

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050619\
 Data File : BM020156.D
 Acq On : 07 May 2019 06:26
 Operator : JU/SJ
 Sample : K2673-06 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-13-COMP

Quant Time: May 07 07:39:30 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	153460	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	554287	20.00	ng	0.00
39) Acenaphthene-d10	14.44	164	311620	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	718459	20.00	ng	0.00
76) Chrysene-d12	21.37	240	741114	20.00	ng	0.00
87) Perylene-d12	23.67	264	862357	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	291476	31.05	ng	0.00
7) Phenol-d6	6.96	99	400933	31.26	ng	0.00
23) Nitrobenzene-d5	8.96	82	261690	18.64	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	143943	29.76	ng	0.01
45) 2-Fluorobiphenyl	13.05	172	445799	17.60	ng	0.00
79) Terphenyl-d14	19.81	244	642394	15.12	ng	0.00

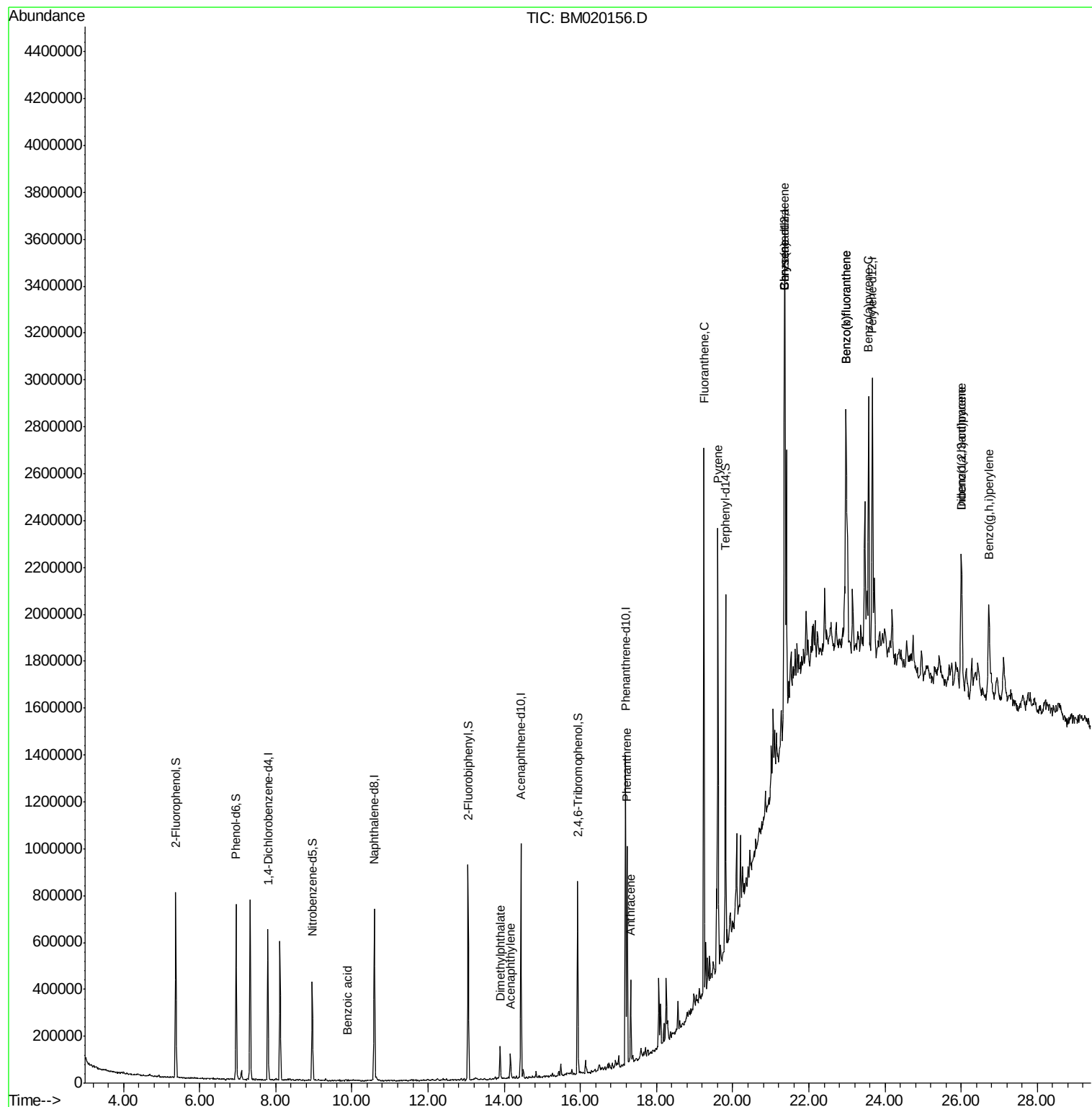
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.88	122	107	6.628	ng	# 24
49) Acenaphthylene	14.16	152	76900	2.346	ng	97
50) Dimethylphthalate	13.89	163	72254	2.728	ng	98
71) Phenanthrene	17.23	178	526903	13.286	ng	99
72) Anthracene	17.32	178	203908	5.142	ng	98
75) Fluoranthene	19.24	202	1370062	27.303	ng	99
78) Pyrene	19.61	202	1135548	22.822	ng	99
81) Benzo(a)anthracene	21.36	228	753508	14.498	ng	96
83) Chrysene	21.36	228	751433	14.908	ng	99
86) Indeno(1,2,3-cd)pyrene	26.00	276	565580	9.433	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	952768	16.731	ng	# 96
89) Benzo(k)fluoranthene	22.97	252	946859	18.228	ng	# 96
90) Benzo(a)pyrene	23.57	252	797033	15.409	ng	# 95
91) Dibenzo(a,h)anthracene	26.01	278	152668	2.838	ng	# 81
92) Benzo(g,h,i)perylene	26.73	276	512898	10.043	ng	96

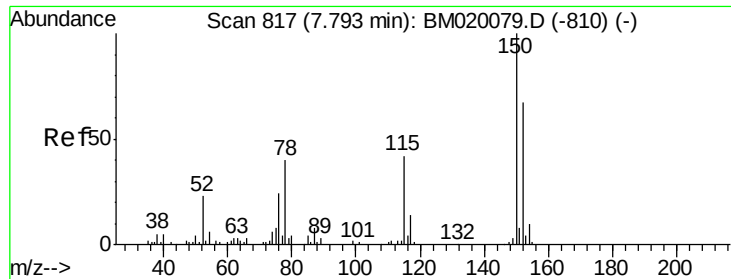
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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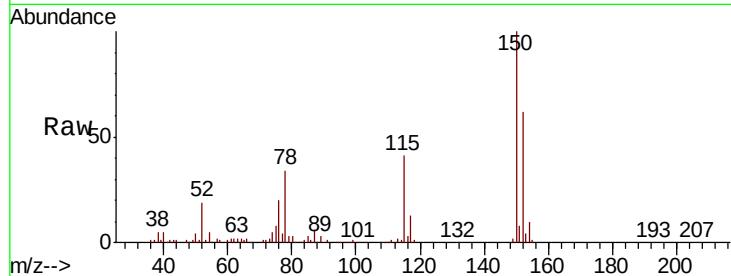


#1

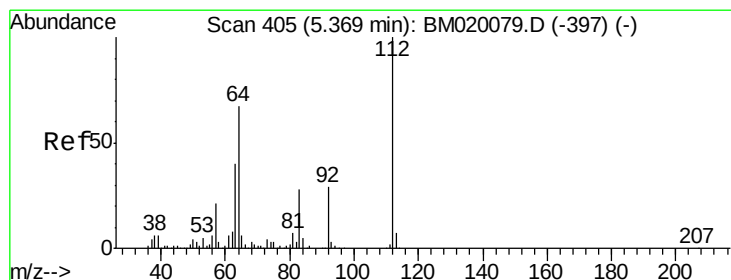
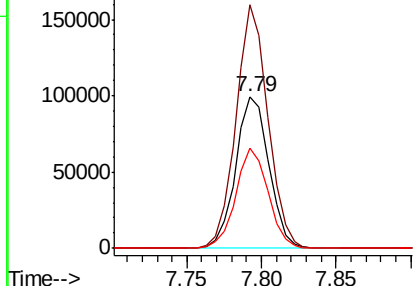
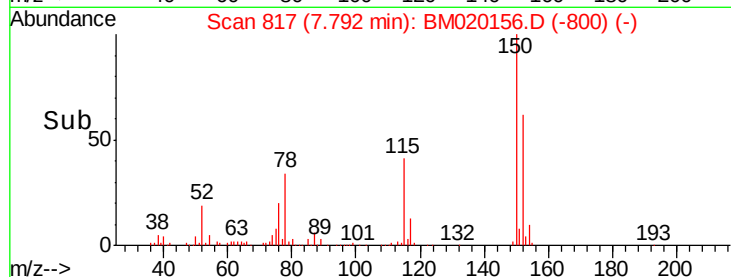
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 817
Delta R.T. -0.00 min
Lab File: BM020156.D
Acq: 07 May 2019 06:26

Instrument :
BNA_M
ClientSampleId :
SB-13-COMP

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.4	119.8	179.8
115	65.8	50.8	76.2



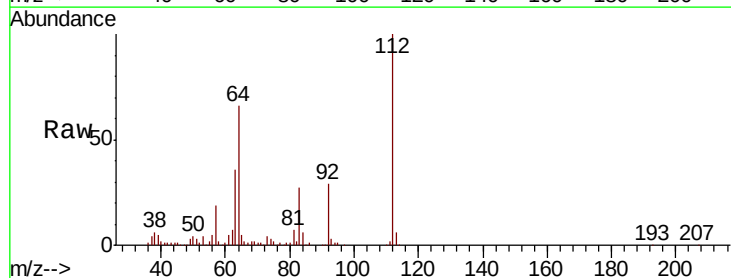
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



