

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050619\
 Data File : BM020148.D
 Acq On : 06 May 2019 22:38
 Operator : JU/SJ
 Sample : K2673-10 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-15-COMP

Quant Time: May 07 03:34:25 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	167697	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	616026	20.00	ng	0.00
39) Acenaphthene-d10	14.44	164	366166	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	853562	20.00	ng	0.00
76) Chrysene-d12	21.37	240	847907	20.00	ng	0.00
87) Perylene-d12	23.67	264	996131	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	717285	69.92	ng	0.00
7) Phenol-d6	6.96	99	1034918	73.84	ng	0.01
23) Nitrobenzene-d5	8.96	82	691777	44.33	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	438372	77.13	ng	0.00
45) 2-Fluorobiphenyl	13.06	172	1277800	42.94	ng	0.00
79) Terphenyl-d14	19.81	244	1961882	40.36	ng	0.00

Target Compounds

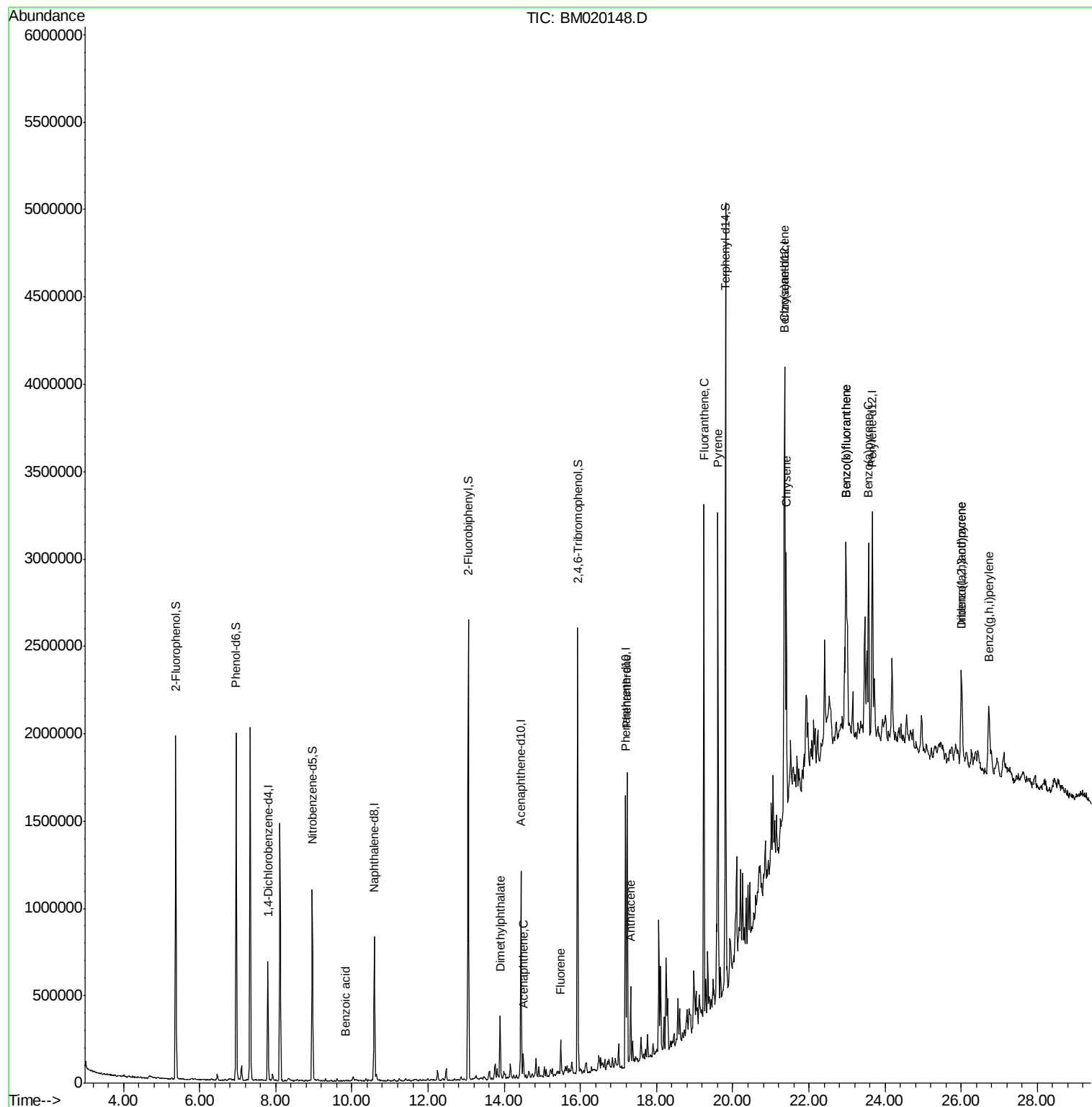
						Qvalue
32) Benzoic acid	9.83	122	1919	6.897	ng	# 68
50) Dimethylphthalate	13.89	163	201919	6.488	ng	99
52) Acenaphthene	14.50	154	47042	2.130	ng	96
58) Fluorene	15.49	166	78073	2.552	ng	99
71) Phenanthrene	17.23	178	946651	20.091	ng	99
72) Anthracene	17.32	178	276518	5.870	ng	98
75) Fluoranthene	19.24	202	1638319	27.481	ng	100
78) Pyrene	19.61	202	1710367	30.045	ng	99
81) Benzo(a)anthracene	21.36	228	920405	15.478	ng	97
83) Chrysene	21.40	228	860007	14.913	ng	97
86) Indeno(1,2,3-cd)pyrene	26.00	276	514092	7.494	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	1067539	16.229	ng	# 95
89) Benzo(k)fluoranthene	22.97	252	1057420	17.623	ng	# 96
90) Benzo(a)pyrene	23.57	252	839777	14.055	ng	# 96
91) Dibenzo(a,h)anthracene	26.02	278	144721	2.329	ng	# 80
92) Benzo(g,h,i)perylene	26.73	276	519707	8.810	ng	95

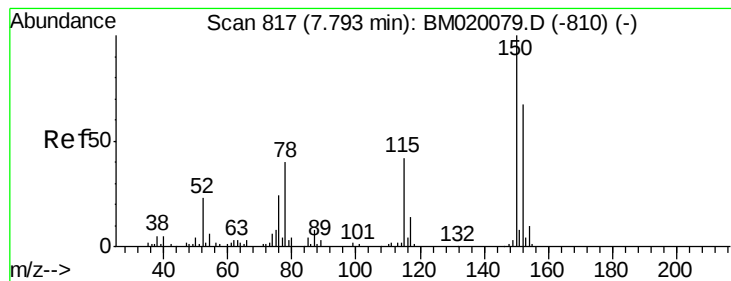
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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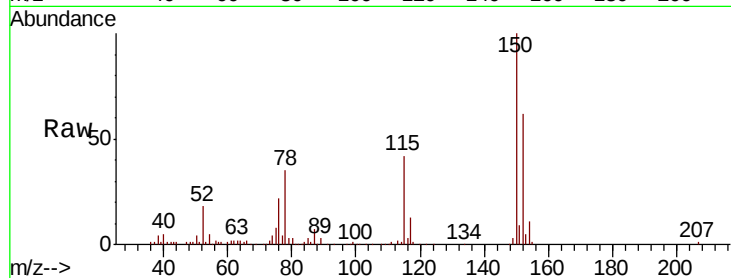


#1

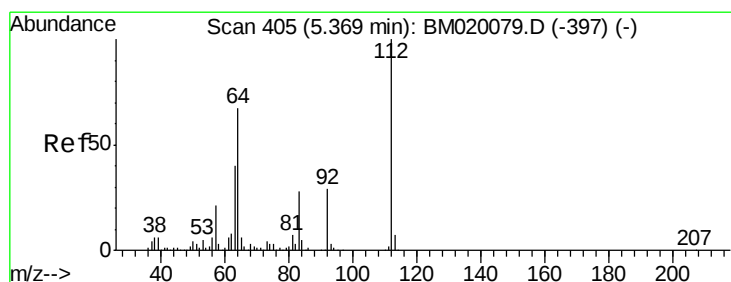
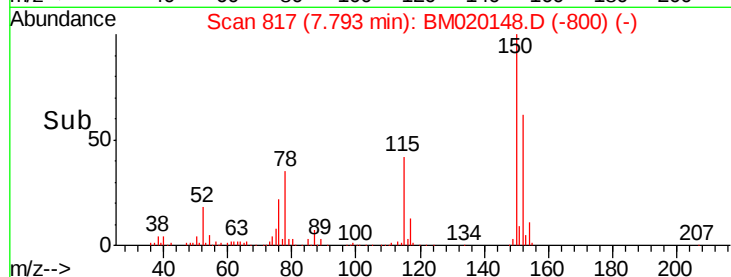
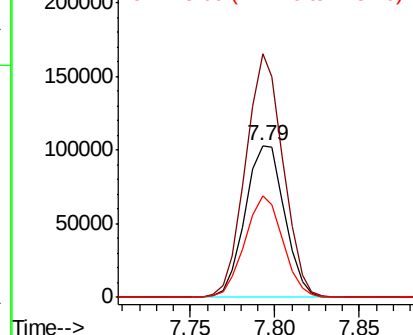
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 817
Delta R.T. 0.00 min
Lab File: BM020148.D
Acq: 06 May 2019 22:38

Instrument :
BNA_M
ClientSampleId :
SB-15-COMP

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.2	119.8	179.8
115	66.5	50.8	76.2



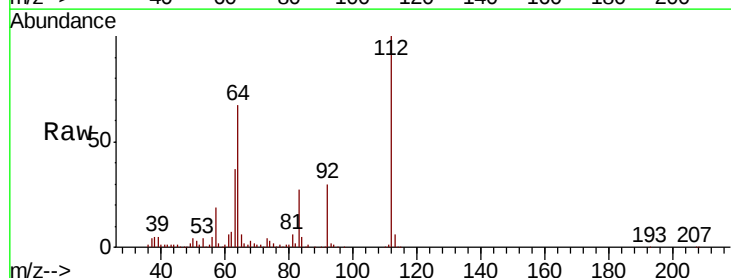
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



