

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050619\
 Data File : BM020158.D
 Acq On : 07 May 2019 07:38
 Operator : JU/SJ
 Sample : K2672-10 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB-05-COMP

Quant Time: May 07 08:35:46 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

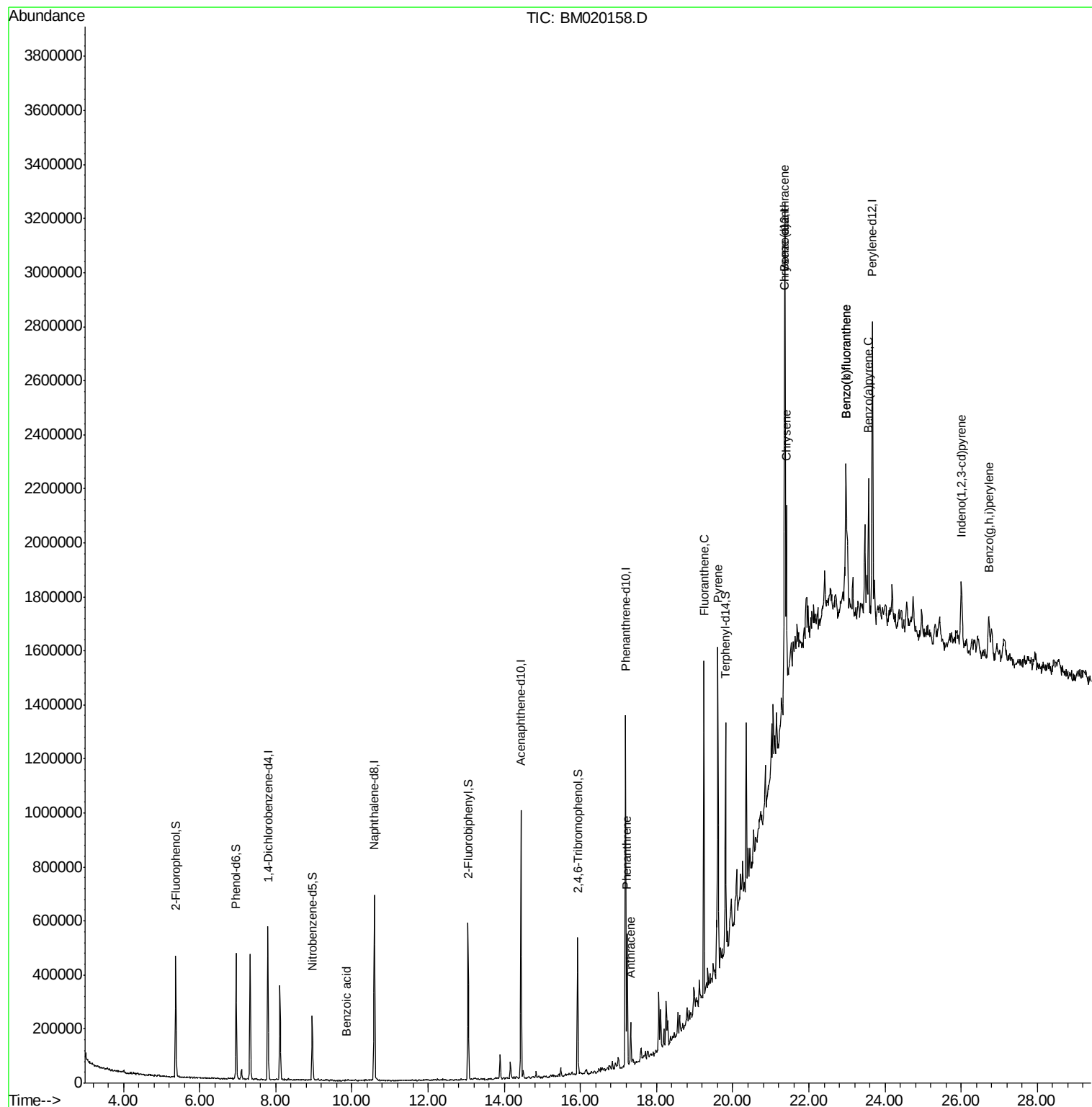
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	140000	20.00	ng	0.00
21) Naphthalene-d8	10.59	136	533102	20.00	ng	0.00
39) Acenaphthene-d10	14.44	164	305521	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	706195	20.00	ng	0.00
76) Chrysene-d12	21.37	240	687361	20.00	ng	0.00
87) Perylene-d12	23.67	264	814076	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	166811	19.48	ng	0.00
7) Phenol-d6	6.96	99	237586	20.31	ng	0.00
23) Nitrobenzene-d5	8.96	82	147173	10.90	ng	0.00
42) 2,4,6-Tribromophenol	15.93	330	87408	18.43	ng	0.00
45) 2-Fluorobiphenyl	13.05	172	274466	11.05	ng	0.00
79) Terphenyl-d14	19.81	244	383761	9.74	ng	0.00
Target Compounds						
32) Benzoic acid	9.86	122	108	6.629	ng	Qvalue # 53
71) Phenanthrene	17.23	178	283937	7.284	ng	99
72) Anthracene	17.32	178	96801	2.484	ng	99
75) Fluoranthene	19.24	202	711290	14.421	ng	99
78) Pyrene	19.61	202	719287	15.586	ng	99
81) Benzo(a)anthracene	21.36	228	421237	8.739	ng	95
83) Chrysene	21.41	228	365421	7.816	ng	96
86) Indeno(1,2,3-cd)pyrene	26.00	276	235713	4.239	ng	# 100
88) Benzo(b)fluoranthene	22.97	252	636989	11.849	ng	# 95
89) Benzo(k)fluoranthene	22.97	252	631607	12.880	ng	# 96
90) Benzo(a)pyrene	23.57	252	365991	7.495	ng	# 92
92) Benzo(g,h,i)perylene	26.73	276	233256	4.838	ng	# 91