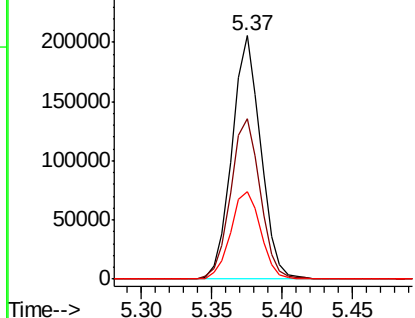
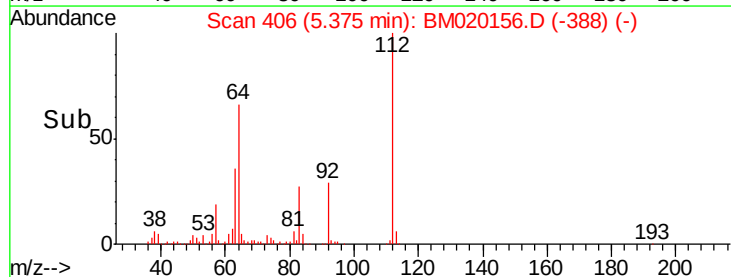
#5

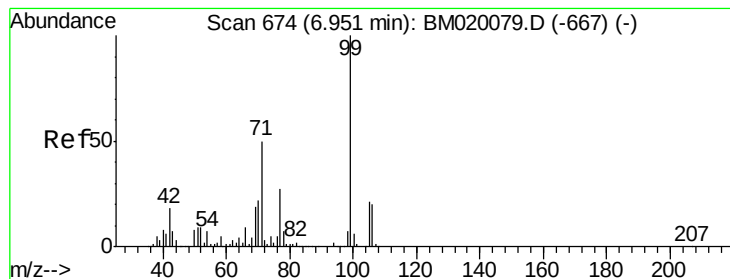
2-Fluorophenol
Concen: 31.047 ng
RT: 5.37 min Scan# 406
Delta R.T. 0.01 min
Lab File: BM020156.D
Acq: 07 May 2019 06:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.7	53.8	80.6
63	36.2	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: 31.260 ng

RT: 6.96 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

Instrument :

BNA_M

ClientSampleId :

SB-13-COMP

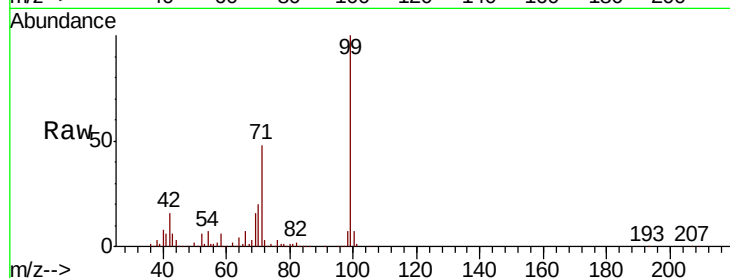
Tgt Ion: 99 Resp: 400933

Ion Ratio Lower Upper

99 100

42 15.7 14.2 21.2

71 47.6 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020156.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM020156.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM020156.D (-657) (-)

300000

200000

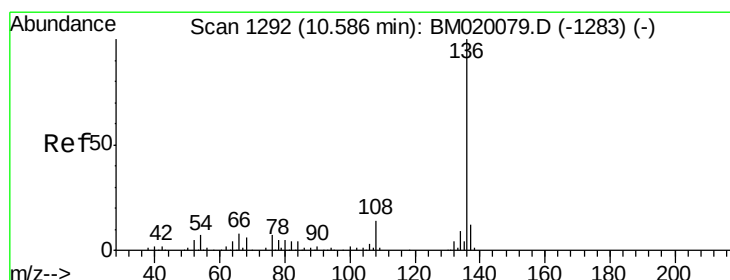
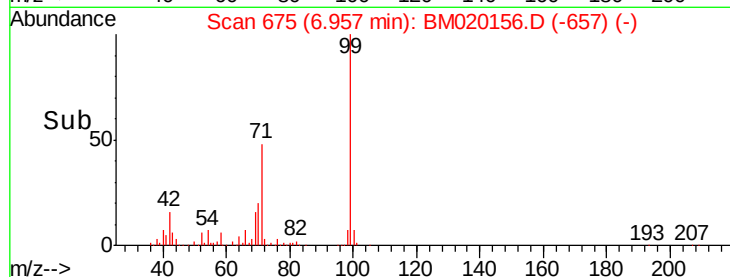
100000

0

6.96

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: BM020156.D

Acq: 07 May 2019 06:26

Tgt Ion: 136 Resp: 554287

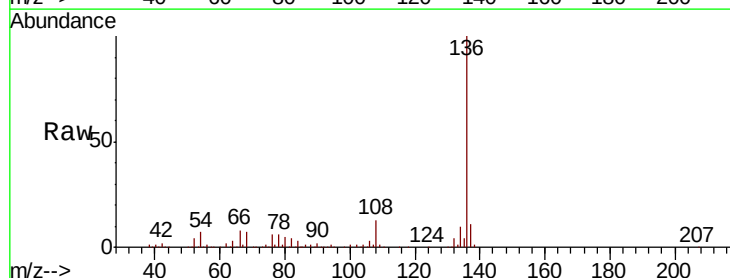
Ion Ratio Lower Upper

136 100

137 11.1 9.6 14.4

54 6.7 5.5 8.3

68 6.9 4.6 6.8#



Abundance Ion 136.00 (135.70 to 136.70): BM020156.D (-1275) (-)

Ion 137.00 (136.70 to 137.70): BM020156.D (-1275) (-)

Ion 54.00 (53.70 to 54.70): BM020156.D (-1275) (-)

Ion 68.00 (67.70 to 68.70): BM020156.D (-1275) (-)

500000

400000

300000

200000

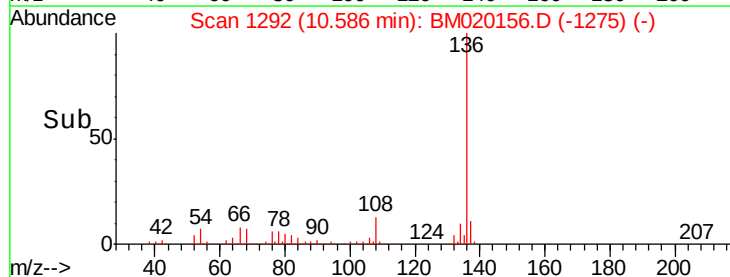
100000

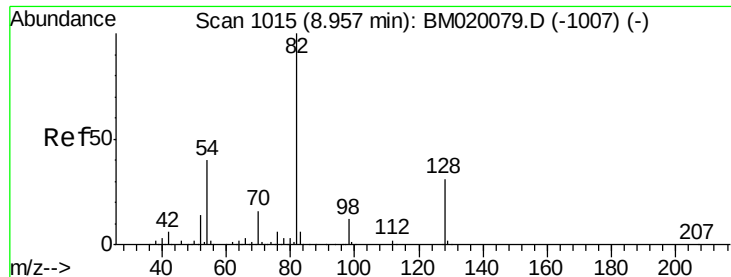
0

10.59

10.50 10.60

Time-->

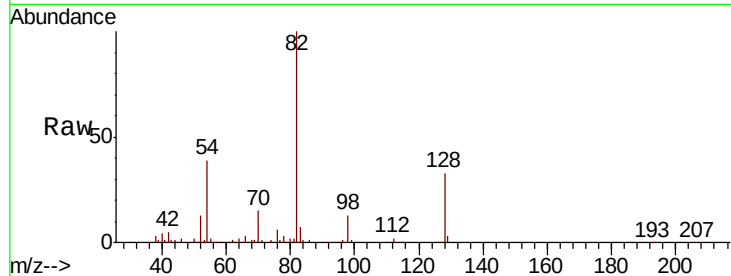




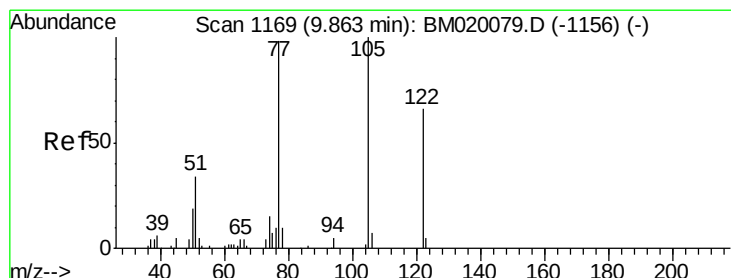
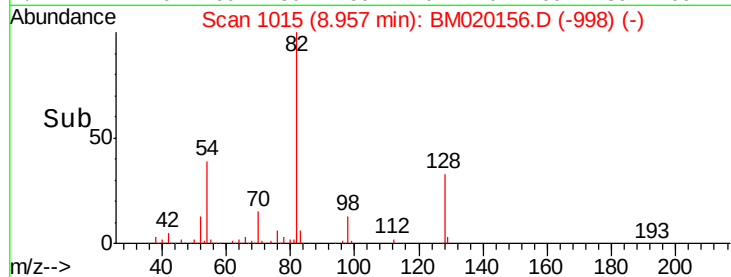
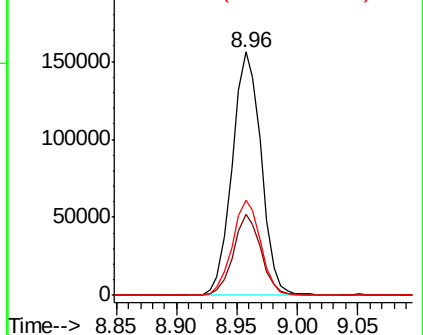
#23
 Nitrobenzene-d5
 Concen: 18.639 ng
 RT: 8.96 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: BM020156.D
 Acq: 07 May 2019 06:26

Instrument :
 BNA_M
 ClientSampleId :
 SB-13-COMP

Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.3	25.2	37.8
54	38.8	31.9	47.9