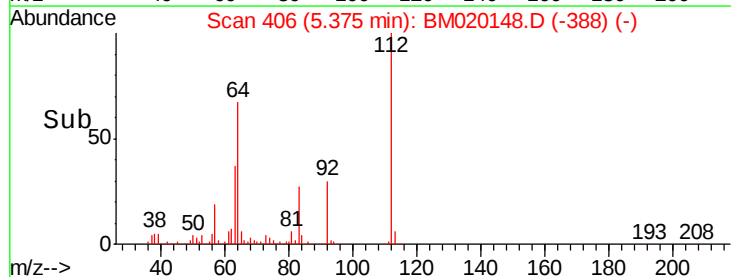
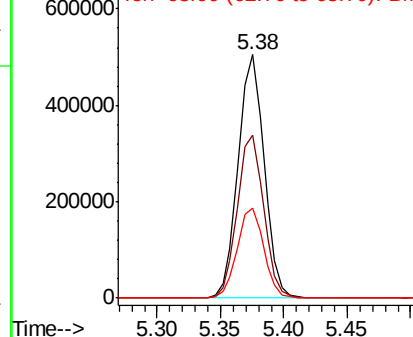
#5

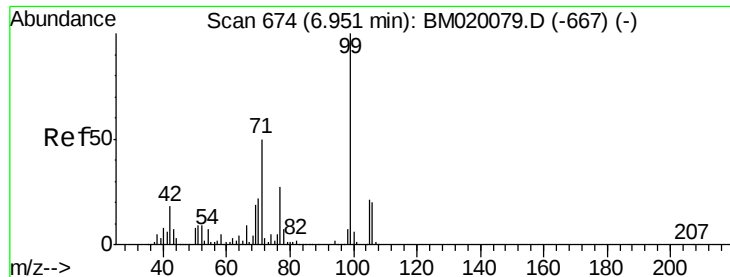
2-Fluorophenol
Concen: 69.916 ng
RT: 5.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: BM020148.D
Acq: 06 May 2019 22:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	53.8	80.6
63	37.0	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: 73.841 ng

RT: 6.96 min Scan# 676

Delta R.T. 0.01 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Instrument :

BNA_M

ClientSampleId :

SB-15-COMP

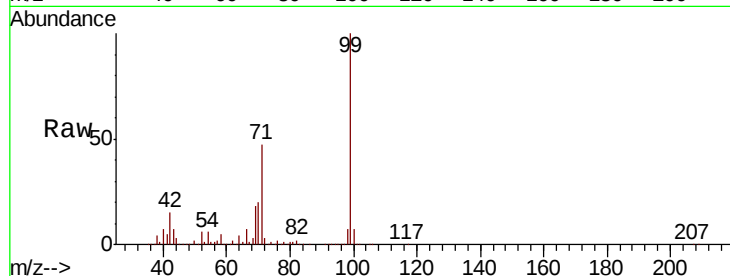
Tgt Ion: 99 Resp: 1034918

Ion Ratio Lower Upper

99 100

42 15.0 14.2 21.2

71 46.9 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020148.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM020148.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM020148.D (-657) (-)

6.96

800000

600000

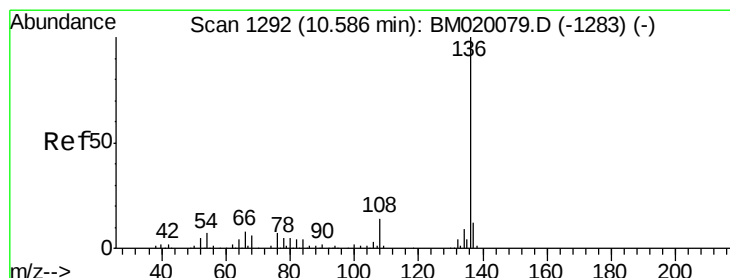
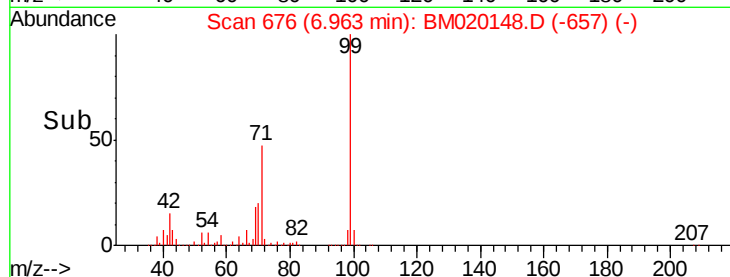
400000

200000

0

6.90 6.95 7.00 7.05

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.59 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Tgt Ion: 136 Resp: 616026

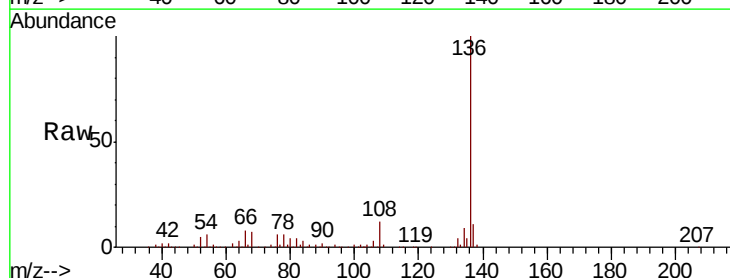
Ion Ratio Lower Upper

136 100

137 11.1 9.6 14.4

54 6.3 5.5 8.3

68 6.7 4.6 6.8



Abundance Ion 136.00 (135.70 to 136.70): BM020148.D (-1275) (-)

Ion 137.00 (136.70 to 137.70): BM020148.D (-1275) (-)

Ion 54.00 (53.70 to 54.70): BM020148.D (-1275) (-)

Ion 68.00 (67.70 to 68.70): BM020148.D (-1275) (-)

10.59

500000

400000

300000

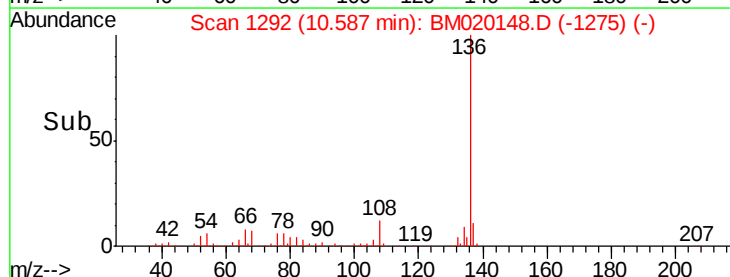
200000

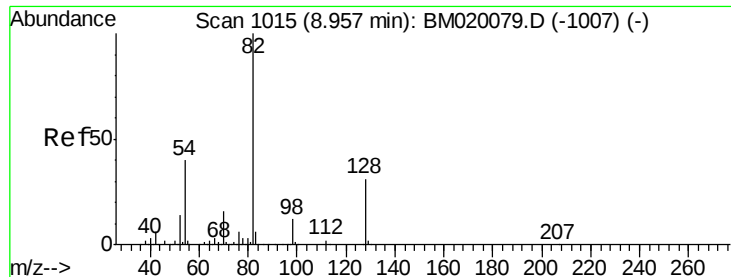
100000

0

10.50 10.60

Time-->

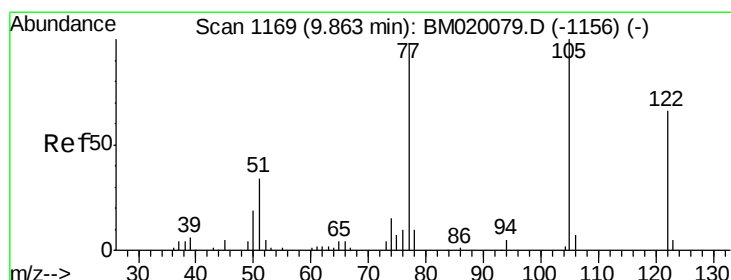
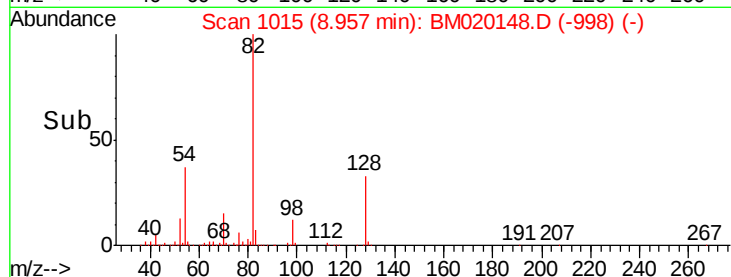
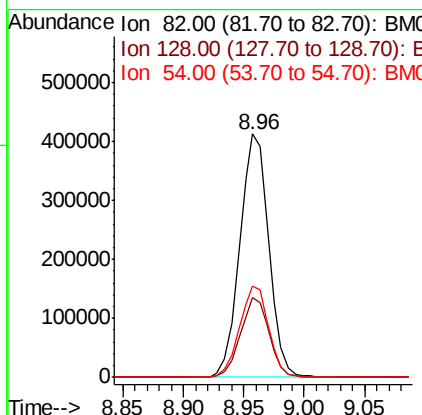
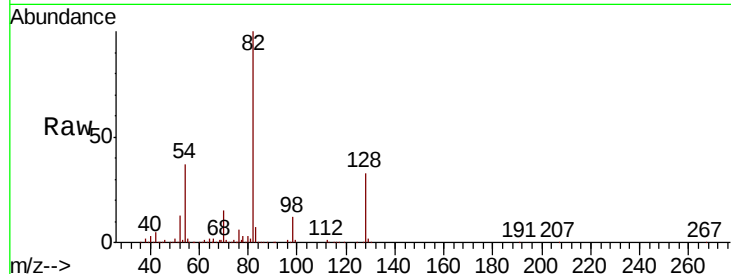




#23
 Nitrobenzene-d5
 Concen: 44.335 ng
 RT: 8.96 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: BM020148.D
 Acq: 06 May 2019 22:38