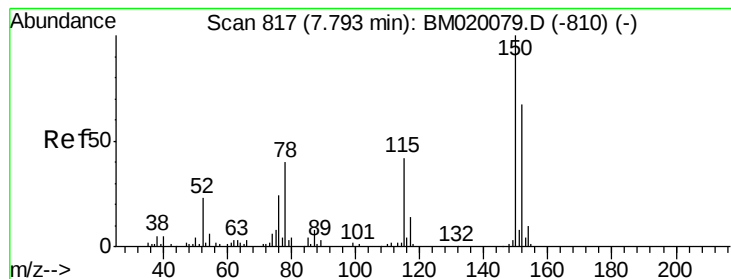
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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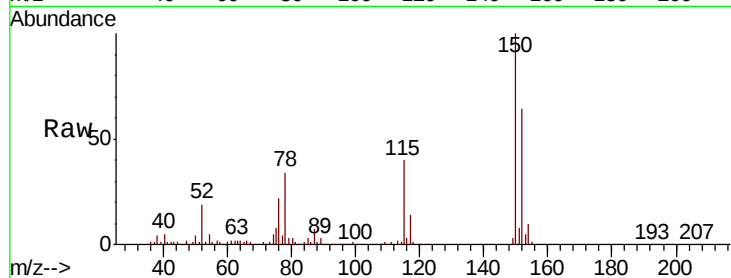


#1

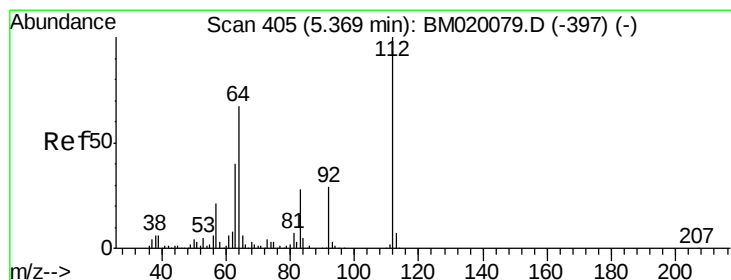
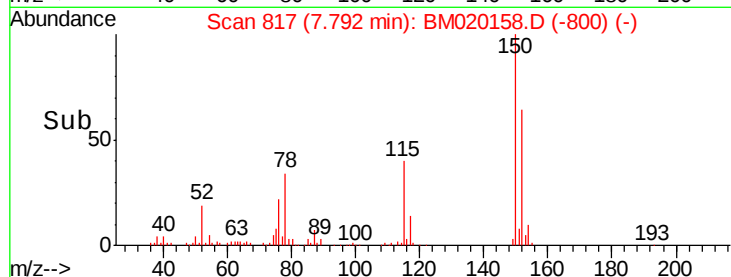
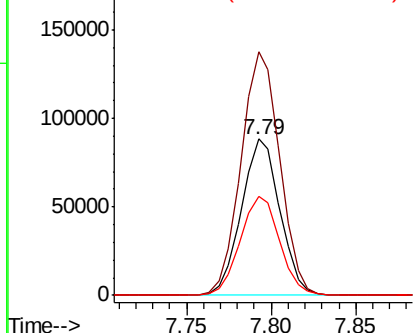
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 817
Delta R.T. -0.00 min
Lab File: BM020158.D
Acq: 07 May 2019 07:38

Instrument :
BNA_M
ClientSampleId :
SB-05-COMP

Tgt Ion:152 Resp: 140000
Ion Ratio Lower Upper
152 100
150 155.6 119.8 179.8
115 63.0 50.8 76.2



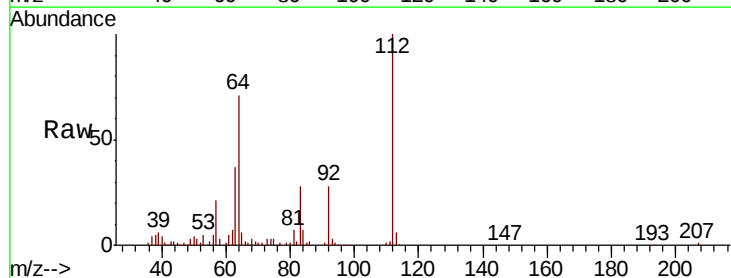
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