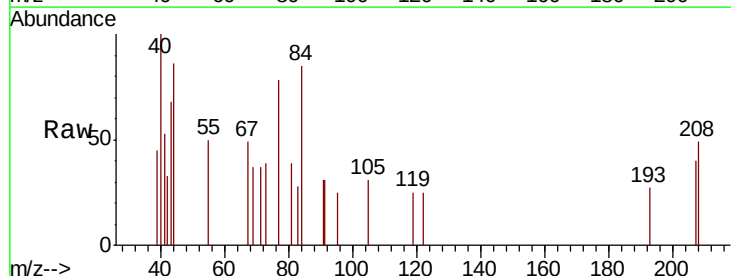


Abundance Ion 82.00 (81.70 to 82.70): BM020079.D (-1007) (-)

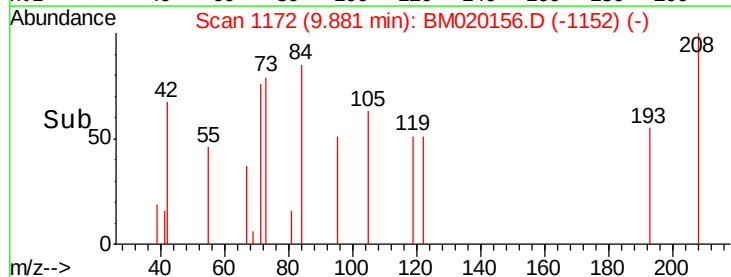
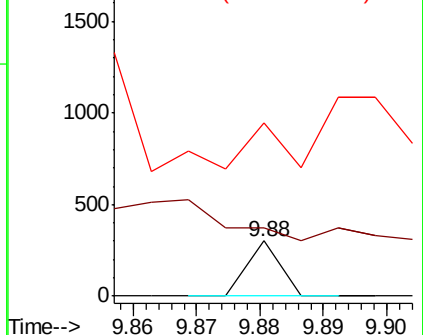


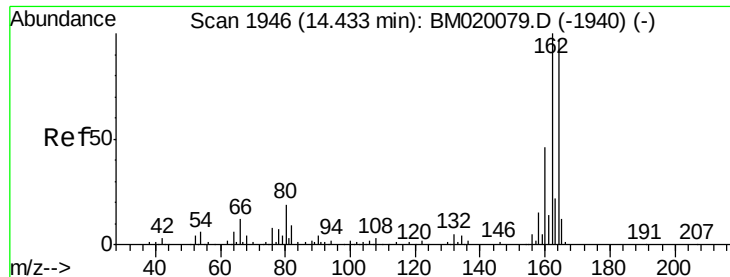
#32
 Benzoic acid
 Concen: 6.628 ng
 RT: 9.88 min Scan# 1172
 Delta R.T. 0.02 min
 Lab File: BM020156.D
 Acq: 07 May 2019 06:26

Tgt Ion	Ratio	Lower	Upper
122	100		
105	124.5	122.5	162.5
77	313.2	123.3	163.3#



Abundance Ion 122.00 (121.70 to 122.70): BM020079.D (-1156) (-)





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.44 min Scan# 1947

Delta R.T. 0.01 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

Instrument :

BNA_M

ClientSampleId :

SB-13-COMP

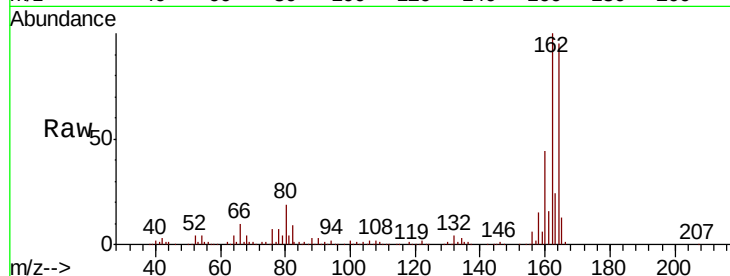
Tgt Ion:164 Resp: 311620

Ion Ratio Lower Upper

164 100

162 104.9 82.2 123.2

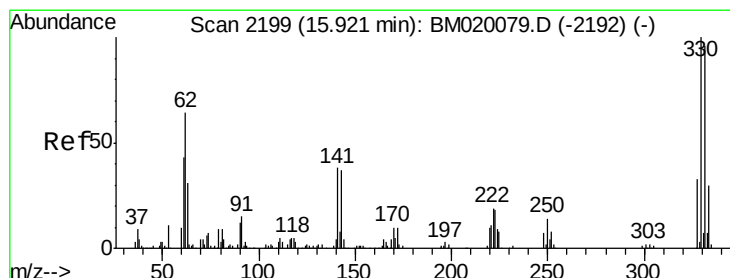
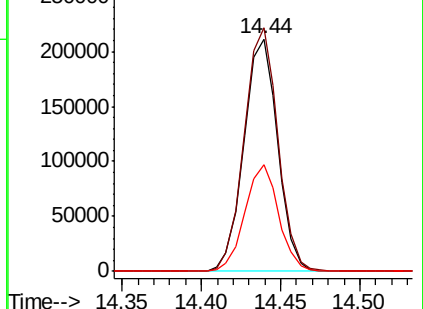
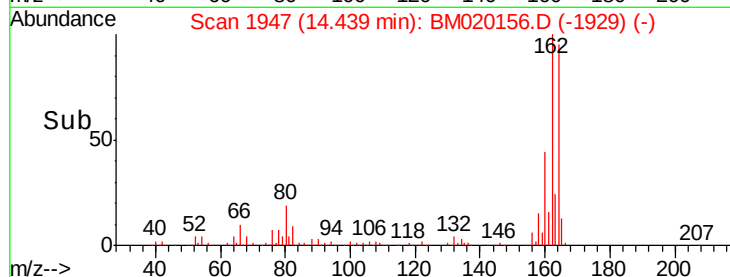
160 46.2 37.6 56.4



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: 29.759 ng

RT: 15.93 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

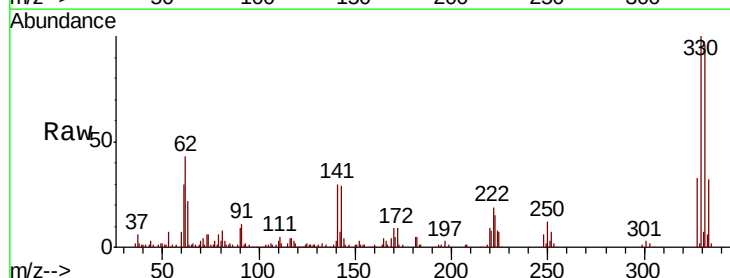
Tgt Ion:330 Resp: 143943

Ion Ratio Lower Upper

330 100

332 97.4 76.8 115.2

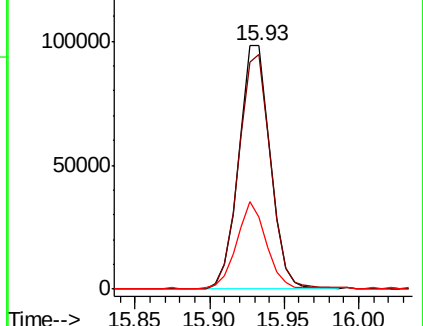
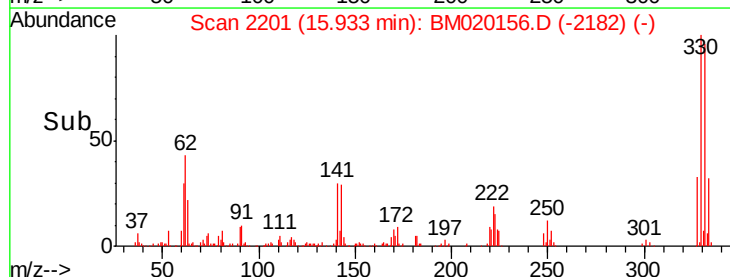
141 33.2 29.2 43.8

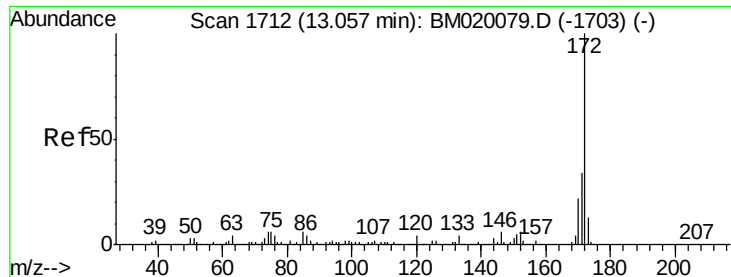


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

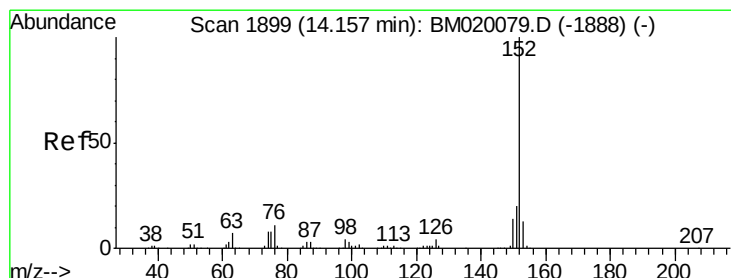
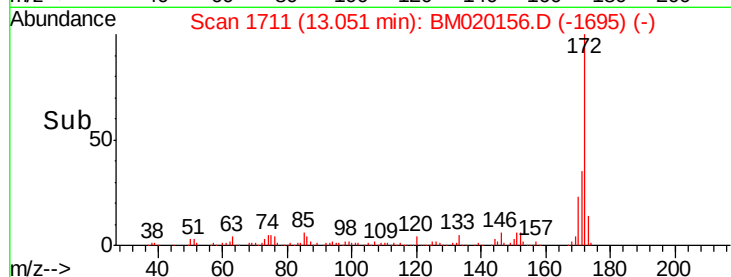
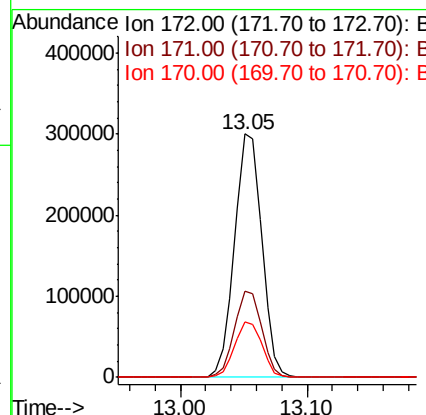
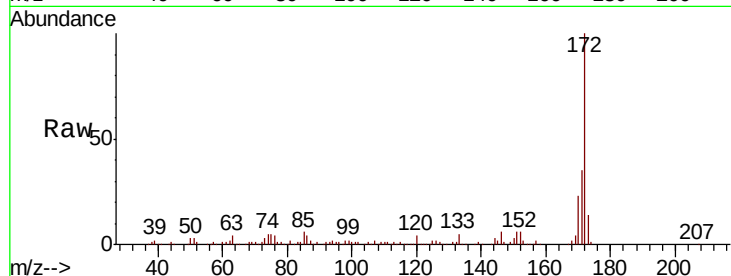