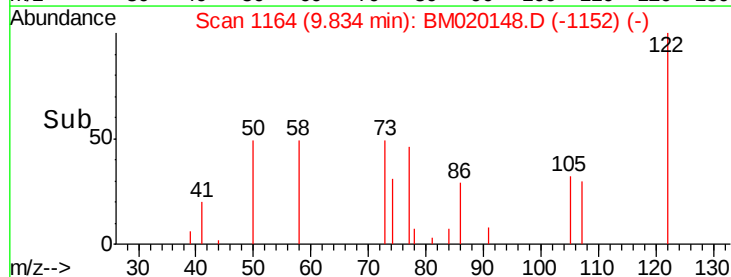
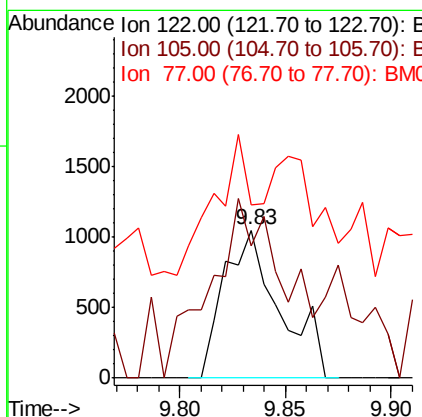
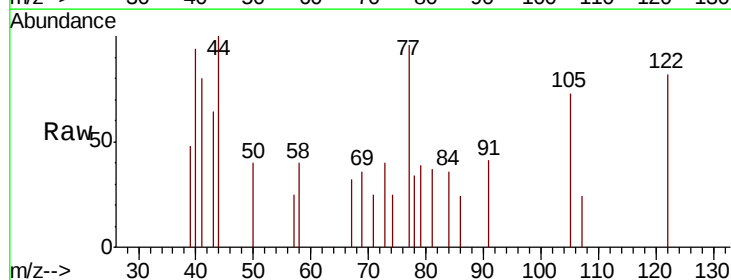
Instrument :
 BNA_M
 ClientSampleId :
 SB-15-COMP

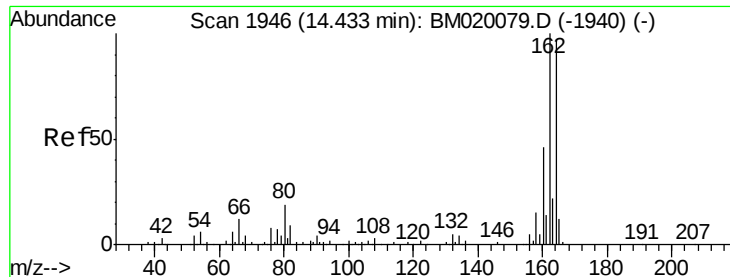
Tgt Ion	Ratio	Lower	Upper
82	100		
128	32.6	25.2	37.8
54	37.4	31.9	47.9



#32
 Benzoic acid
 Concen: 6.897 ng
 RT: 9.83 min Scan# 1164
 Delta R.T. -0.03 min
 Lab File: BM020148.D
 Acq: 06 May 2019 22:38

Tgt Ion	Ratio	Lower	Upper
122	100		
105	89.1	122.5	162.5#
77	117.1	123.3	163.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.44 min Scan# 1947

Delta R.T. 0.01 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Instrument :

BNA_M

ClientSampleId :

SB-15-COMP

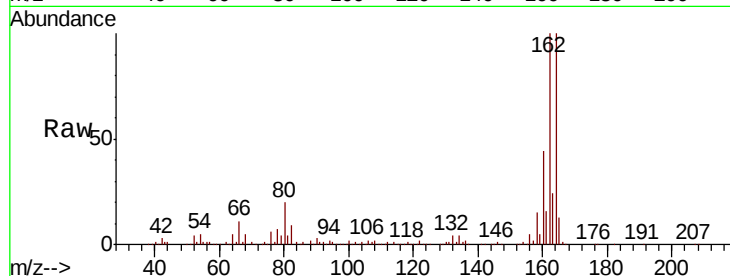
Tgt Ion:164 Resp: 366166

Ion Ratio Lower Upper

164 100

162 100.1 82.2 123.2

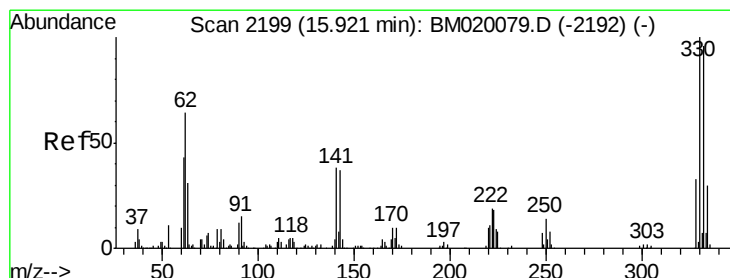
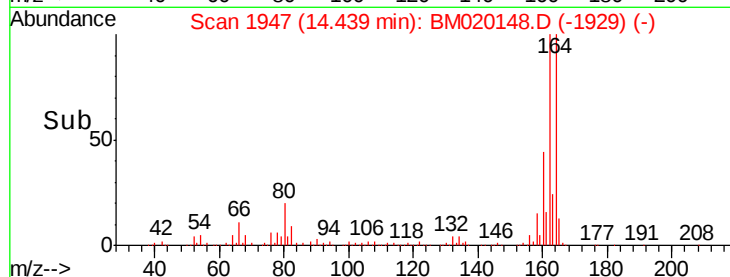
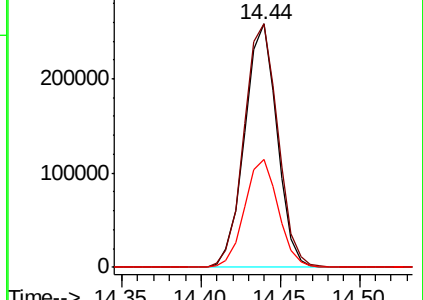
160 44.5 37.6 56.4



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: 77.129 ng

RT: 15.93 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

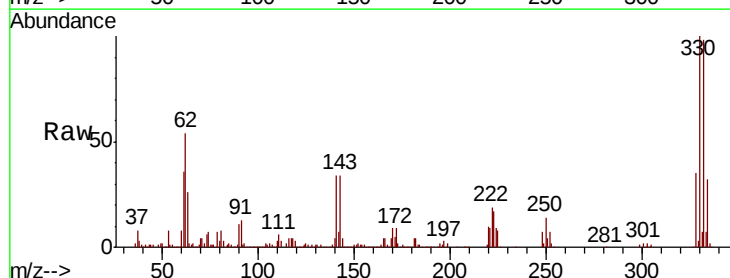
Tgt Ion:330 Resp: 438372

Ion Ratio Lower Upper

330 100

332 96.1 76.8 115.2

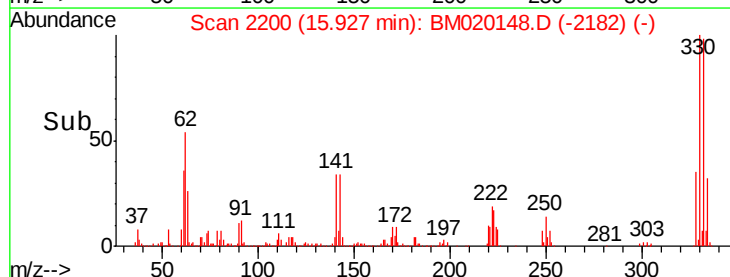
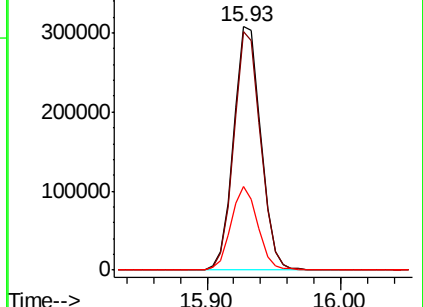
141 33.4 29.2 43.8

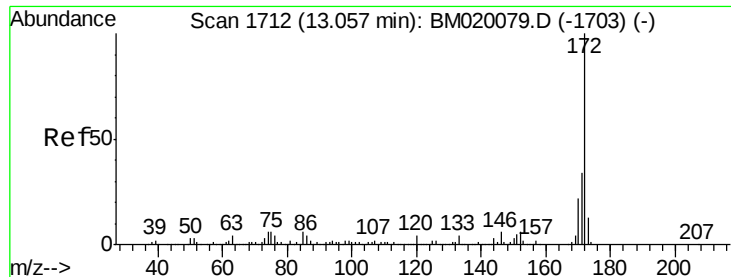


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

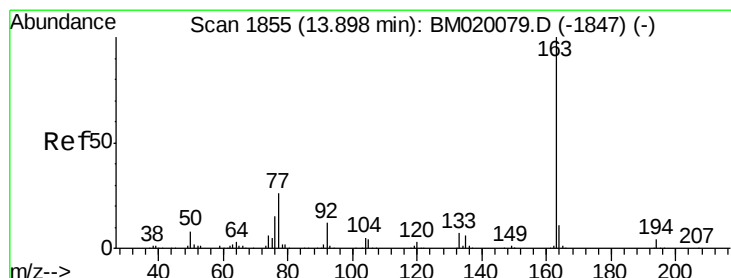
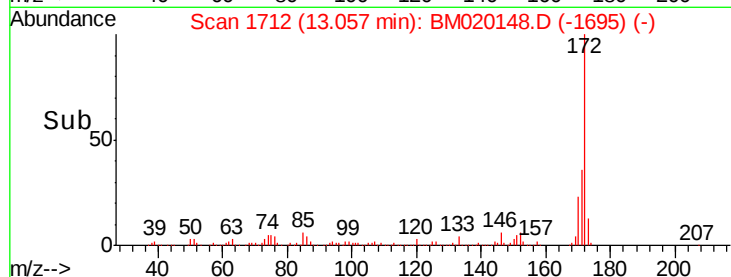
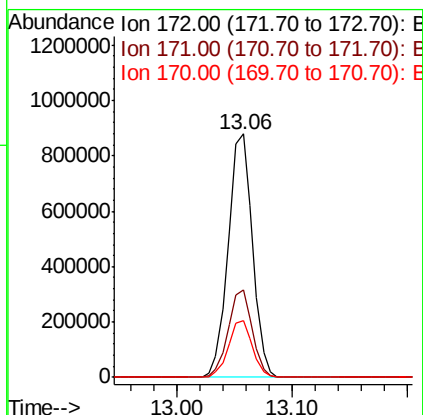
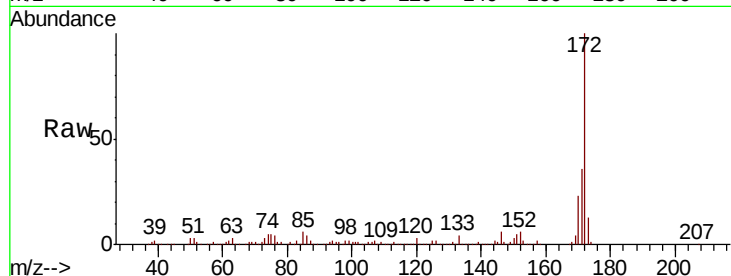