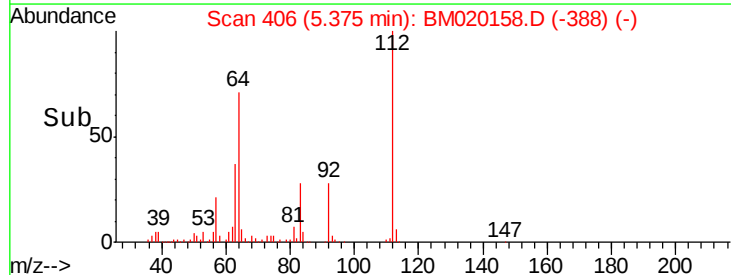
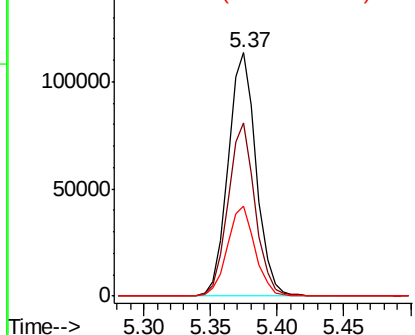
#5

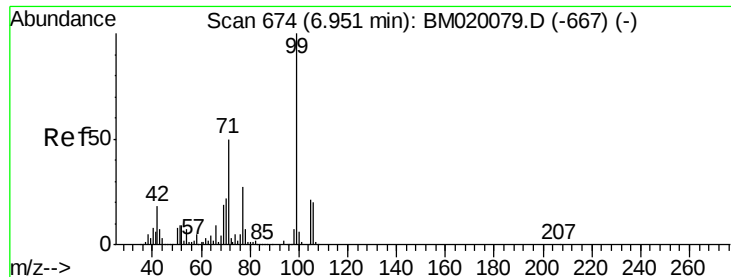
2-Fluorophenol
Concen: 19.476 ng
RT: 5.37 min Scan# 406
Delta R.T. 0.01 min
Lab File: BM020158.D
Acq: 07 May 2019 07:38

Tgt Ion:112 Resp: 166811
Ion Ratio Lower Upper
112 100
64 71.1 53.8 80.6
63 37.1 32.3 48.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 20.305 ng

RT: 6.96 min Scan# 675

Delta R.T. 0.01 min

Lab File: BM020158.D

Acq: 07 May 2019 07:38

Instrument :

BNA_M

ClientSampleId :

SB-05-COMP

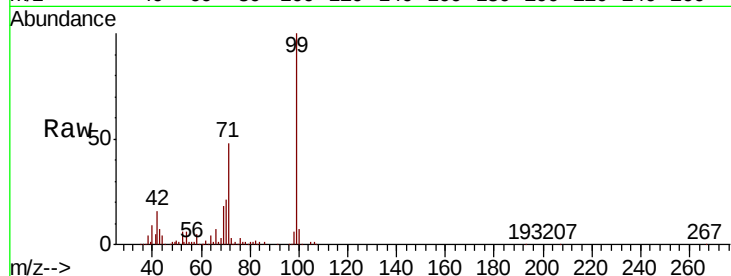
Tgt Ion: 99 Resp: 237586

Ion Ratio Lower Upper

99 100

42 16.0 14.2 21.2

71 48.2 40.3 60.5

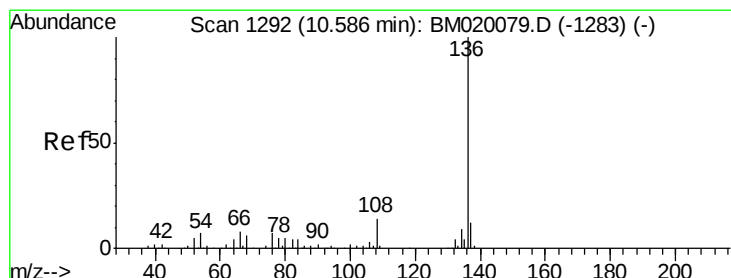
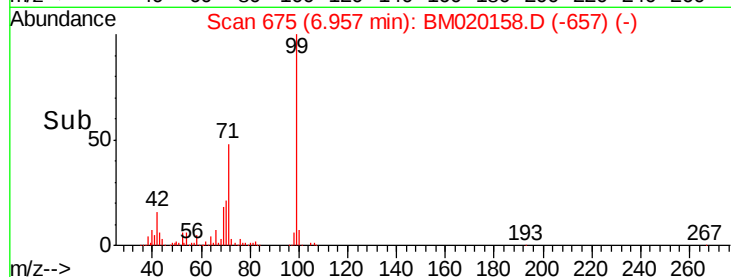
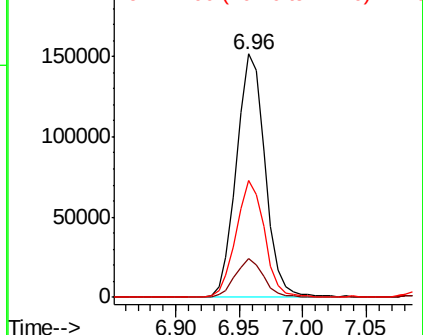


Abundance

Ion 99.00 (98.70 to 99.70): BM020158.D (-667) (-)

Ion 42.00 (41.70 to 42.70): BM020158.D (-667) (-)

