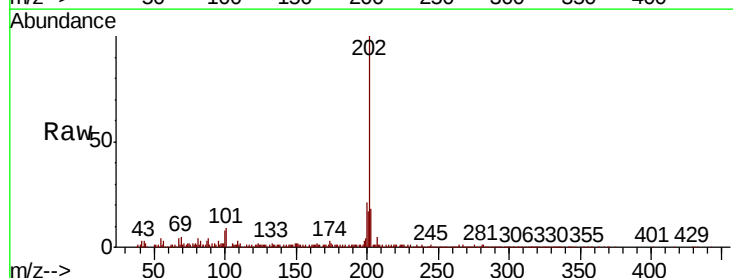
Tgt Ion:202 Resp: 341745

Ion Ratio Lower Upper

202 100

200 20.8 16.5 24.7

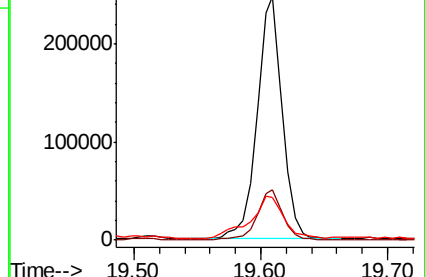
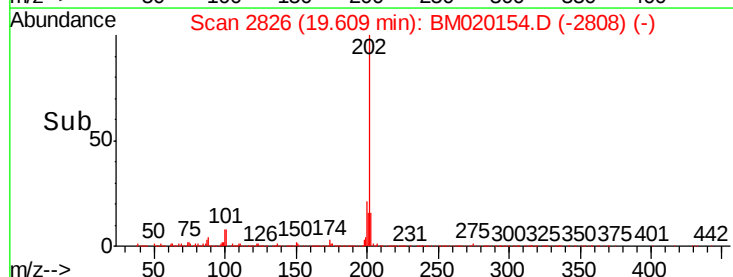
203 17.6 13.9 20.9

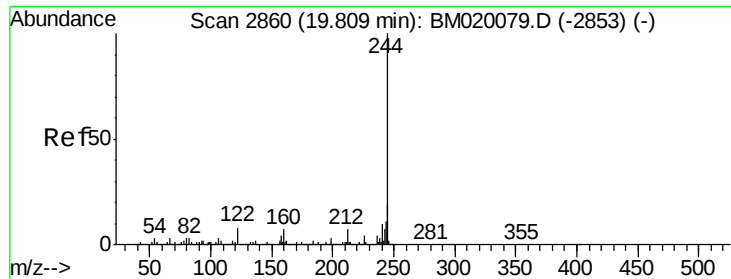


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 8.077 ng

RT: 19.80 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

Instrument :

BNA_M

ClientSampleId :