#45
 2-Fluorobiphenyl
 Concen: 42.936 ng
 RT: 13.06 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: BM020148.D
 Acq: 06 May 2019 22:38

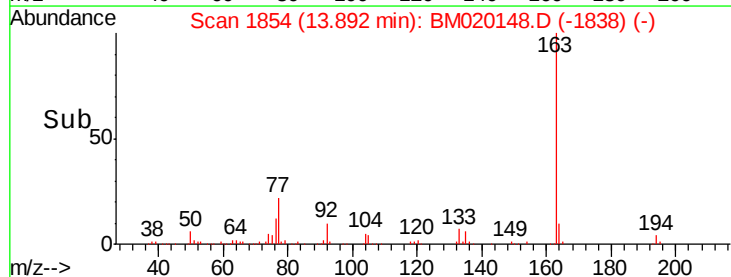
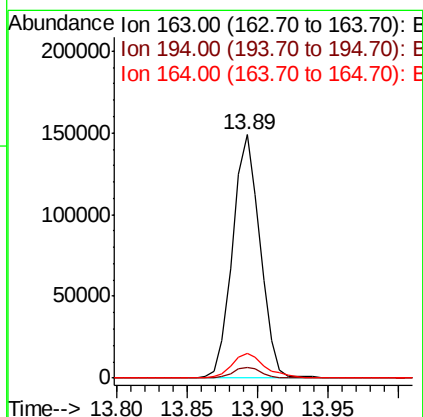
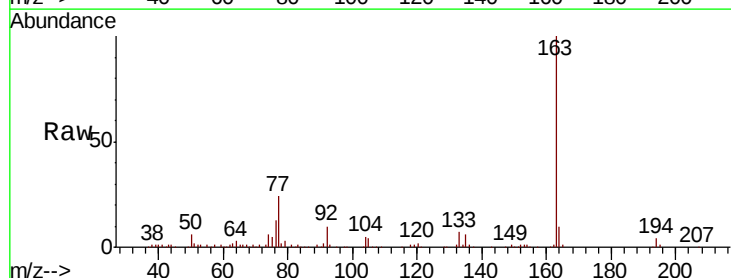
Instrument :
 BNA_M
 ClientSampleId :
 SB-15-COMP

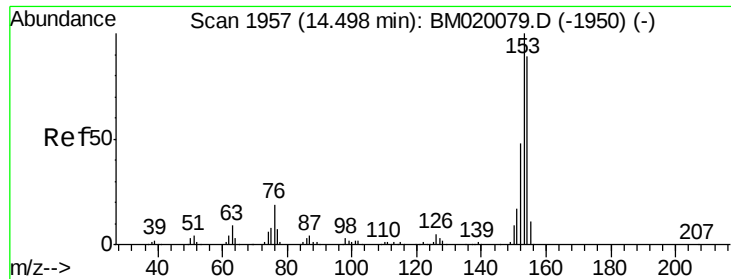
Tgt Ion:172 Resp: 1277800
 Ion Ratio Lower Upper
 172 100
 171 36.1 27.3 40.9
 170 23.3 17.9 26.9



#50
 Dimethylphthalate
 Concen: 6.488 ng
 RT: 13.89 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BM020148.D
 Acq: 06 May 2019 22:38

Tgt Ion:163 Resp: 201919
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.6 5.4
 164 10.3 8.4 12.6





#52

Acenaphthene

Concen: 2.130 ng

RT: 14.50 min Scan# 1958

Delta R.T. 0.01 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Instrument :

BNA_M

ClientSampleId :

SB-15-COMP

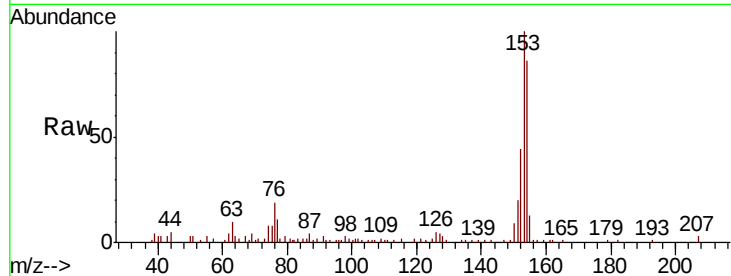
Tgt Ion:154 Resp: 47042

Ion Ratio Lower Upper

154 100

153 116.9 90.2 135.2

152 50.9 43.0 64.4

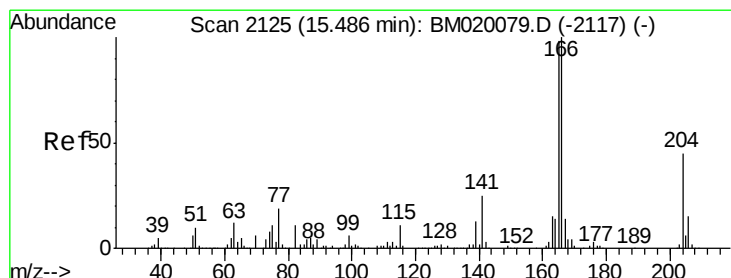
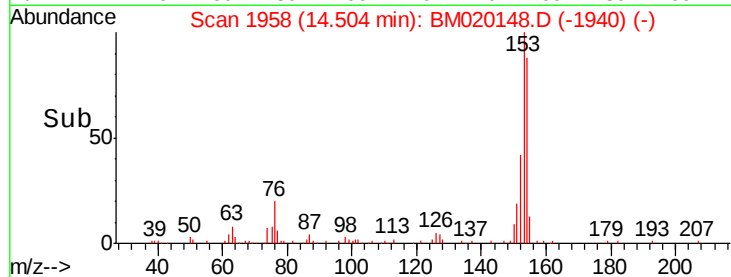
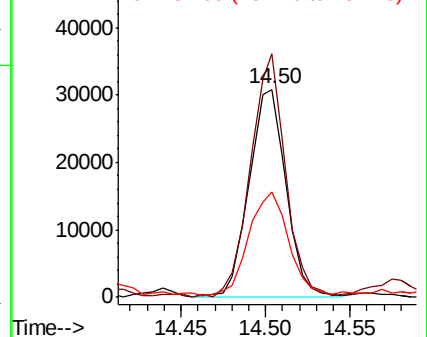


Abundance

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: 2.552 ng

RT: 15.49 min Scan# 2125

Delta R.T. 0.00 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

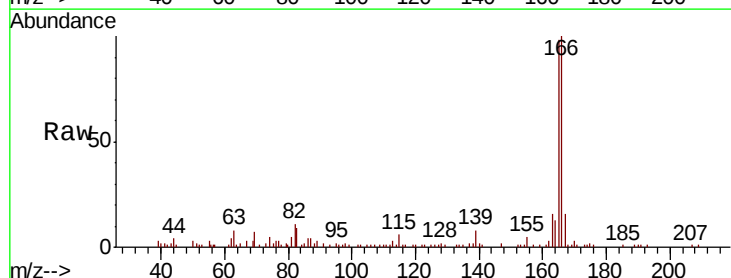
Tgt Ion:166 Resp: 78073

Ion Ratio Lower Upper

166 100

165 98.3 78.2 117.2

167 16.0 11.0 16.4

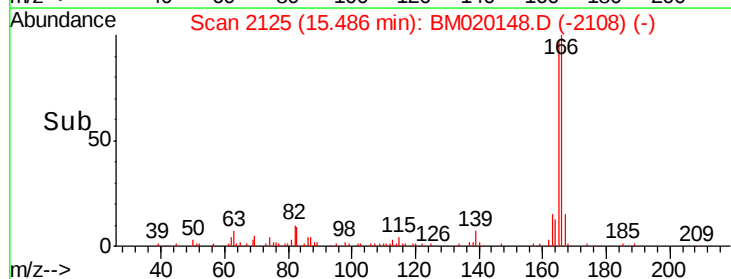
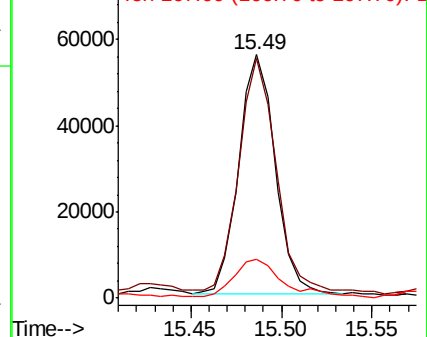


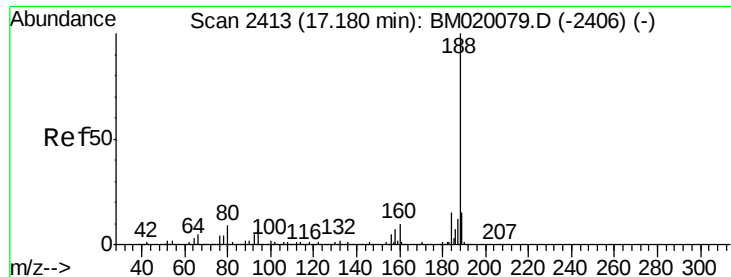
Abundance

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

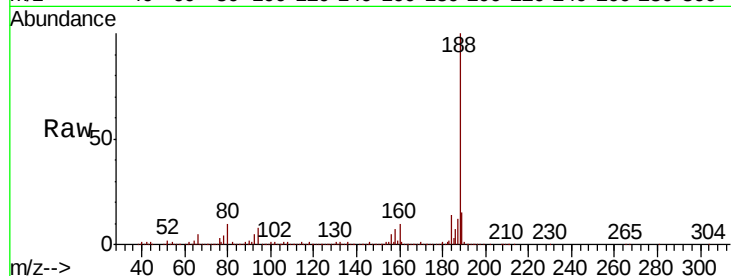




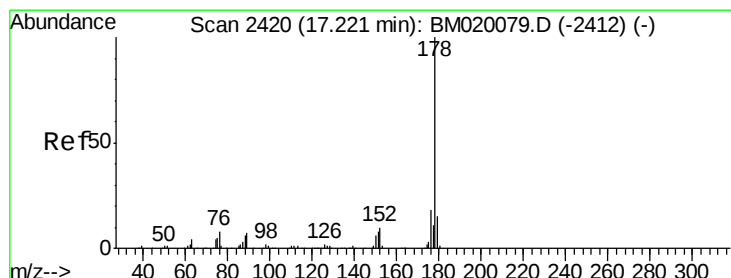
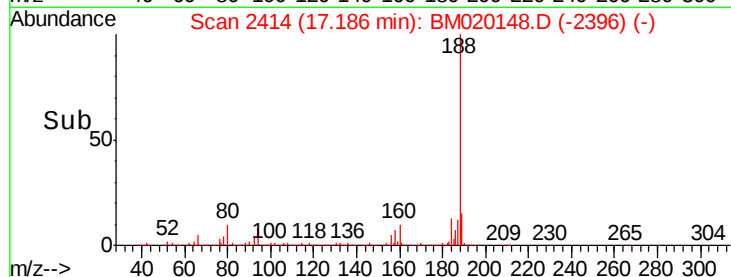
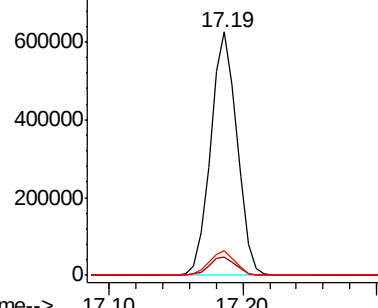
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.19 min Scan# 2414
Delta R.T. 0.01 min
Lab File: BM020148.D
Acq: 06 May 2019 22:38