Ion 71.00 (70.70 to 71.70): BM020158.D (-667) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.59 min Scan# 1292

Delta R.T. -0.00 min

Lab File: BM020158.D

Acq: 07 May 2019 07:38

Tgt Ion: 136 Resp: 533102

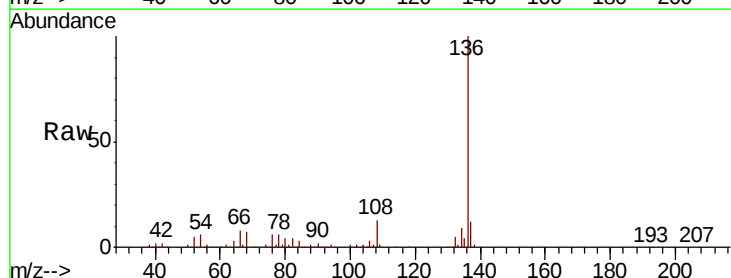
Ion Ratio Lower Upper

136 100

137 11.9 9.6 14.4

54 6.1 5.5 8.3

68 7.1 4.6 6.8#



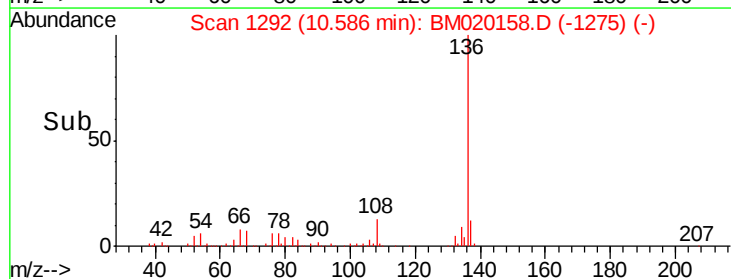
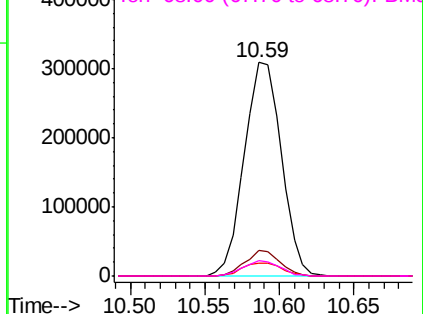
Abundance

Ion 136.00 (135.70 to 136.70): BM020158.D (-1275) (-)

Ion 137.00 (136.70 to 137.70): BM020158.D (-1275) (-)

Ion 54.00 (53.70 to 54.70): BM020158.D (-1275) (-)

Ion 68.00 (67.70 to 68.70): BM020158.D (-1275) (-)

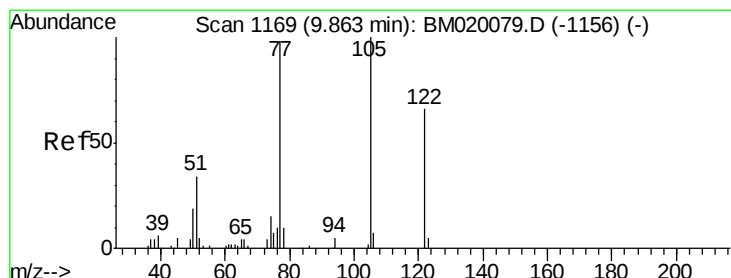
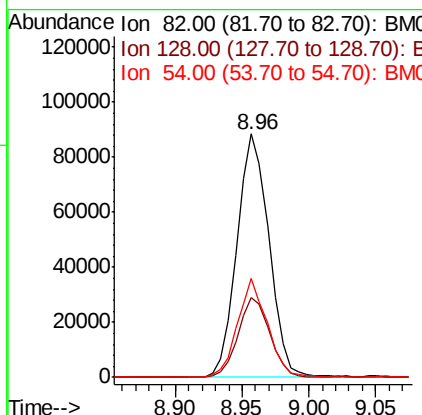
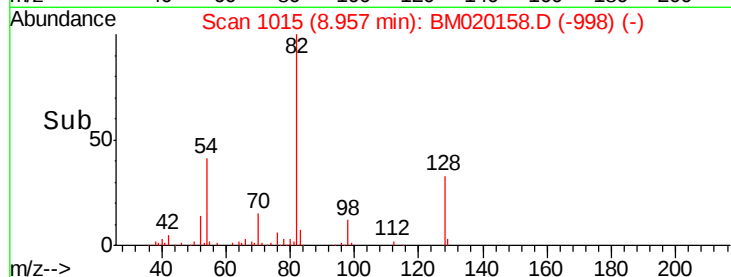
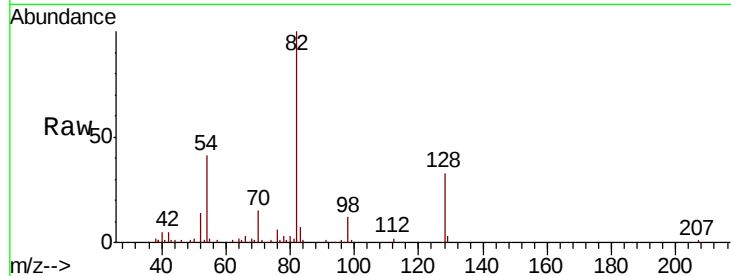