SB-12-COMP

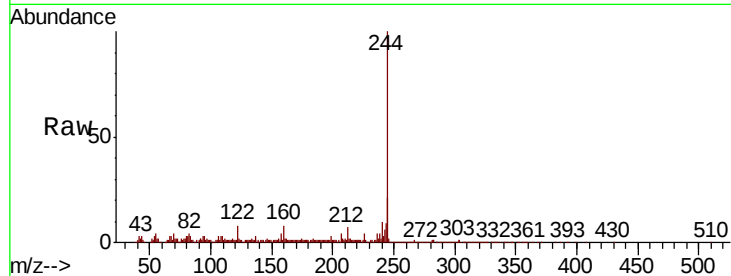
Tgt Ion:244 Resp: 366740

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

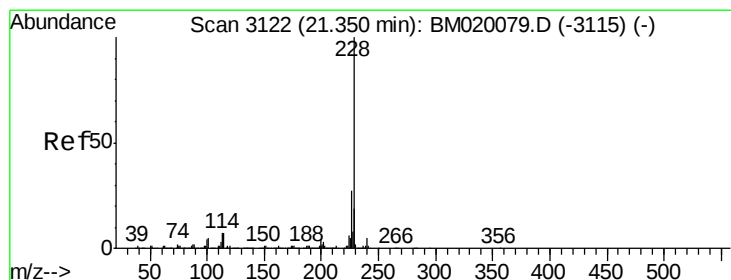
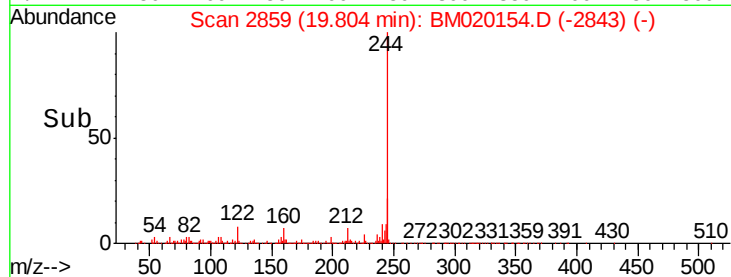
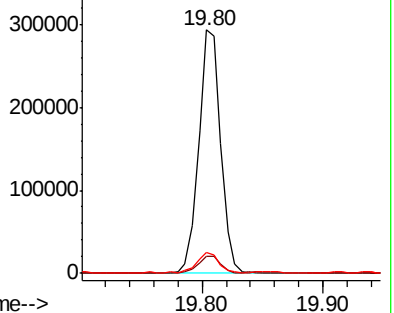
122 8.4 6.2 9.2



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: 3.686 ng

RT: 21.35 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

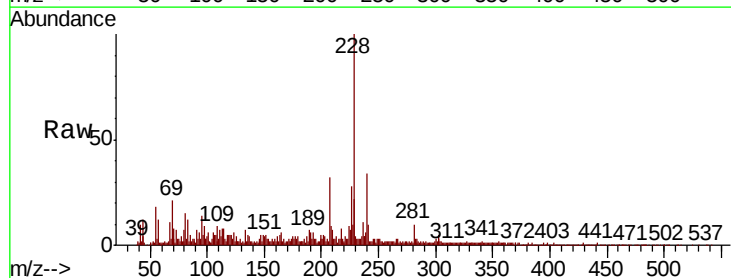
Tgt Ion:228 Resp: 204719

Ion Ratio Lower Upper

228 100

226 28.2 21.3 31.9

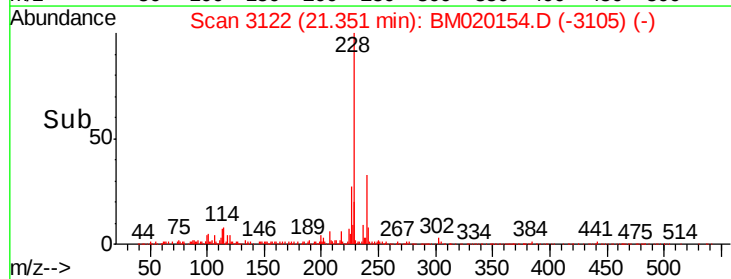
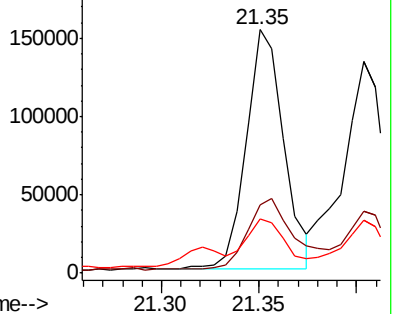
229 22.3 15.5 23.3

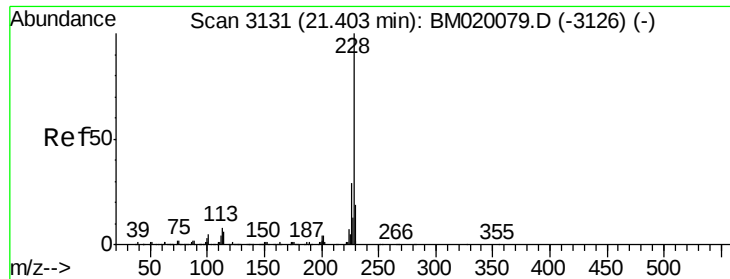


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.696 ng

RT: 21.35 min Scan# 3122

Delta R.T. -0.05 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

Instrument :

BNA_M

ClientSampleId :