Instrument :
BNA_M
ClientSampleId :
SB-15-COMP

Tgt Ion:188 Resp: 853562
Ion Ratio Lower Upper
188 100
94 7.6 5.8 8.6
80 10.1 7.4 11.2

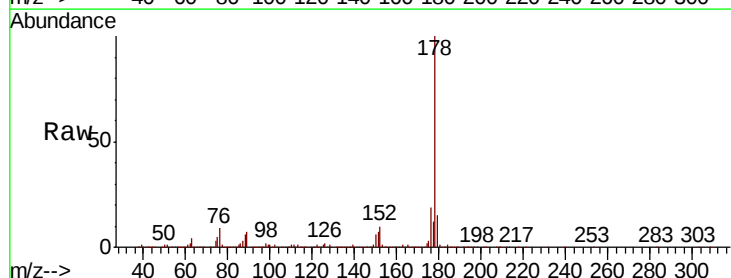


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

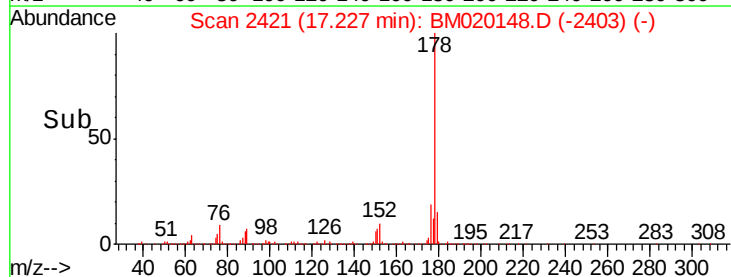
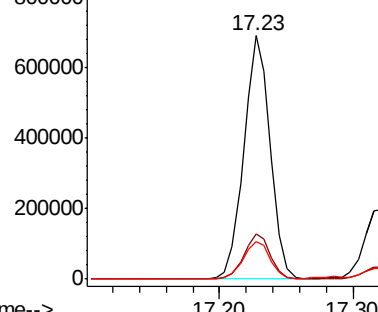


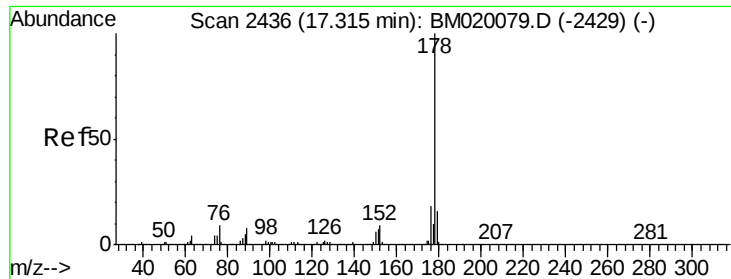
#71
Phenanthrene
Concen: 20.091 ng
RT: 17.23 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BM020148.D
Acq: 06 May 2019 22:38

Tgt Ion:178 Resp: 946651
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 15.3 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

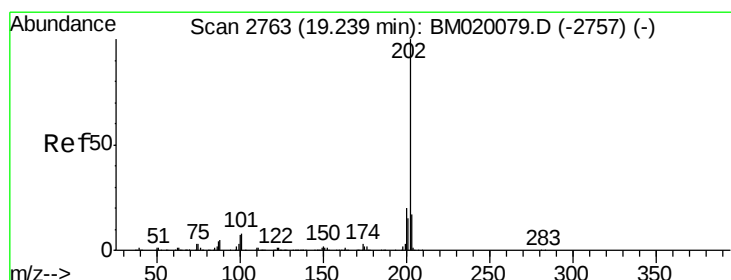
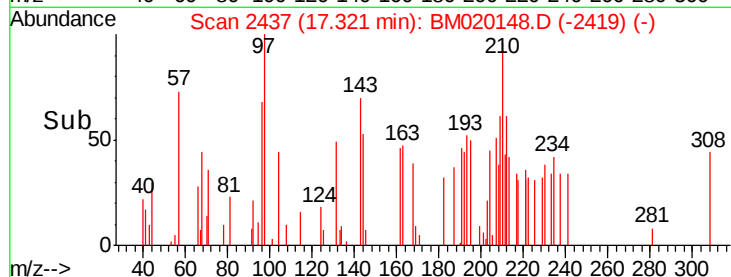
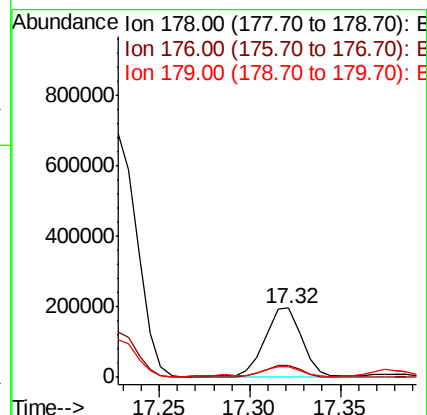
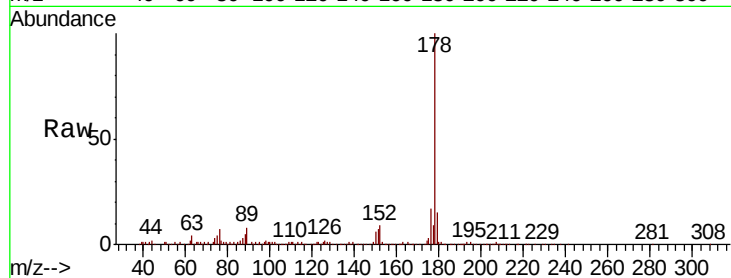




#72
 Anthracene
 Concen: 5.870 ng
 RT: 17.32 min Scan# 2437
 Delta R.T. 0.01 min
 Lab File: BM020148.D
 Acq: 06 May 2019 22:38

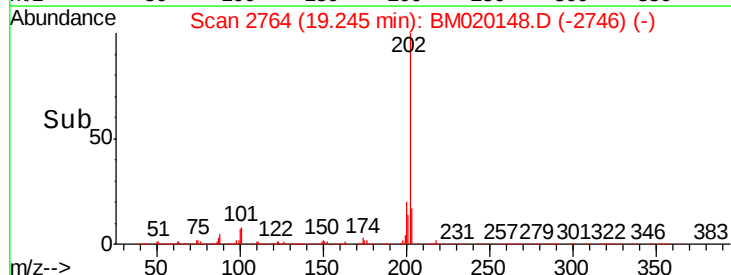
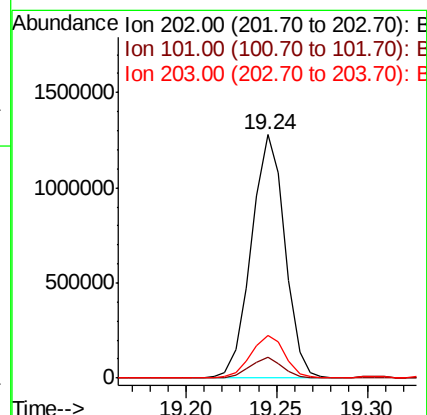
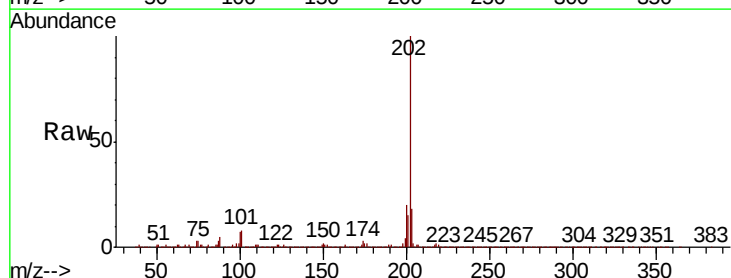
Instrument :
 BNA_M
 ClientSampleId :
 SB-15-COMP

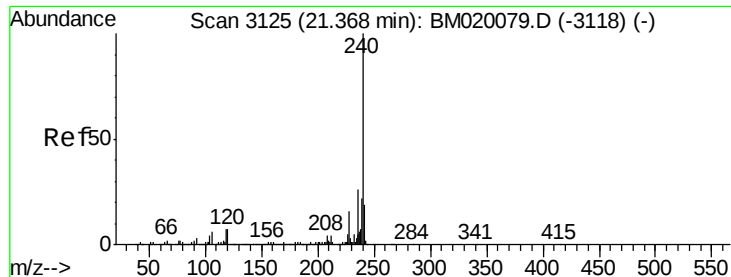
Tgt Ion:178 Resp: 276518
 Ion Ratio Lower Upper
 178 100
 176 17.2 14.6 22.0
 179 15.2 12.4 18.6



#75
 Fluoranthene
 Concen: 27.481 ng
 RT: 19.24 min Scan# 2764
 Delta R.T. 0.01 min
 Lab File: BM020148.D
 Acq: 06 May 2019 22:38

Tgt Ion:202 Resp: 1638319
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 28.4
 203 17.6 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.37 min Scan# 3125