#23
Nitrobenzene-d5
Concen: 10.899 ng
RT: 8.96 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BM020158.D
Acq: 07 May 2019 07:38

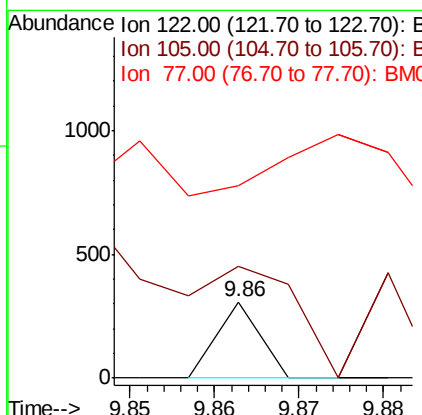
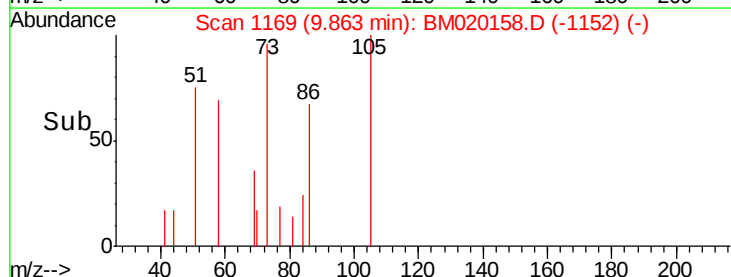
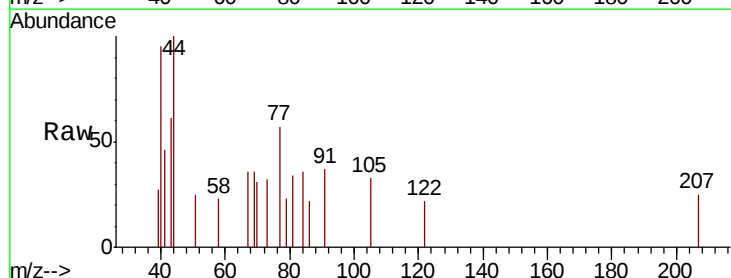
Instrument :
BNA_M
ClientSampleId :
SB-05-COMP

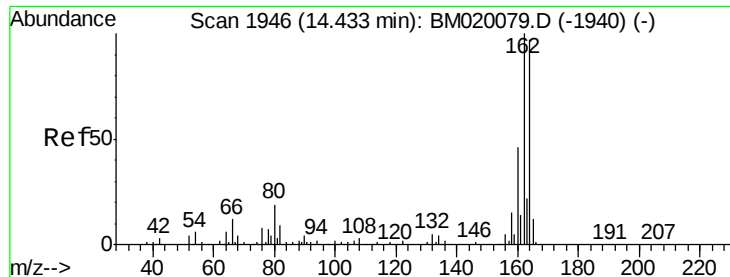
Tgt Ion: 82 Resp: 147173
Ion Ratio Lower Upper
82 100
128 32.8 25.2 37.8
54 40.6 31.9 47.9



#32
Benzoic acid
Concen: 6.629 ng
RT: 9.86 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BM020158.D
Acq: 07 May 2019 07:38

Tgt Ion: 122 Resp: 108
Ion Ratio Lower Upper
122 100
105 147.9 122.5 162.5
77 253.7 123.3 163.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.44 min Scan# 1947

Delta R.T. 0.01 min

Lab File: BM020158.D

Acq: 07 May 2019 07:38

Instrument :

BNA_M

ClientSampleId :