#45
2-Fluorobiphenyl
Concen: 17.601 ng
RT: 13.05 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BM020156.D
Acq: 07 May 2019 06:26

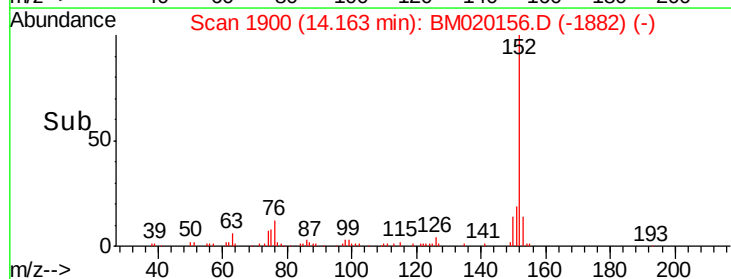
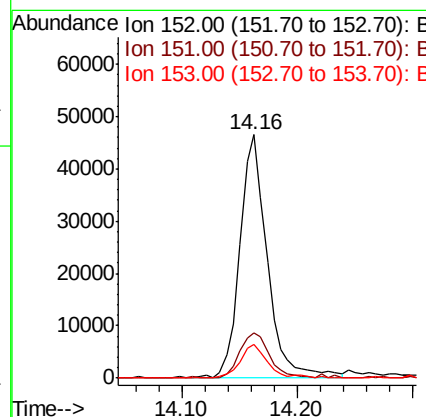
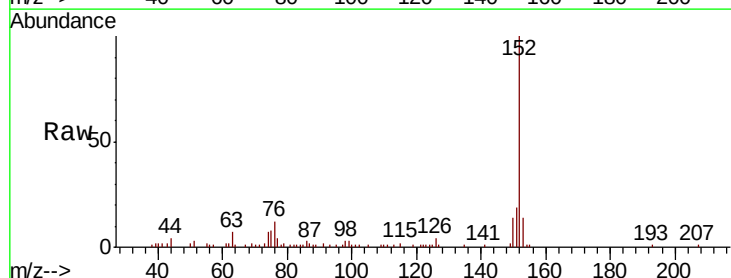
Instrument :
BNA_M
ClientSampleId :
SB-13-COMP

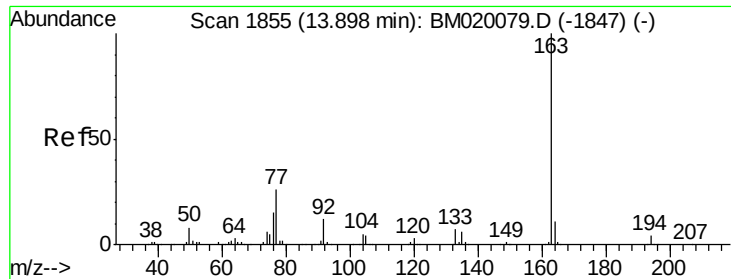
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.3	40.9
170	22.9	17.9	26.9



#49
Acenaphthylene
Concen: 2.346 ng
RT: 14.16 min Scan# 1900
Delta R.T. 0.01 min
Lab File: BM020156.D
Acq: 07 May 2019 06:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.6	16.2	24.2
153	14.0	10.6	16.0





#50

Dimethylphthalate

Concen: 2.728 ng

RT: 13.89 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

Instrument :

BNA_M

ClientSampleId :

SB-13-COMP

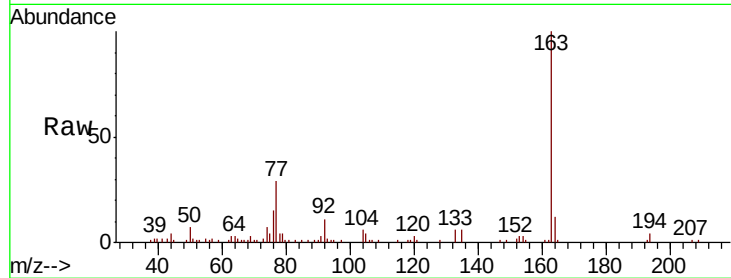
Tgt Ion:163 Resp: 72254

Ion Ratio Lower Upper

163 100

194 4.4 3.6 5.4

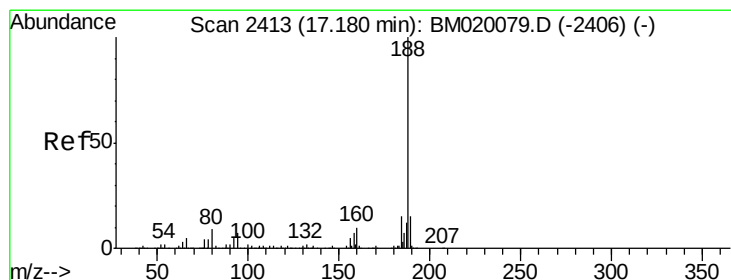
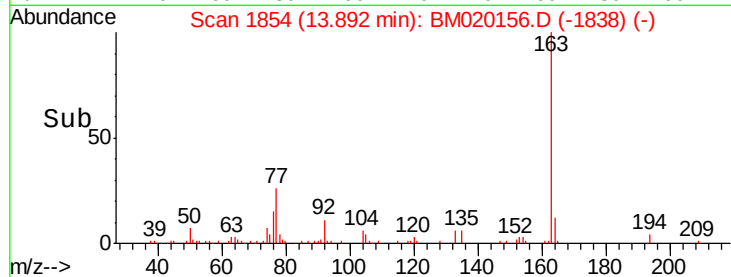
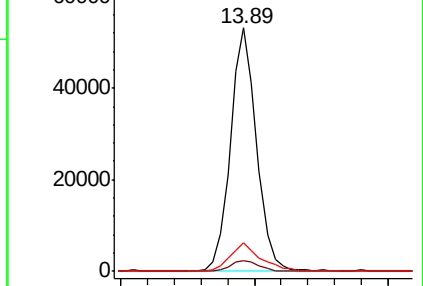
164 11.8 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.19 min Scan# 2414

Delta R.T. 0.01 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

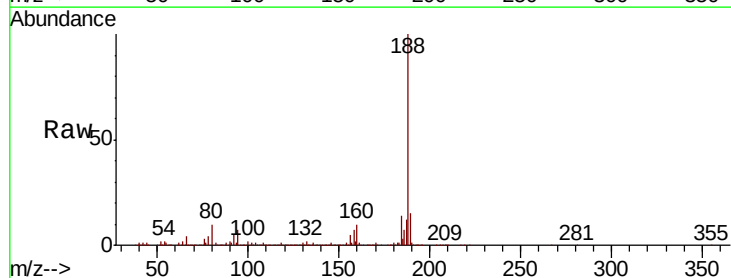
Tgt Ion:188 Resp: 718459

Ion Ratio Lower Upper

188 100

94 7.3 5.8 8.6

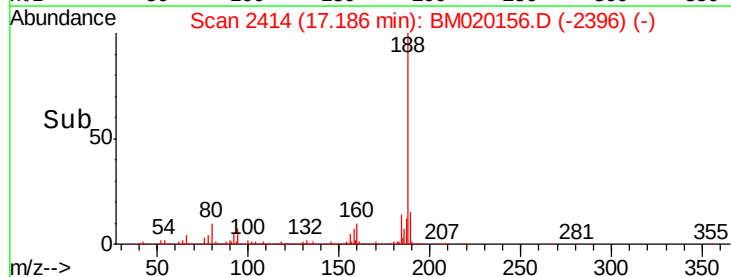
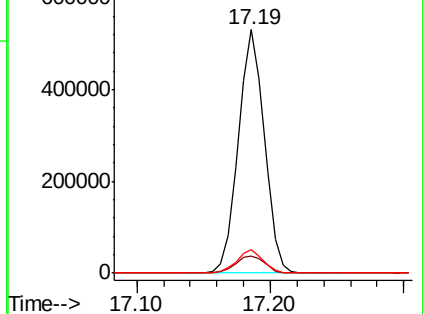
80 9.7 7.4 11.2