Delta R.T. 0.00 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Instrument :

BNA_M

ClientSampleId :

SB-15-COMP

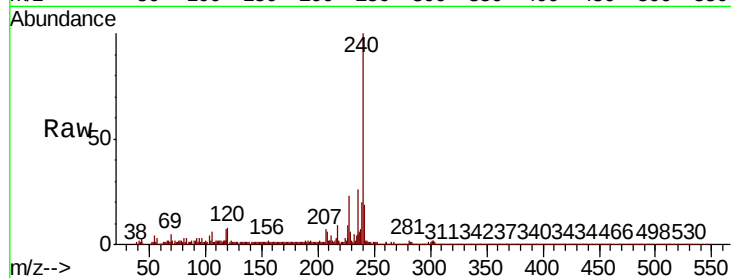
Tgt Ion:240 Resp: 847907

Ion Ratio Lower Upper

240 100

120 7.6 5.6 8.4

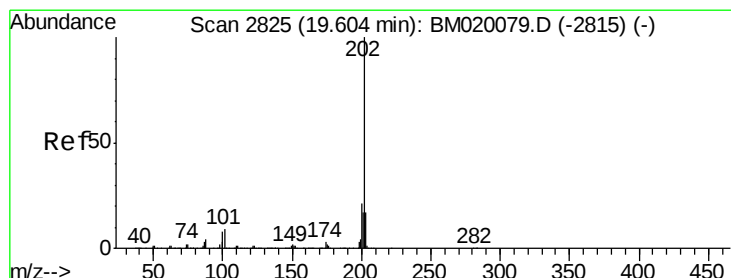
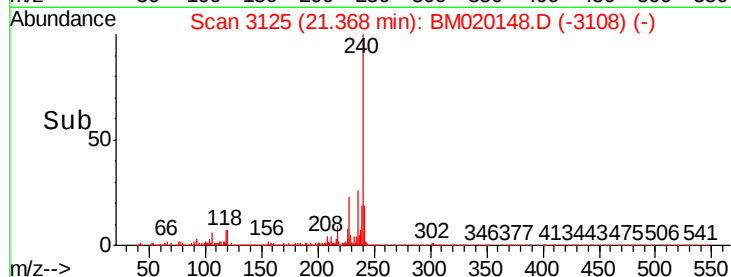
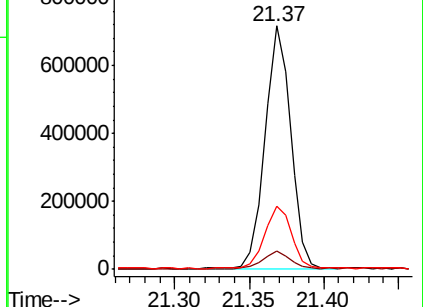
236 26.2 20.9 31.3



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: 30.045 ng

RT: 19.61 min Scan# 2826

Delta R.T. 0.01 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

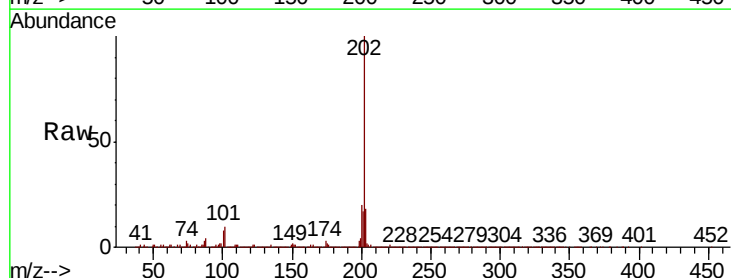
Tgt Ion:202 Resp: 1710367

Ion Ratio Lower Upper

202 100

200 19.9 16.5 24.7

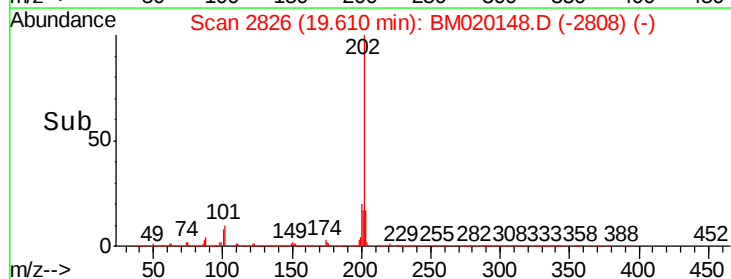
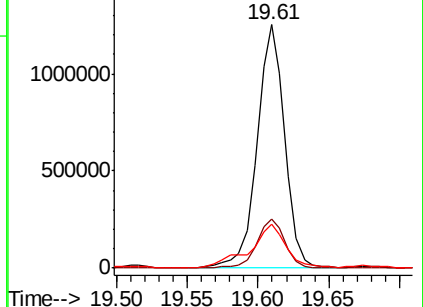
203 17.9 13.9 20.9

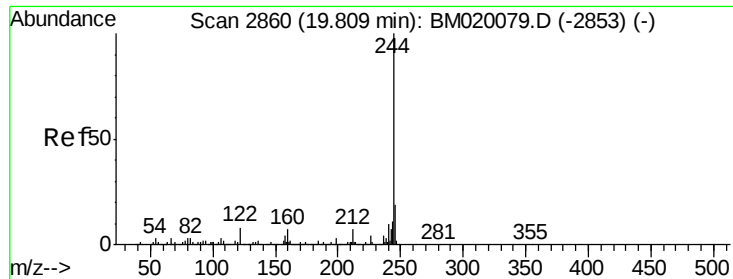


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 40.358 ng

RT: 19.81 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Instrument :

BNA_M

ClientSampleId :

SB-15-COMP

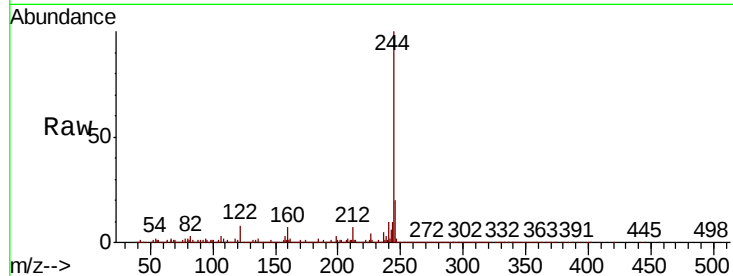
Tgt Ion:244 Resp: 1961882

Ion Ratio Lower Upper

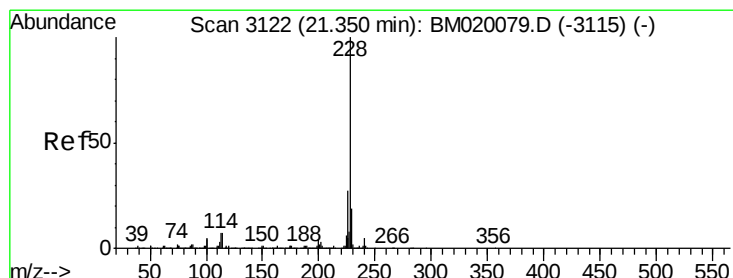
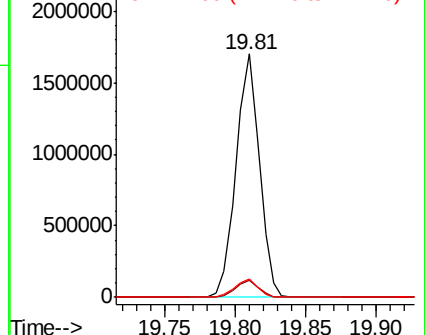
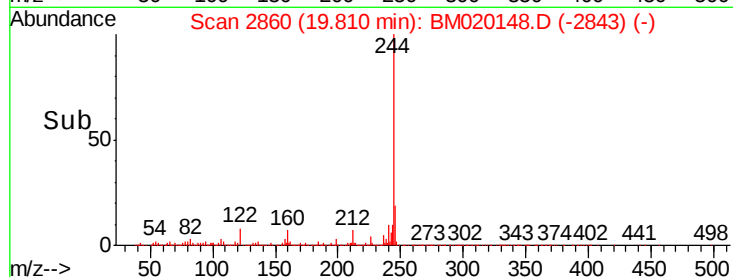
244 100

212 7.0 5.7 8.5

122 7.6 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: 15.478 ng

RT: 21.36 min Scan# 3123

Delta R.T. 0.01 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

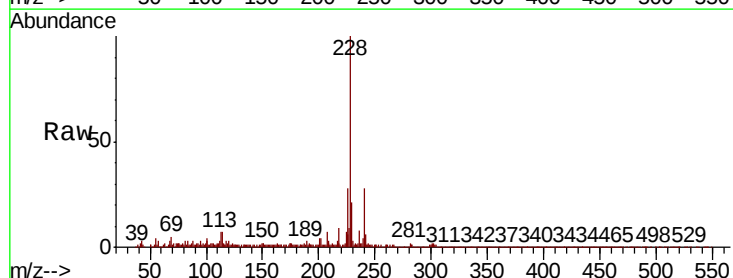
Tgt Ion:228 Resp: 920405

Ion Ratio Lower Upper

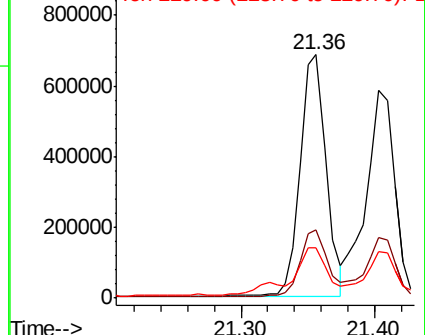
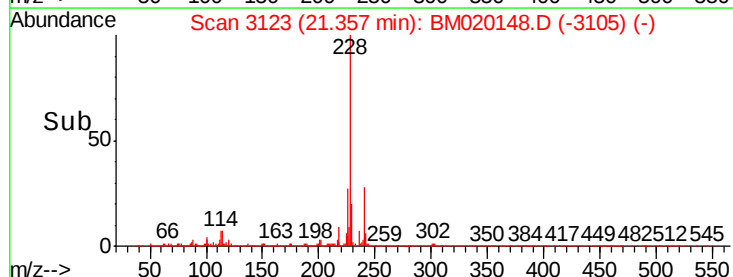
228 100