SB-05-COMP

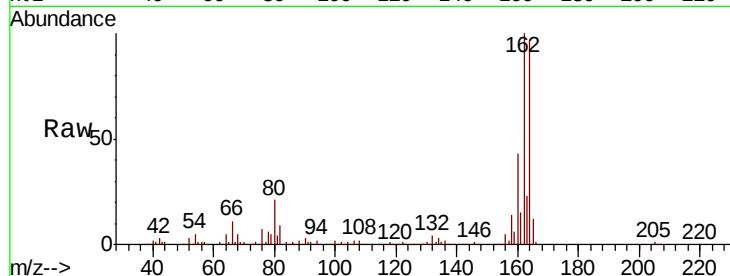
Tgt Ion:164 Resp: 305521

Ion Ratio Lower Upper

164 100

162 102.7 82.2 123.2

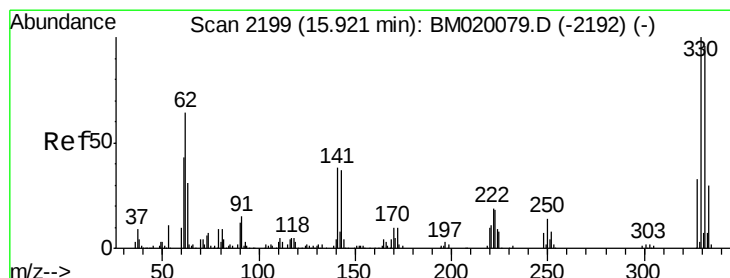
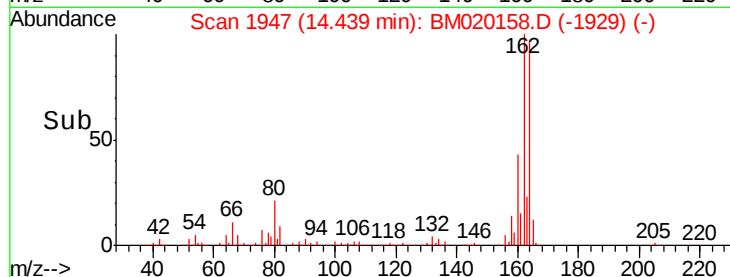
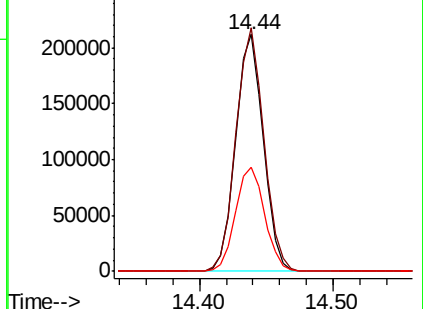
160 44.2 37.6 56.4



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: 18.432 ng

RT: 15.93 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BM020158.D

Acq: 07 May 2019 07:38

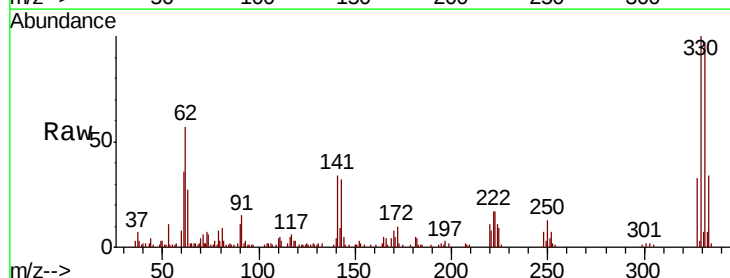
Tgt Ion:330 Resp: 87408

Ion Ratio Lower Upper

330 100

332 99.1 76.8 115.2

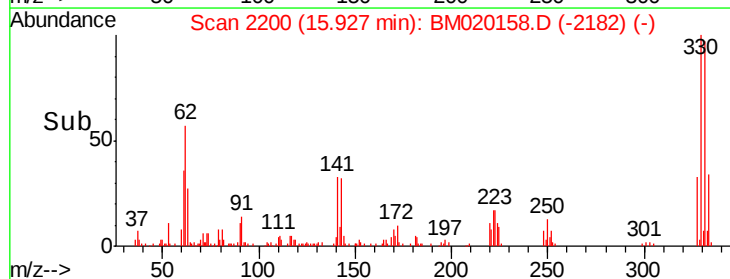
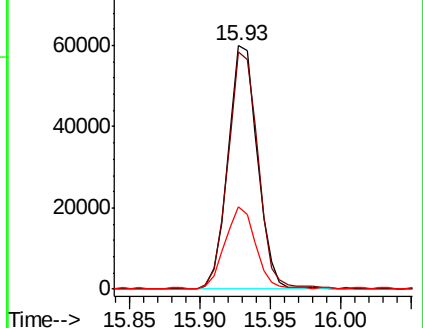
141 35.3 29.2 43.8