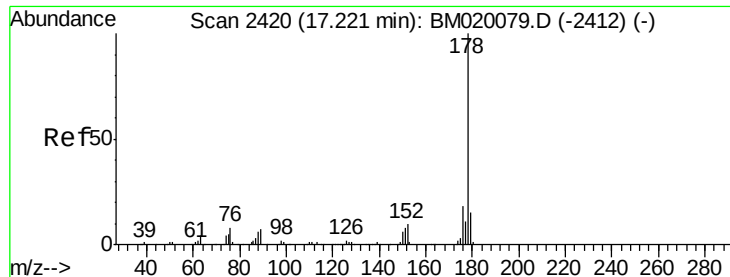


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM

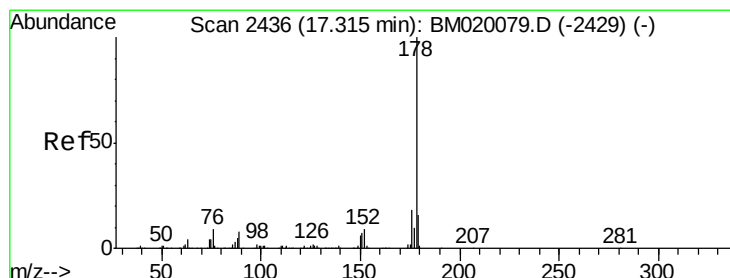
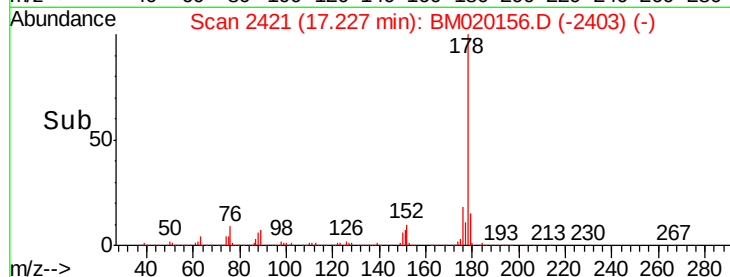
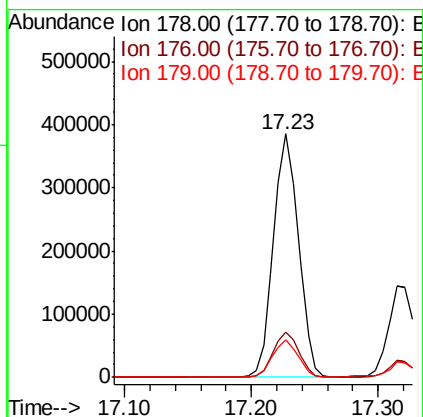
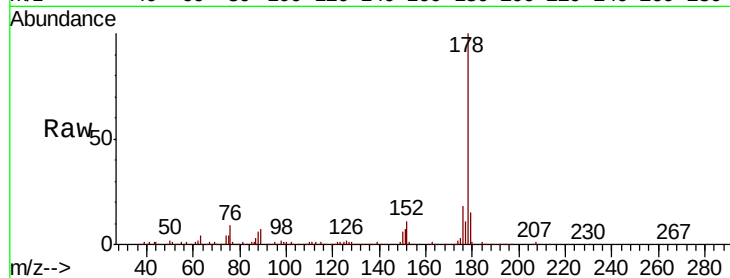




#71
Phenanthrene
Concen: 13.286 ng
RT: 17.23 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BM020156.D
Acq: 07 May 2019 06:26

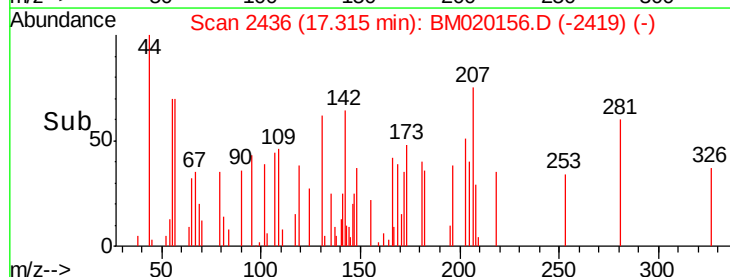
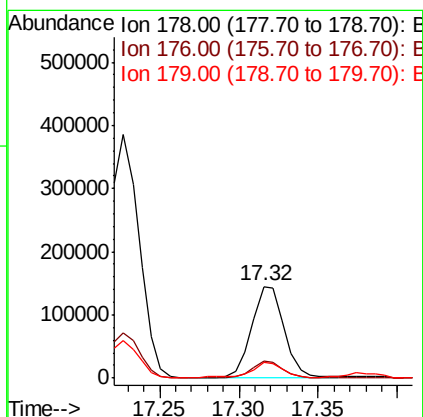
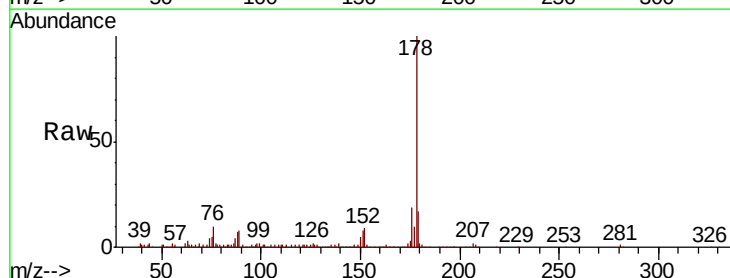
Instrument :
BNA_M
ClientSampleId :
SB-13-COMP

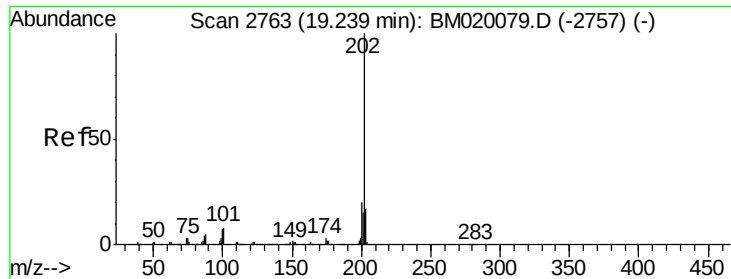
Tgt Ion:178 Resp: 526903
Ion Ratio Lower Upper
178 100
176 18.4 14.6 21.8
179 15.2 12.4 18.6



#72
Anthracene
Concen: 5.142 ng
RT: 17.32 min Scan# 2436
Delta R.T. -0.00 min
Lab File: BM020156.D
Acq: 07 May 2019 06:26

Tgt Ion:178 Resp: 203908
Ion Ratio Lower Upper
178 100
176 18.7 14.6 22.0
179 16.9 12.4 18.6





#75

Fluoranthene

Concen: 27.303 ng

RT: 19.24 min Scan# 2764

Delta R.T. 0.01 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

Instrument :

BNA_M

ClientSampleId :

SB-13-COMP

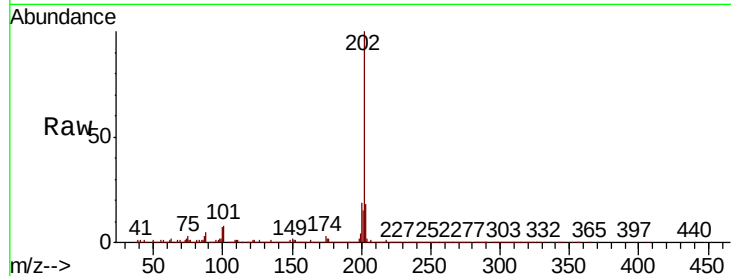
Tgt Ion:202 Resp: 1370062

Ion Ratio Lower Upper

202 100

101 8.5 0.0 28.4

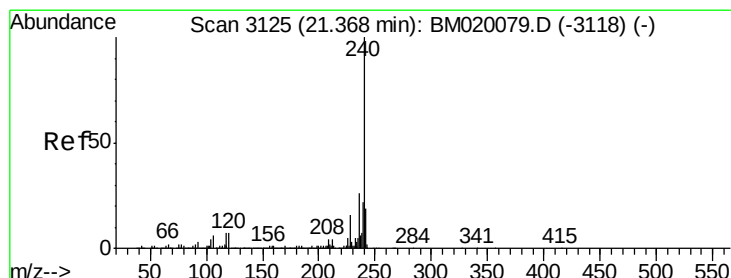
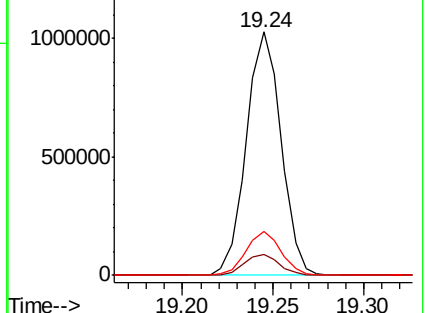
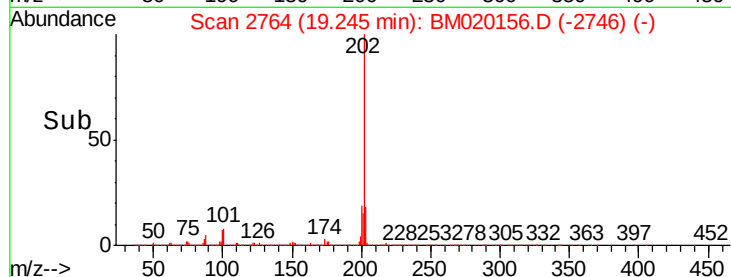
203 18.2 0.0 37.4



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: BM020156.D

Acq: 07 May 2019 06:26

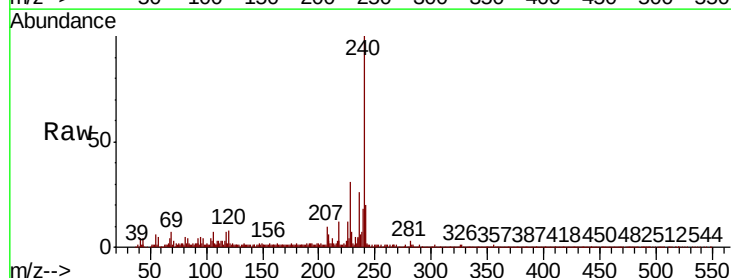
Tgt Ion:240 Resp: 741114

Ion Ratio Lower Upper

240 100

120 7.8 5.6 8.4

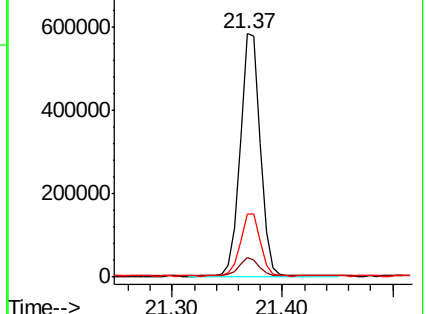
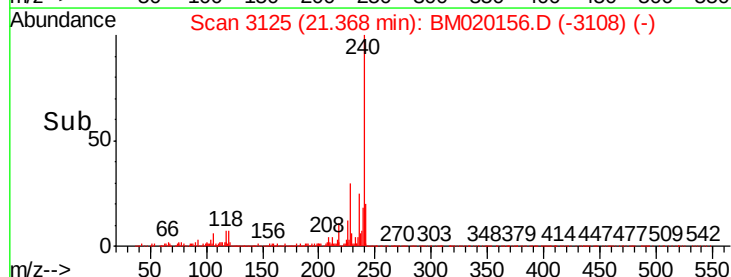
236 25.9 20.9 31.3