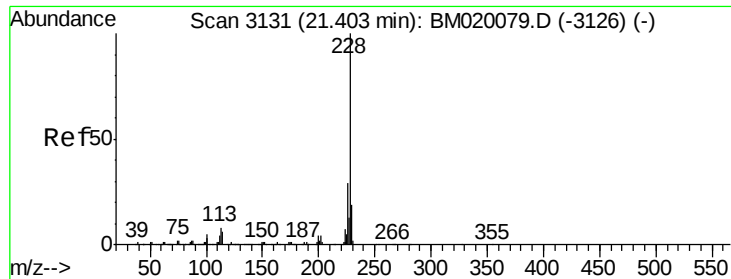
226 27.9 21.3 31.9

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: 14.913 ng

RT: 21.40 min Scan# 3131

Delta R.T. 0.00 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Instrument :

BNA_M

ClientSampleId :

SB-15-COMP

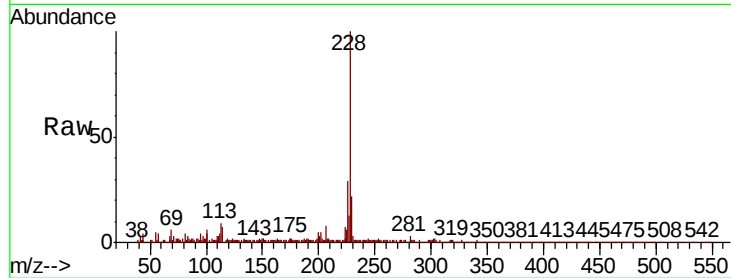
Tgt Ion:228 Resp: 860007

Ion Ratio Lower Upper

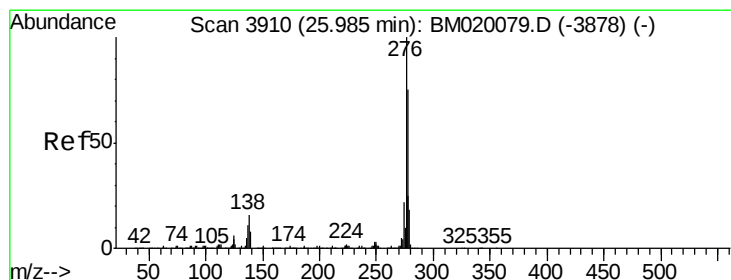
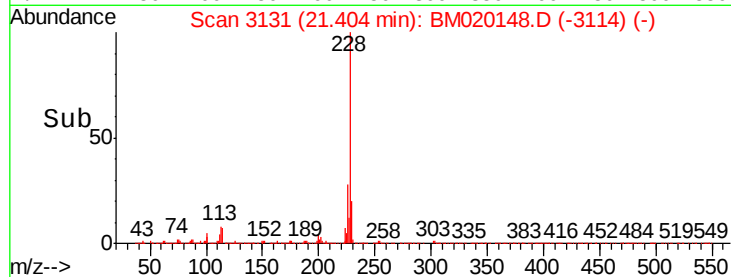
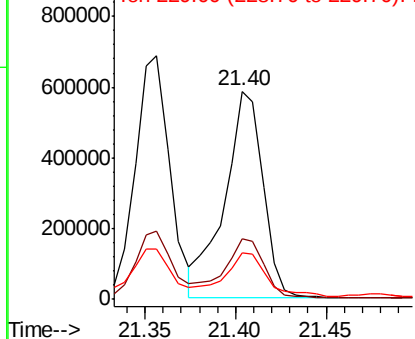
228 100

226 28.9 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: 7.494 ng

RT: 26.00 min Scan# 3913

Delta R.T. 0.02 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

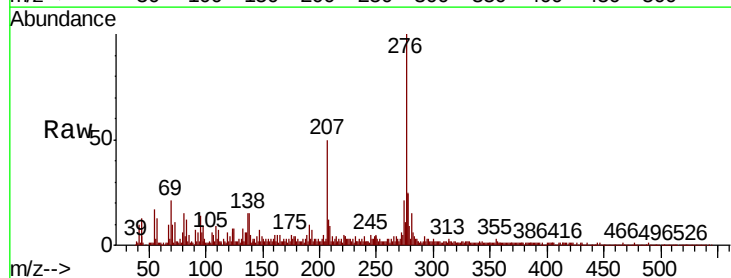
Tgt Ion:276 Resp: 514092

Ion Ratio Lower Upper

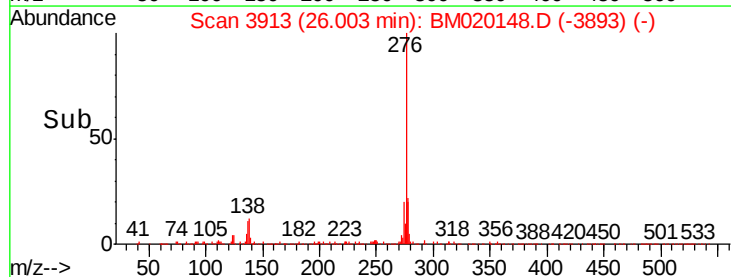
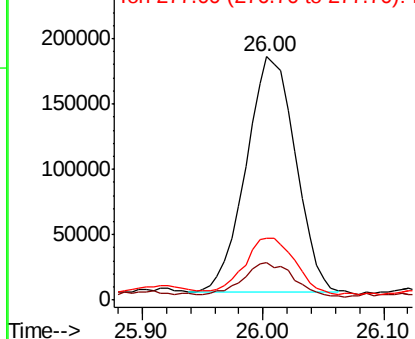
276 100

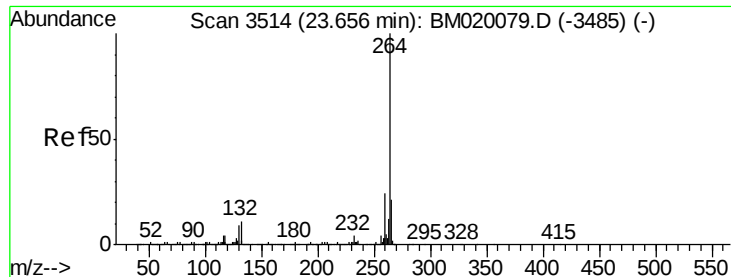
138 14.0 0.0 0.0#

277 24.3 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: 23.67 min Scan# 3516

Delta R.T. 0.01 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Instrument :

BNA_M

ClientSampleId :

SB-15-COMP

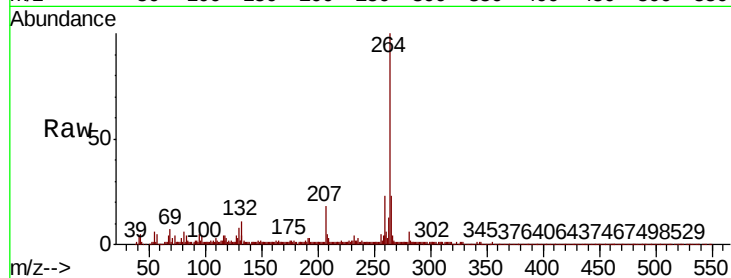
Tgt Ion:264 Resp: 996131

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

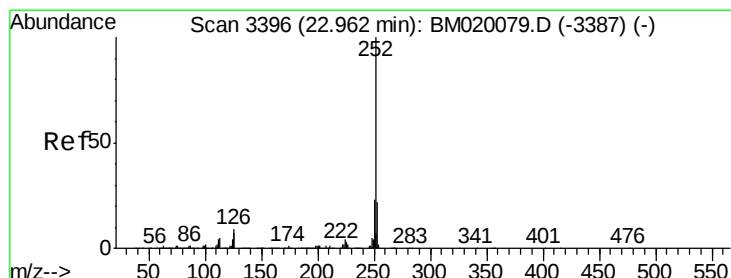
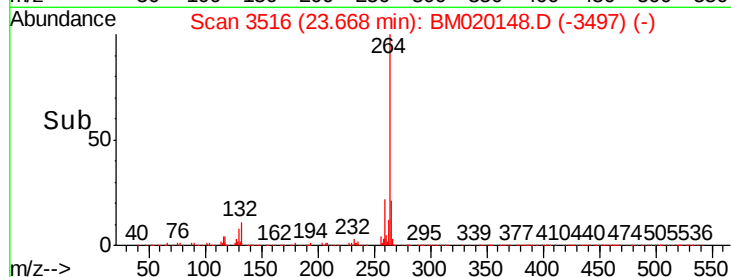
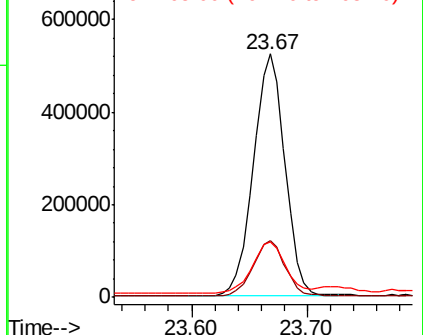
265 22.6 16.9 25.3



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: 16.229 ng

RT: 22.97 min Scan# 3398

Delta R.T. 0.01 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

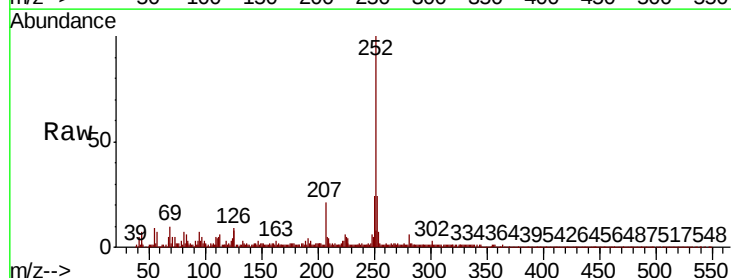
Tgt Ion:252 Resp: 1067539

Ion Ratio Lower Upper

252 100

253 24.1 17.5 26.3

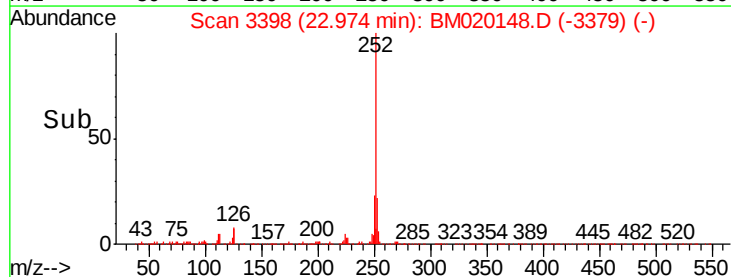
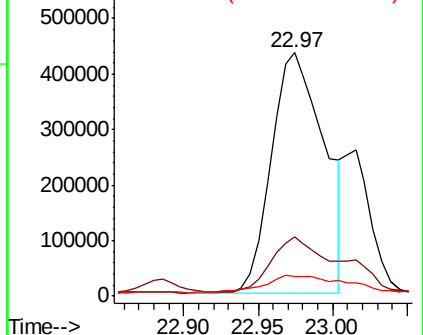
125 8.3 5.4 8.2#