SB-12-COMP

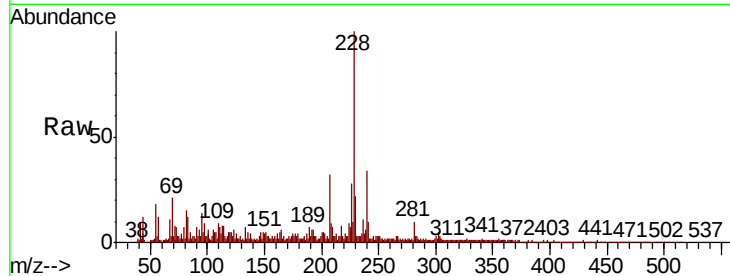
Tgt Ion:228 Resp: 199067

Ion Ratio Lower Upper

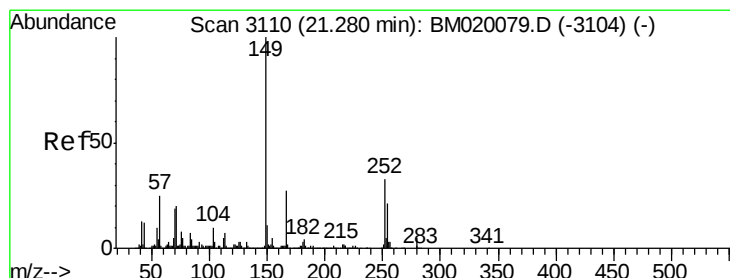
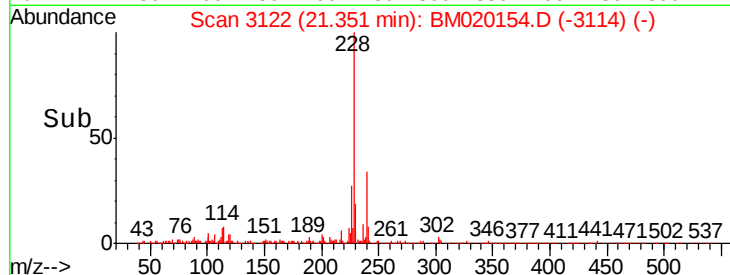
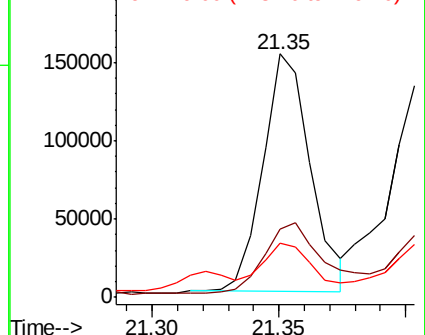
228 100

226 28.2 23.0 34.6

229 22.3 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



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.979 ng

RT: 21.27 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

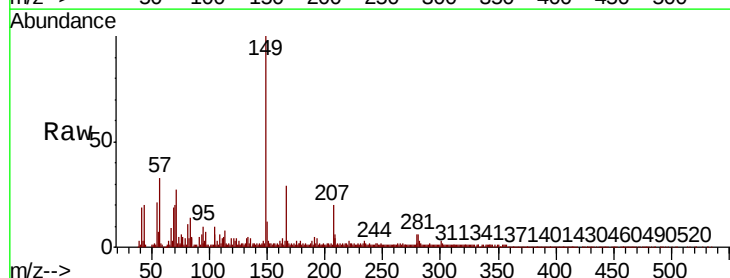
Tgt Ion:149 Resp: 239419

Ion Ratio Lower Upper

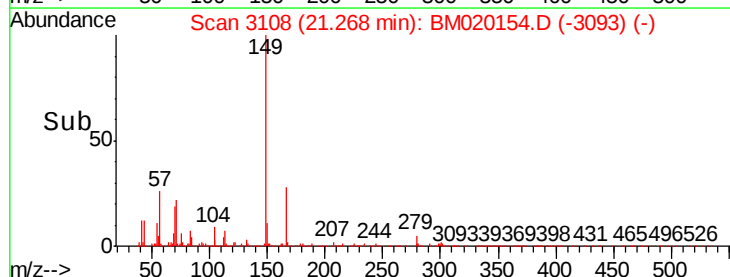
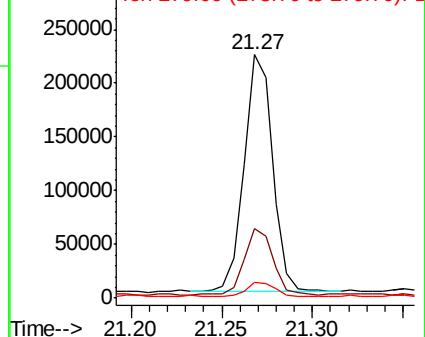
149 100