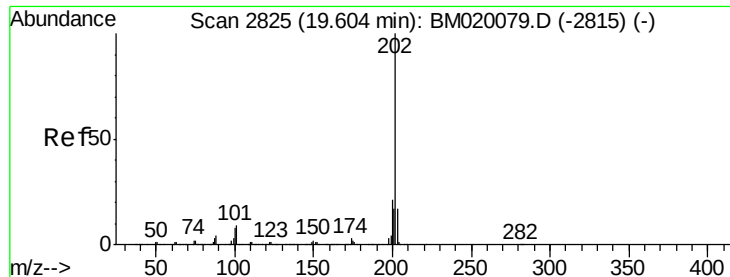


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 22.822 ng

RT: 19.61 min Scan# 2826

Delta R.T. 0.01 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

Instrument :

BNA_M

ClientSampleId :

SB-13-COMP

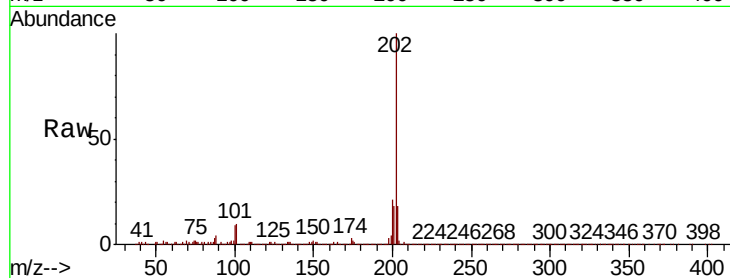
Tgt Ion:202 Resp: 1135548

Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

203 18.0 13.9 20.9

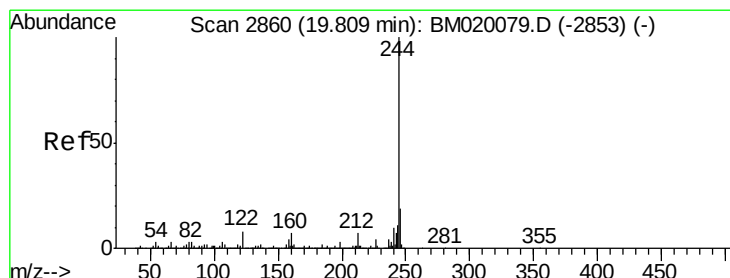
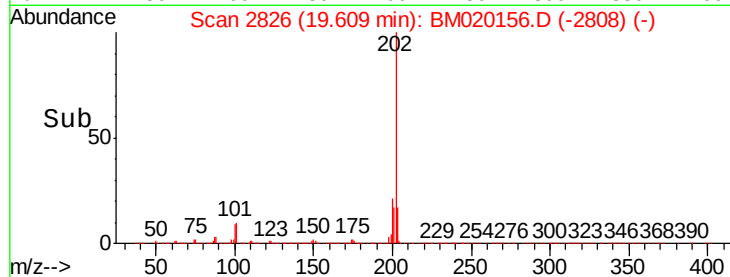
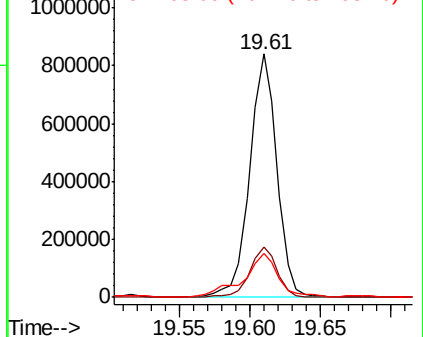


Abundance

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: 15.119 ng

RT: 19.81 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

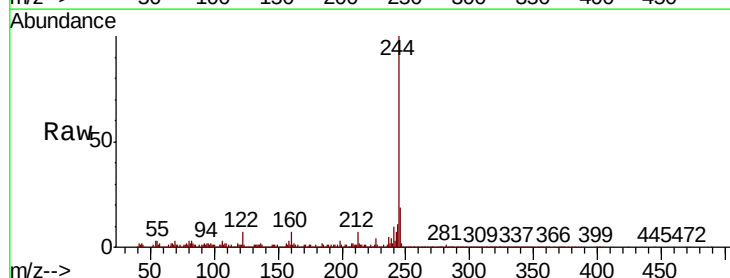
Tgt Ion:244 Resp: 642394

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 7.0 6.2 9.2

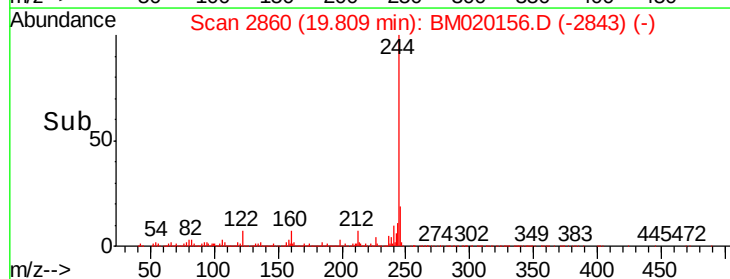
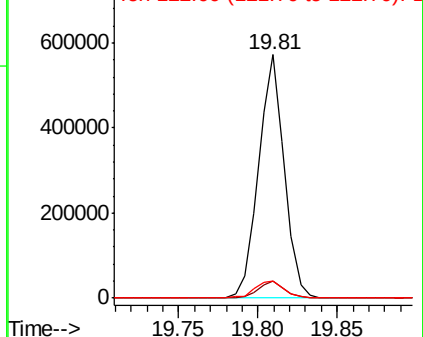


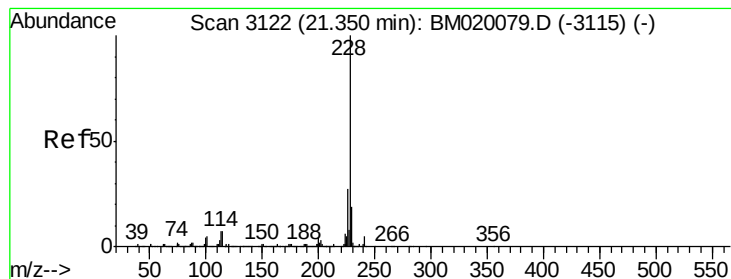
Abundance

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: 14.498 ng

RT: 21.36 min Scan# 3123

Delta R.T. 0.01 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

Instrument :

BNA_M

ClientSampleId :

SB-13-COMP

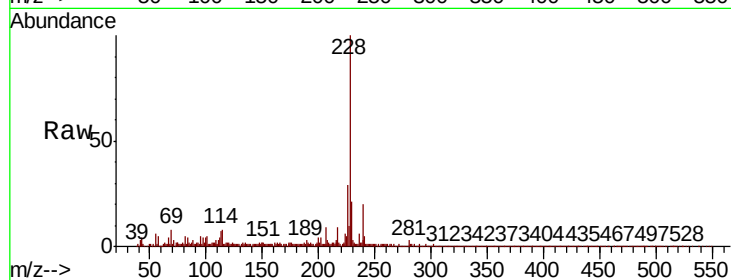
Tgt Ion:228 Resp: 753508

Ion Ratio Lower Upper

228 100

226 28.7 21.3 31.9

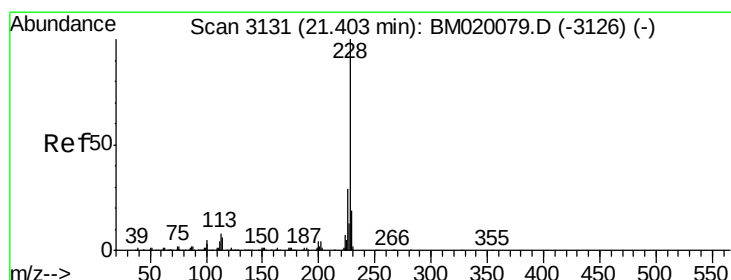
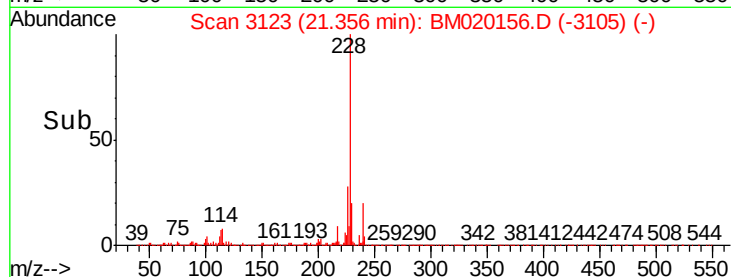
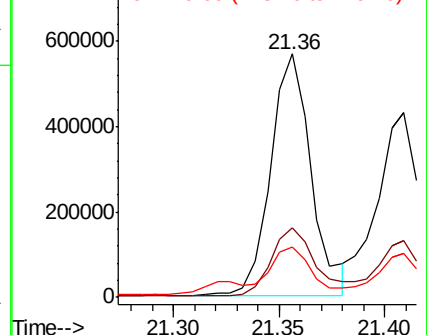
229 20.8 15.5 23.3