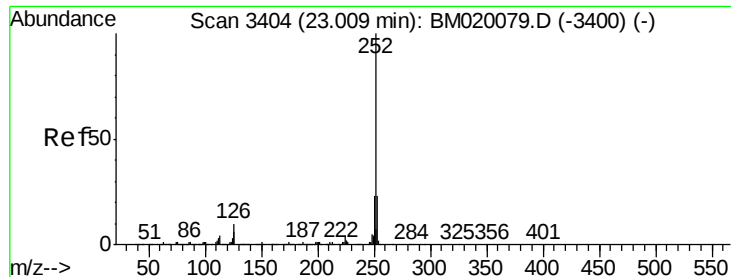


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 17.623 ng

RT: 22.97 min Scan# 3398

Delta R.T. -0.04 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Instrument :

BNA_M

ClientSampleId :

SB-15-COMP

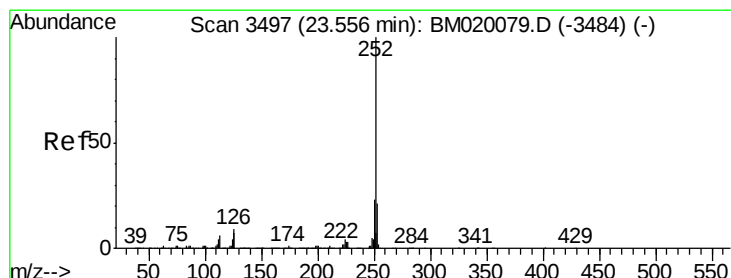
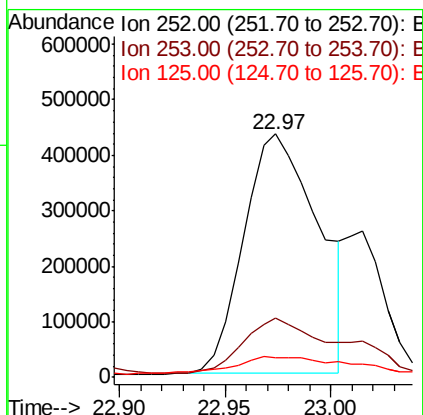
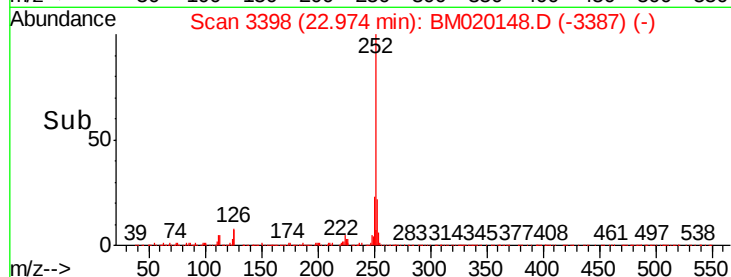
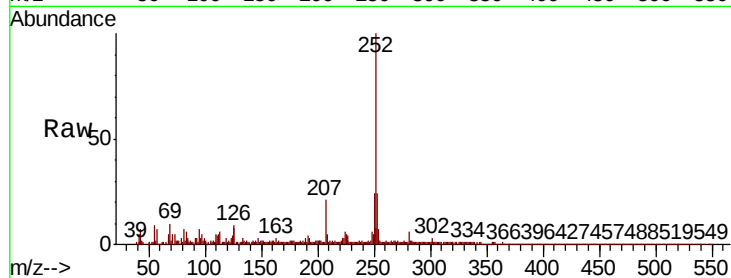
Tgt Ion:252 Resp: 1057420

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.8

125 8.3 5.4 8.0#



#90

Benzo(a)pyrene

Concen: 14.055 ng

RT: 23.57 min Scan# 3499

Delta R.T. 0.01 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

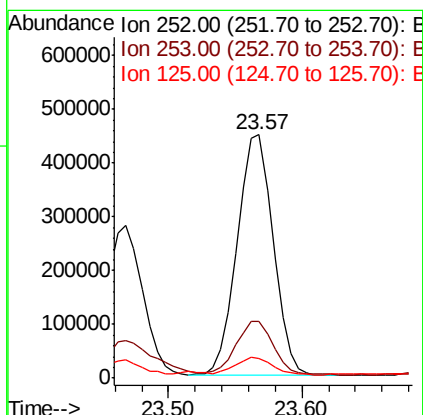
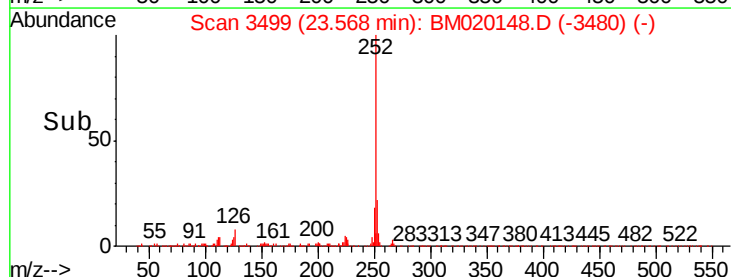
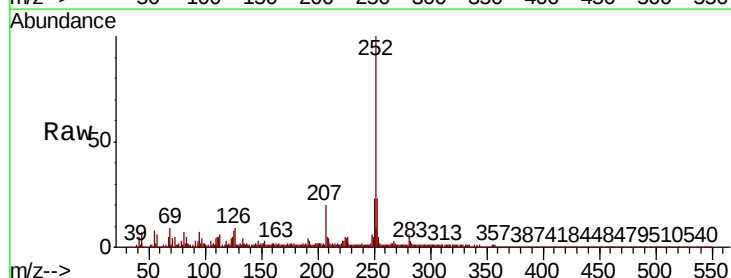
Tgt Ion:252 Resp: 839777

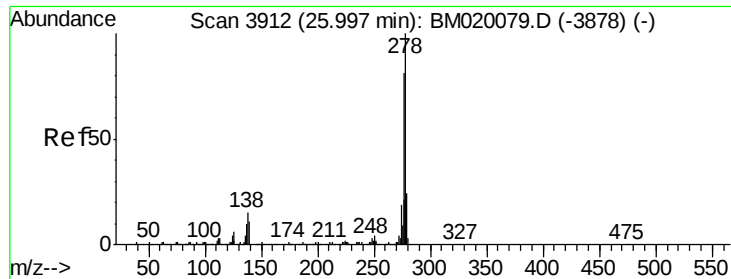
Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

125 8.3 5.5 8.3#





#91

Dibenzo(a,h)anthracene

Concen: 2.329 ng

RT: 26.02 min Scan# 3915

Delta R.T. 0.02 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Instrument :

BNA_M

ClientSampleId :

SB-15-COMP

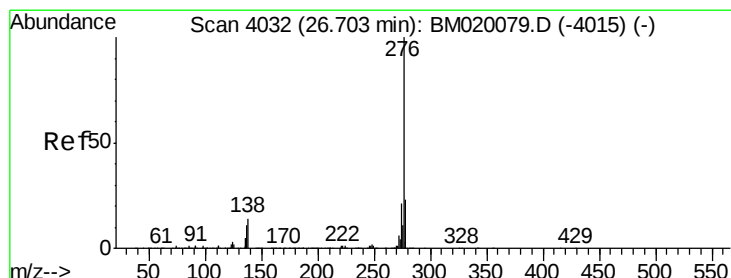
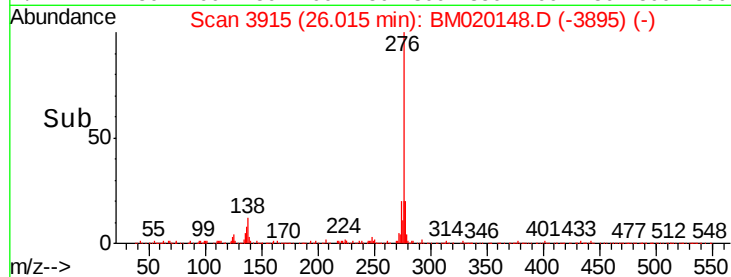
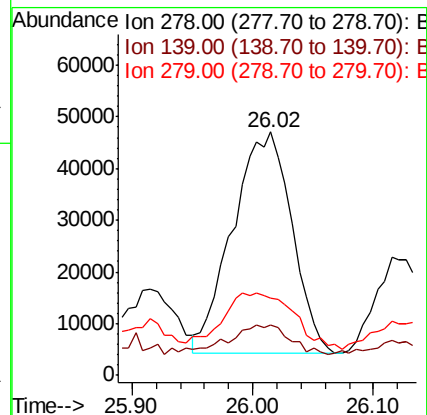
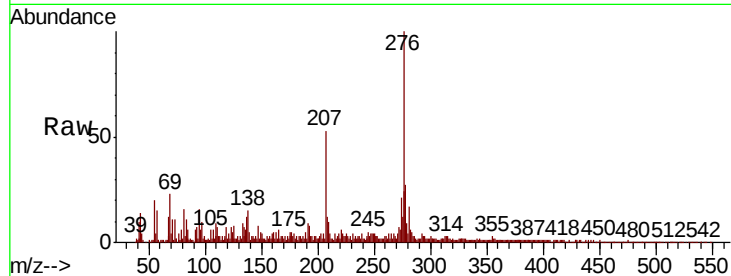
Tgt Ion:278 Resp: 144721

Ion Ratio Lower Upper

278 100

139 20.5 8.6 13.0#

279 31.9 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 8.810 ng

RT: 26.73 min Scan# 4036

Delta R.T. 0.02 min

Lab File: BM020148.D

Acq: 06 May 2019 22:38

Tgt Ion:276 Resp: 519707

Ion Ratio Lower Upper

276 100

277 25.8 18.4 27.6

138 15.4 11.1 16.7