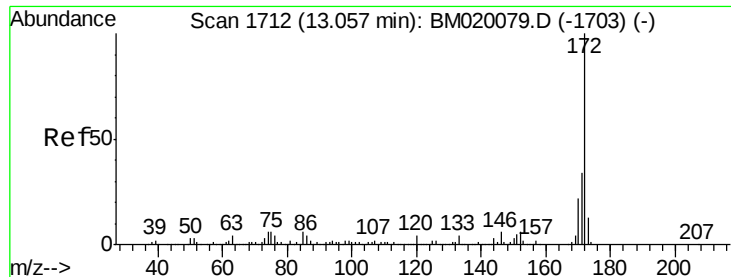


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

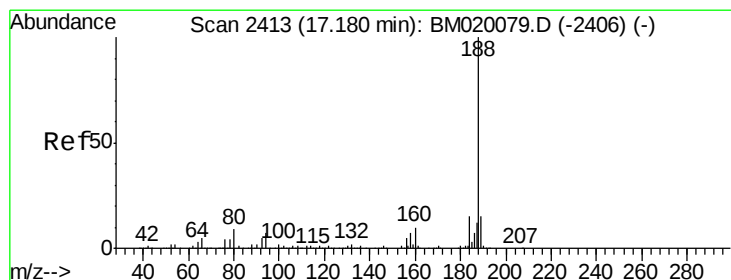
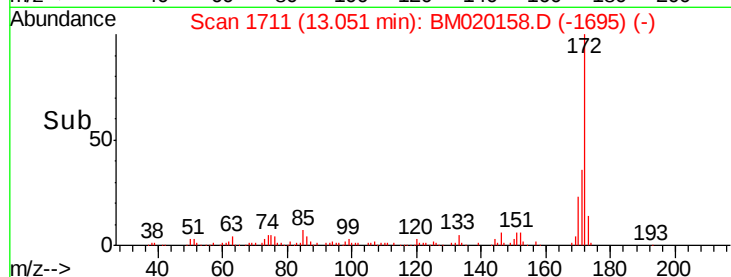
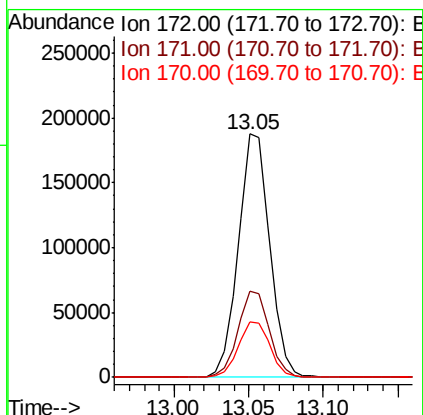
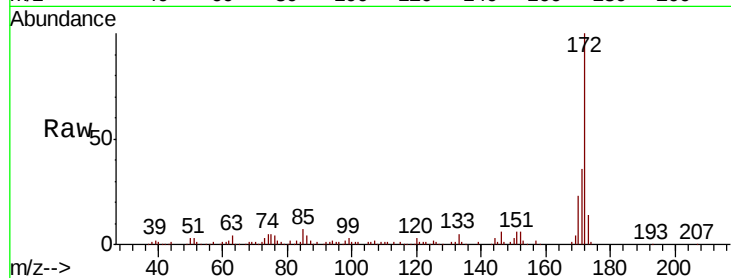




#45
 2-Fluorobiphenyl
 Concen: 11.053 ng
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BM020158.D
 Acq: 07 May 2019 07:38

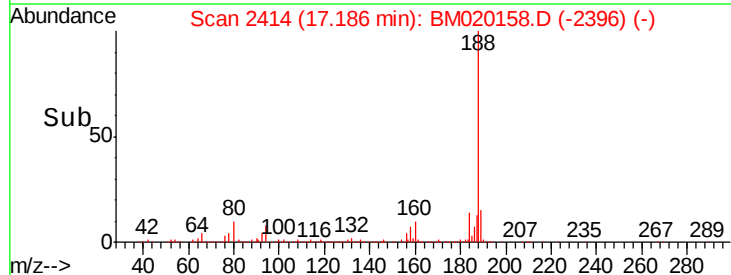
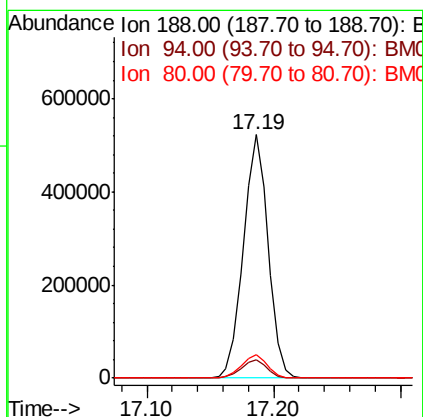
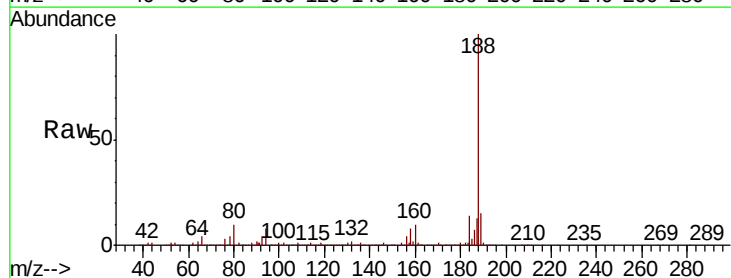
Instrument :
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 SB-05-COMP

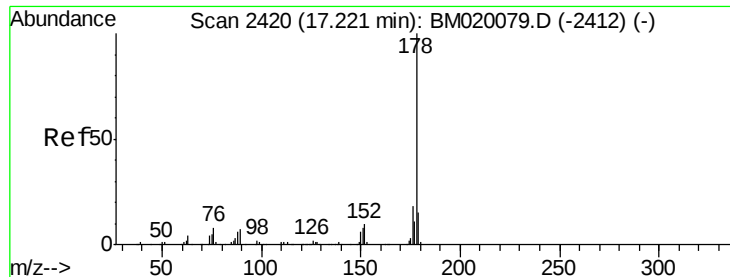
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.3	40.9
170	22.8	17.9	26.9



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.19 min Scan# 2414
 Delta R.T. 0.01 min
 Lab File: BM020158.D
 Acq: 07 May 2019 07:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	9.7	7.4	11.2