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: 14.908 ng

RT: 21.36 min Scan# 3123

Delta R.T. -0.05 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

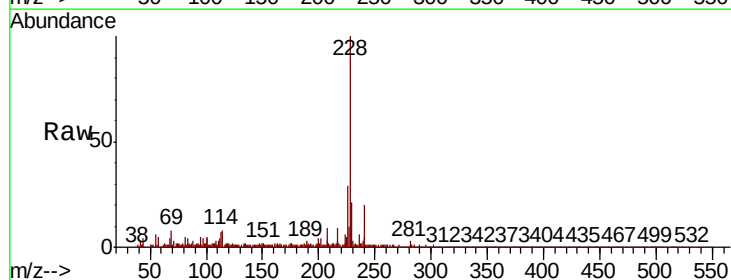
Tgt Ion:228 Resp: 751433

Ion Ratio Lower Upper

228 100

226 28.7 23.0 34.6

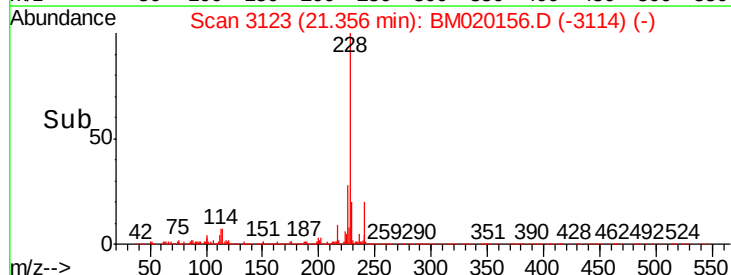
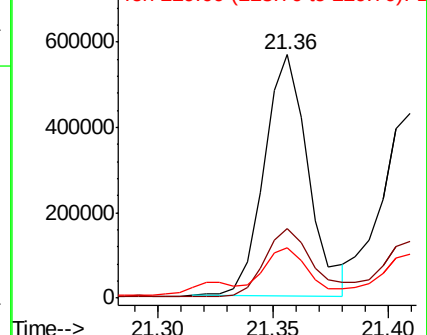
229 20.8 15.5 23.3

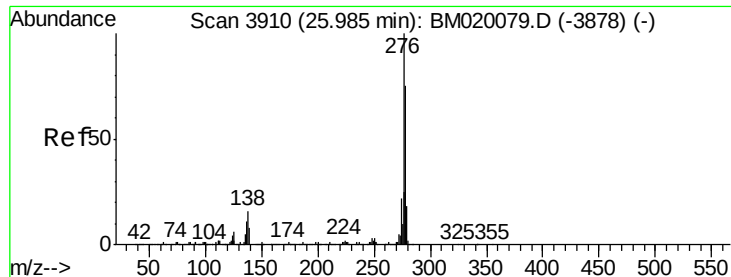


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 9.433 ng

RT: 26.00 min Scan# 3913

Delta R.T. 0.02 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

Instrument :

BNA_M

ClientSampleId :

SB-13-COMP

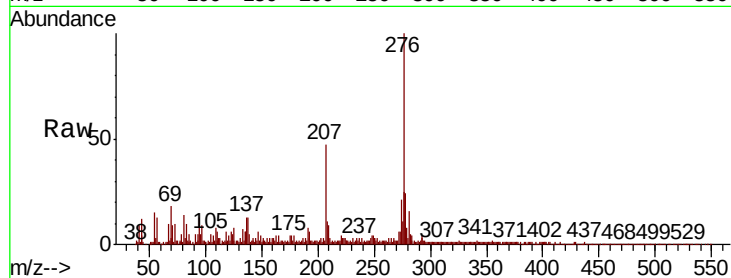
Tgt Ion:276 Resp: 565580

Ion Ratio Lower Upper

276 100

138 14.0 0.0 0.0#

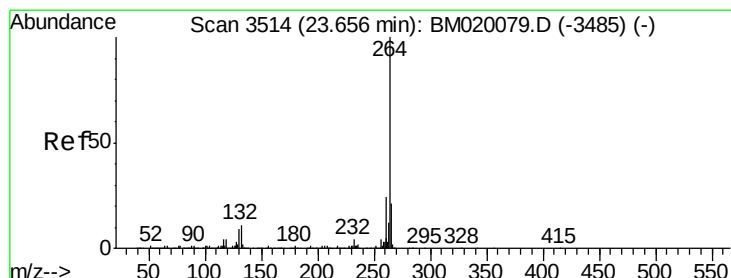
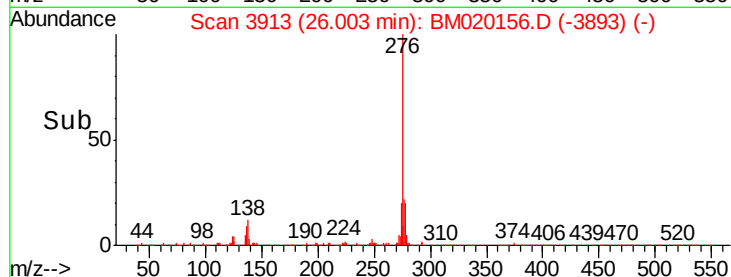
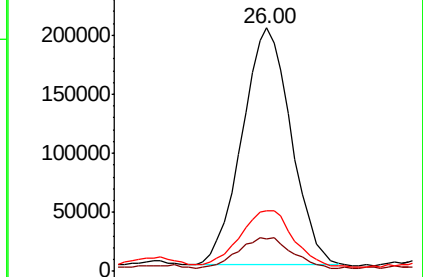
277 24.7 0.0 0.0#



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: BM020156.D

Acq: 07 May 2019 06:26

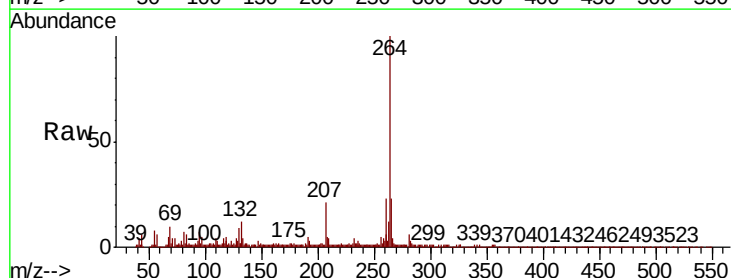
Tgt Ion:264 Resp: 862357

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

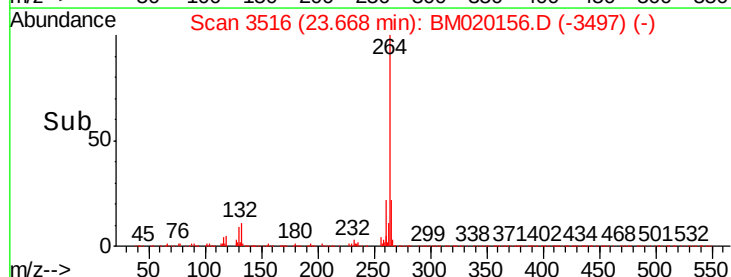
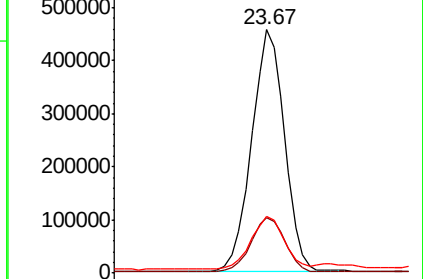
265 23.1 16.9 25.3

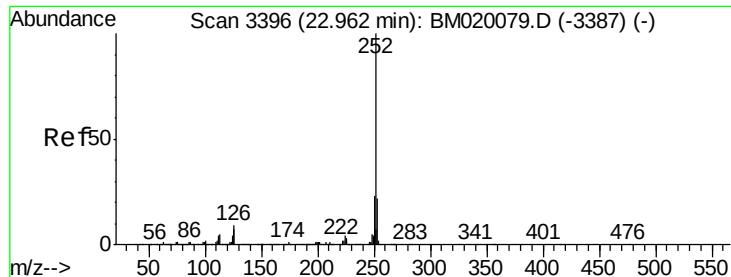


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 16.731 ng

RT: 22.97 min Scan# 3398

Delta R.T. 0.01 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

Instrument :

BNA_M

ClientSampleId :

SB-13-COMP

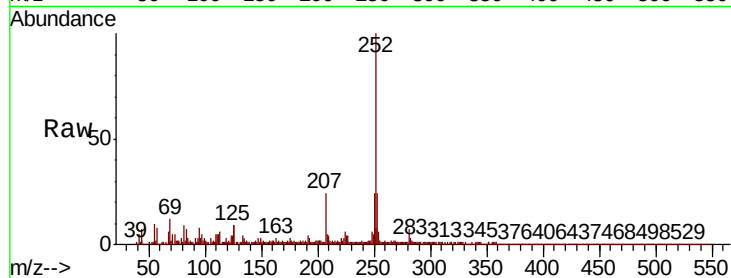
Tgt Ion:252 Resp: 952768

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

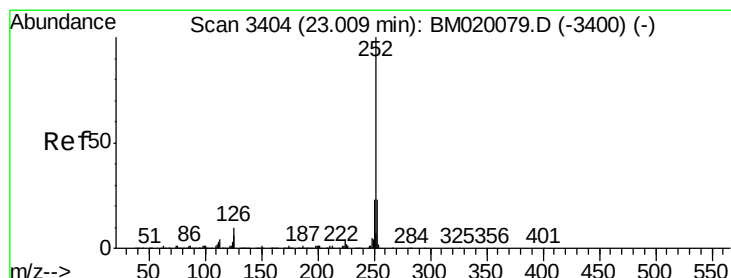
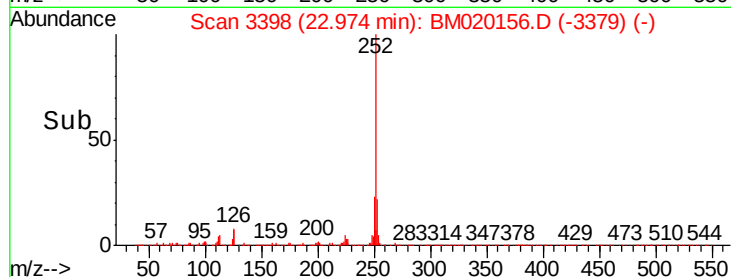
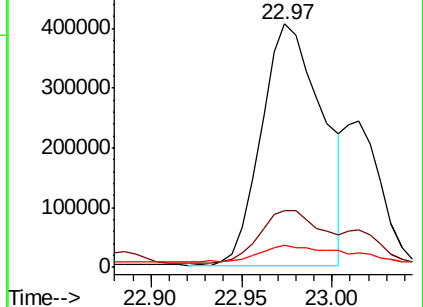
125 9.2 5.4 8.2#