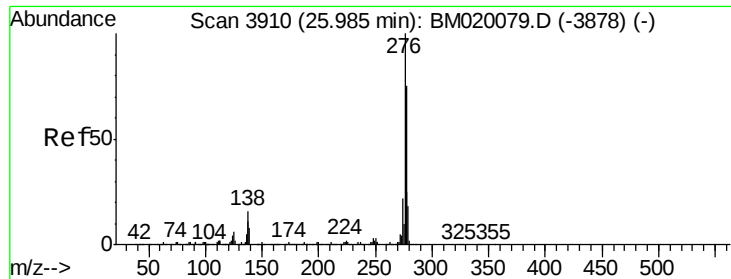
167 28.7 21.8 32.8

279 6.4 4.2 6.2#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.497 ng

RT: 26.00 min Scan# 3912

Delta R.T. 0.01 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

Instrument :

BNA_M

ClientSampleId :

SB-12-COMP

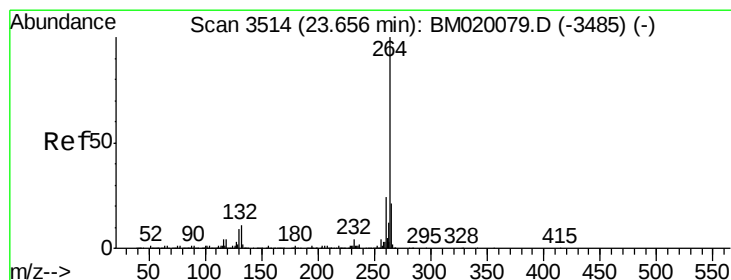
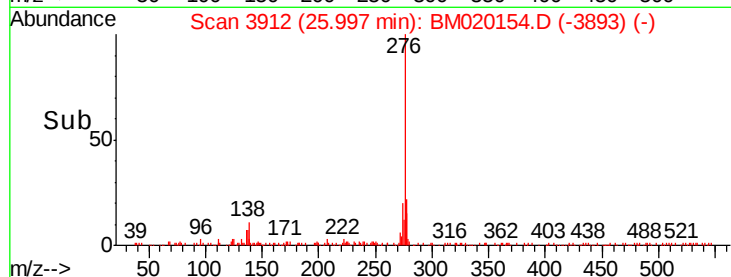
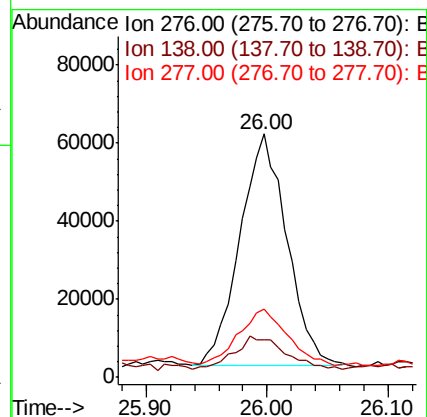
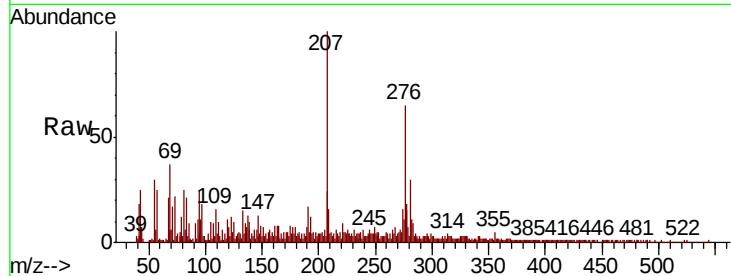
Tgt Ion:276 Resp: 159965

Ion Ratio Lower Upper

276 100

138 15.2 0.0 0.0#

277 25.0 0.0 0.0#



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.66 min Scan# 3515

Delta R.T. 0.01 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

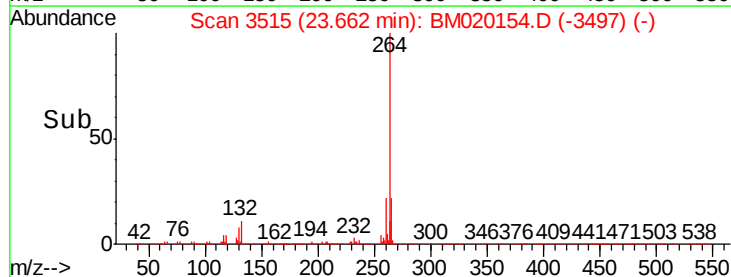
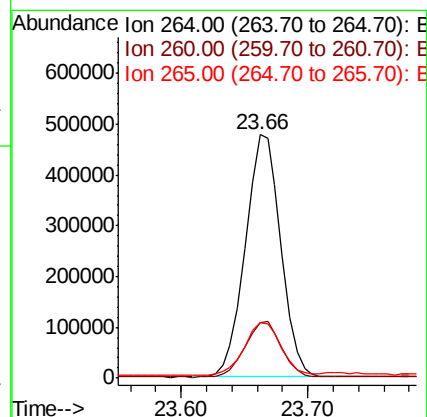
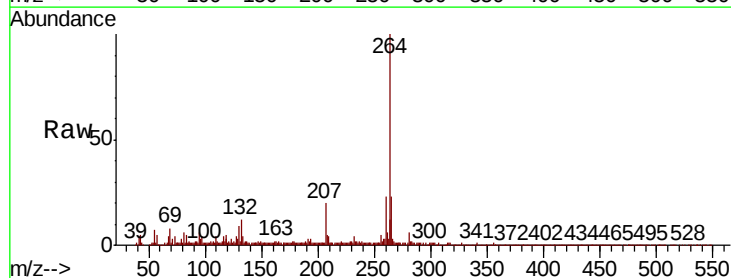
Tgt Ion:264 Resp: 926562

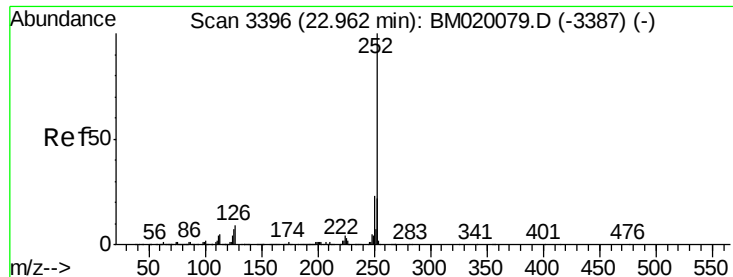
Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 22.7 16.9 25.3





#88

Benzo(b)fluoranthene

Concen: 4.583 ng

RT: 22.97 min Scan# 3397

Delta R.T. 0.01 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

Instrument :

BNA_M

ClientSampleId :