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: 18.228 ng

RT: 22.97 min Scan# 3398

Delta R.T. -0.04 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

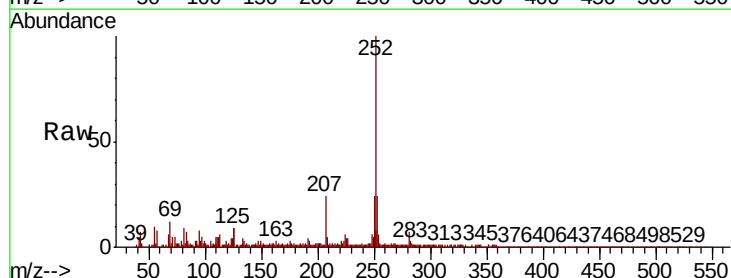
Tgt Ion:252 Resp: 946859

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

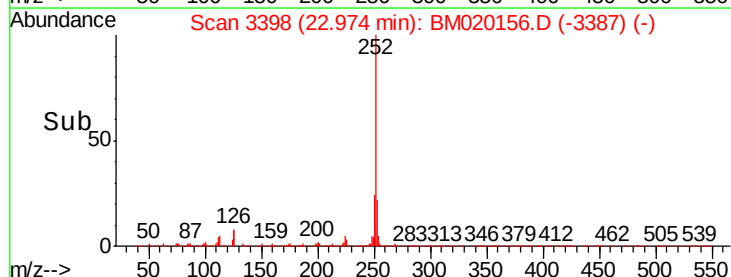
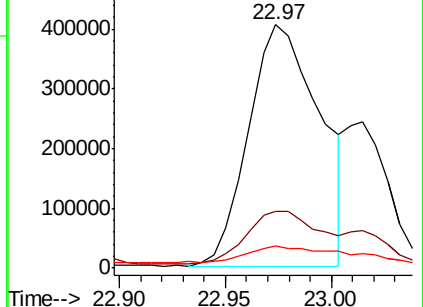
125 9.2 5.4 8.0#

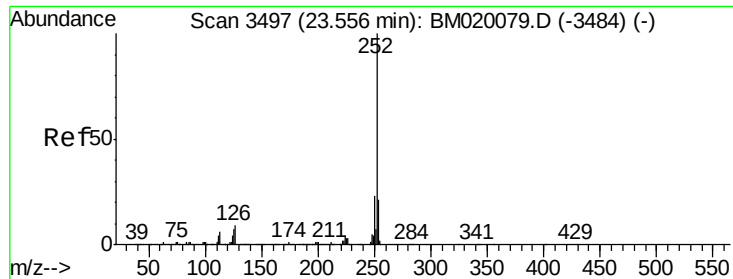


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 15.409 ng

RT: 23.57 min Scan# 3499

Delta R.T. 0.01 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

Instrument :

BNA_M

ClientSampleId :

SB-13-COMP

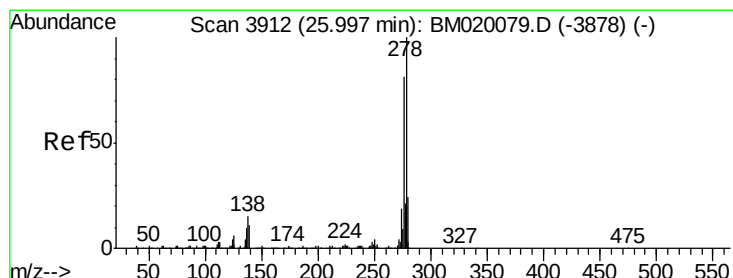
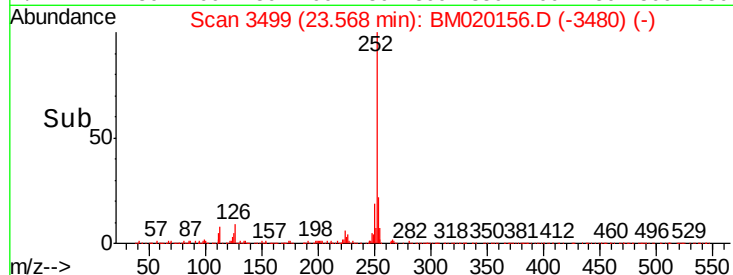
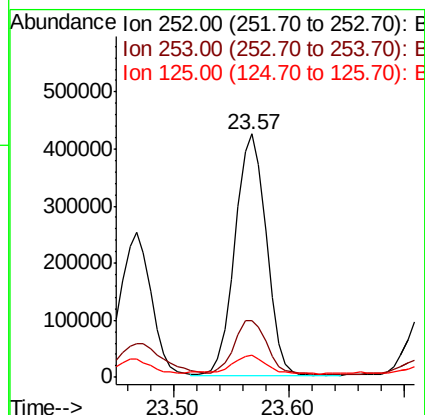
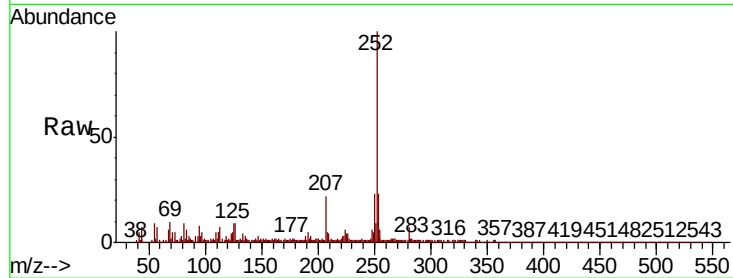
Tgt Ion:252 Resp: 797033

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

125 9.3 5.5 8.3#



#91

Dibenzo(a,h)anthracene

Concen: 2.838 ng

RT: 26.01 min Scan# 3914

Delta R.T. 0.01 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

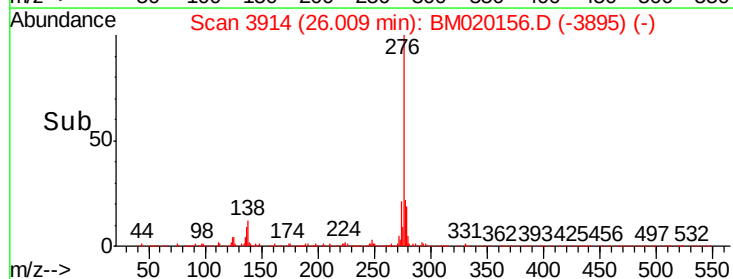
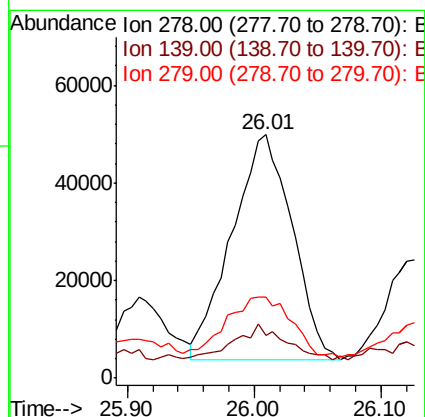
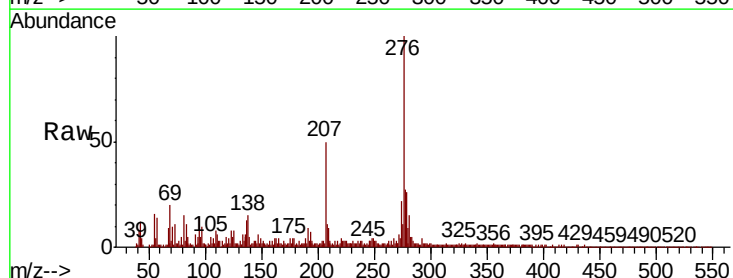
Tgt Ion:278 Resp: 152668

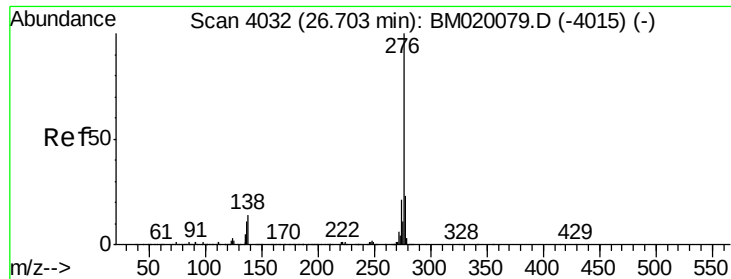
Ion Ratio Lower Upper

278 100

139 17.5 8.6 13.0#

279 33.4 18.8 28.2#





#92

Benzo(g,h,i)perylene

Concen: 10.043 ng

RT: 26.73 min Scan# 4036

Delta R.T. 0.02 min

Lab File: BM020156.D

Acq: 07 May 2019 06:26

Instrument :

BNA_M

ClientSampleId :

SB-13-COMP

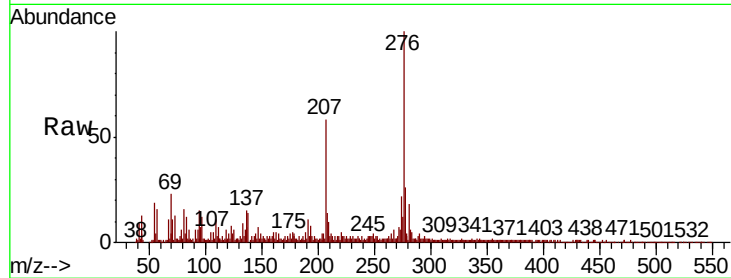
Tgt Ion: 276 Resp: 512898

Ion Ratio Lower Upper

276 100

277 25.8 18.4 27.6

138 14.3 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