SB-12-COMP

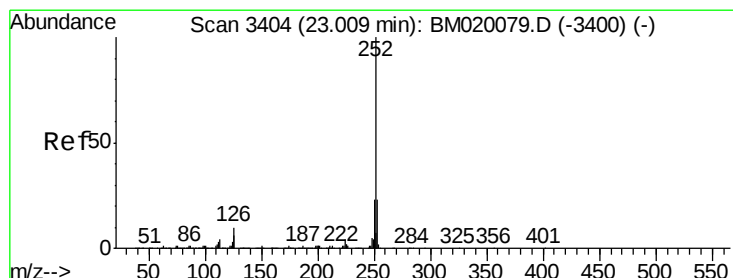
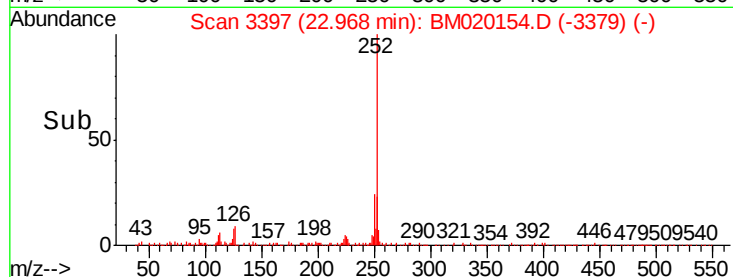
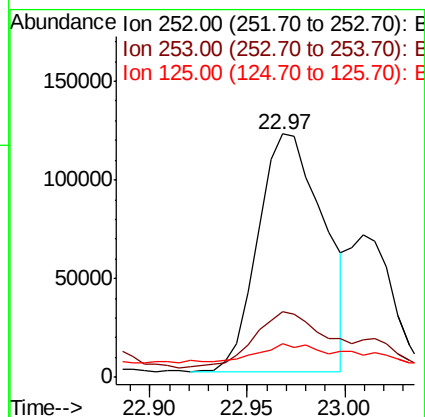
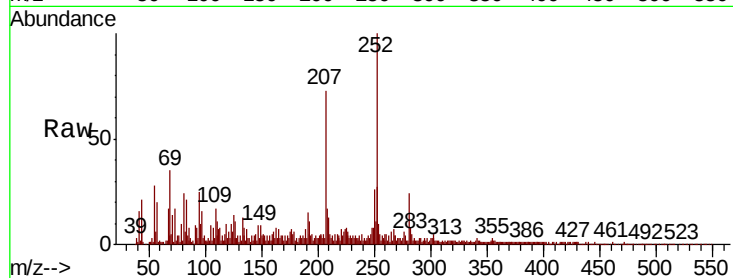
Tgt Ion:252 Resp: 280391

Ion Ratio Lower Upper

252 100

253 27.1 17.5 26.3#

125 13.7 5.4 8.2#



#89

Benzo(k)fluoranthene

Concen: 4.991 ng

RT: 22.97 min Scan# 3397

Delta R.T. -0.04 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

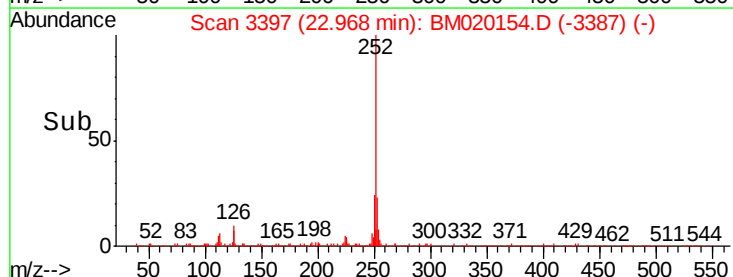
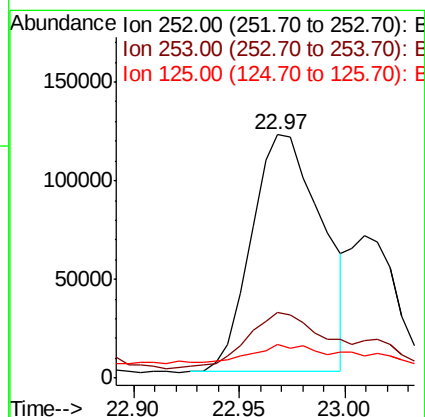
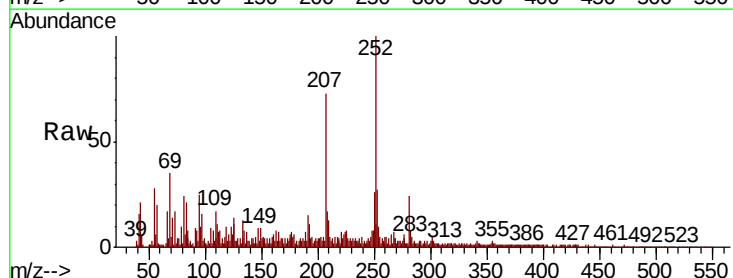
Tgt Ion:252 Resp: 278569

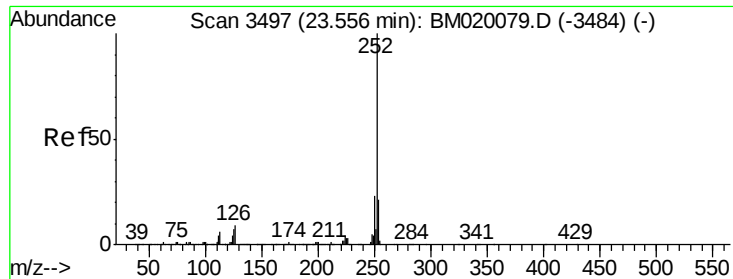
Ion Ratio Lower Upper

252 100

253 27.1 17.8 26.8#

125 13.7 5.4 8.0#





#90

Benzo(a)pyrene

Concen: 3.773 ng

RT: 23.56 min Scan# 3498

Delta R.T. 0.01 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

Instrument :

BNA_M

ClientSampleId :

SB-12-COMP

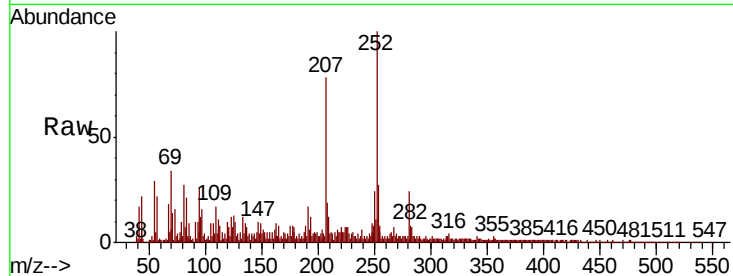
Tgt Ion:252 Resp: 209716

Ion Ratio Lower Upper

252 100

253 27.5 17.0 25.6#

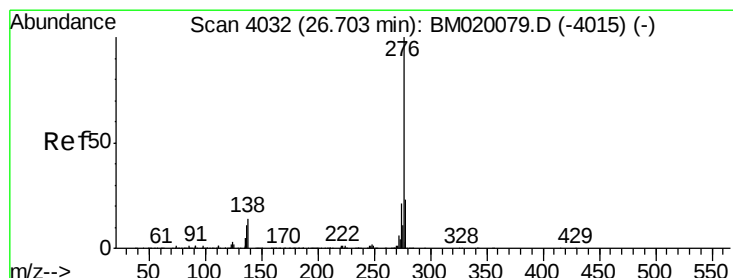
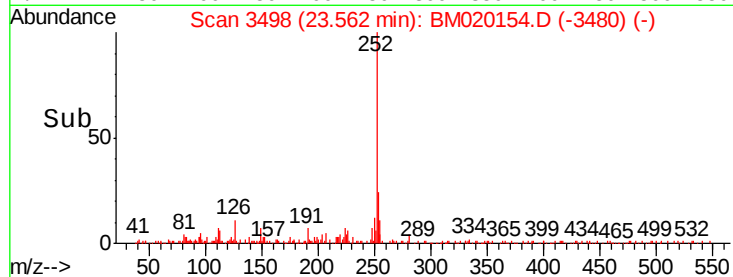
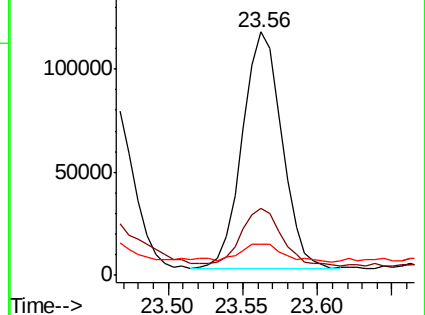
125 12.6 5.5 8.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 3.027 ng

RT: 26.72 min Scan# 4035

Delta R.T. 0.02 min

Lab File: BM020154.D

Acq: 07 May 2019 05:14

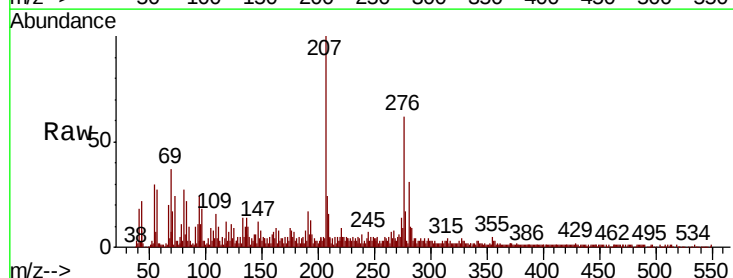
Tgt Ion:276 Resp: 166087

Ion Ratio Lower Upper

276 100

277 27.6 18.4 27.6

138 15.9 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