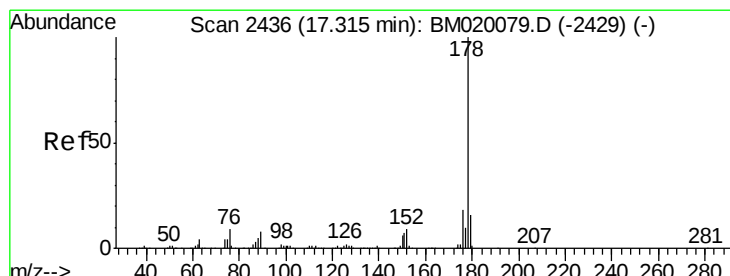
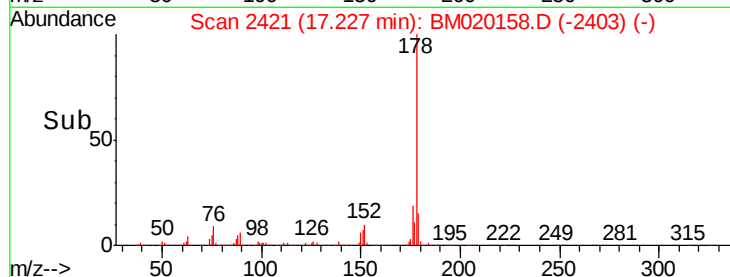
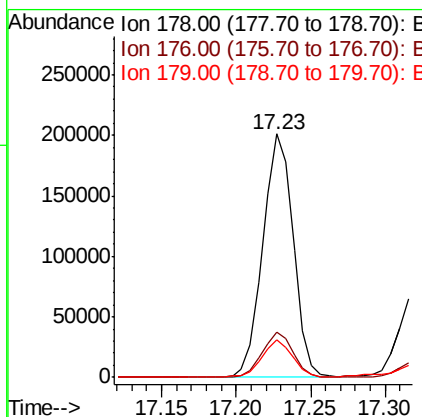
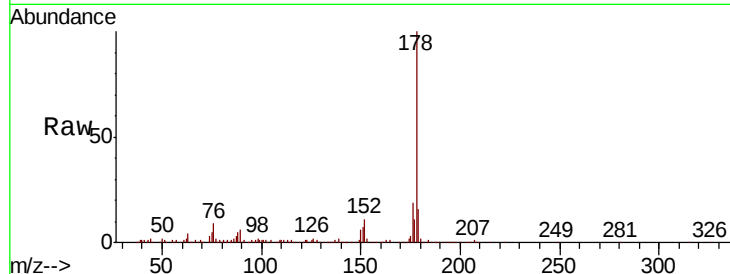




#71
Phenanthrene
Concen: 7.284 ng
RT: 17.23 min Scan# 2421
Delta R.T. 0.01 min
Lab File: BM020158.D
Acq: 07 May 2019 07:38

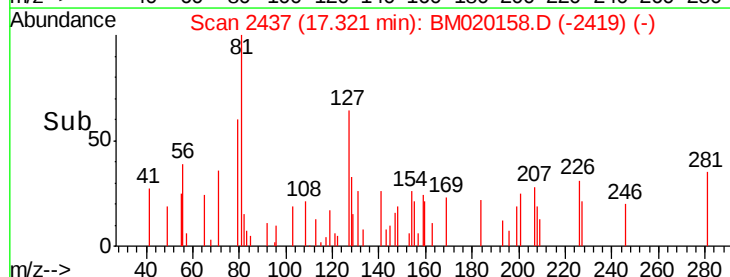
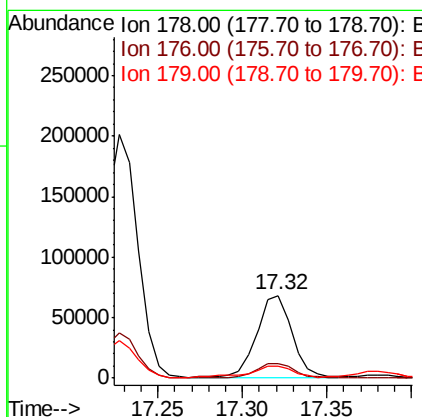
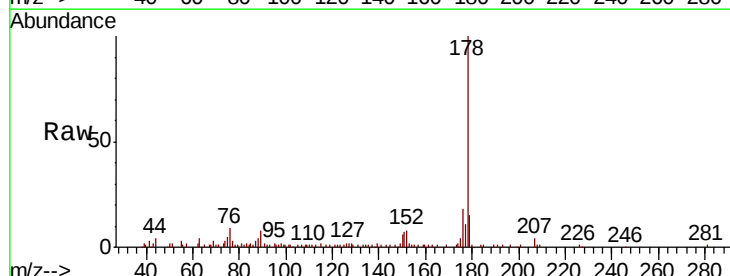
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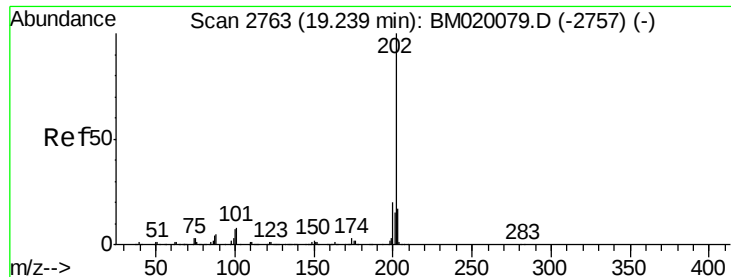
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	15.6	12.4	18.6



#72
Anthracene
Concen: 2.484 ng
RT: 17.32 min Scan# 2437
Delta R.T. 0.01 min
Lab File: BM020158.D
Acq: 07 May 2019 07:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	22.0
179	14.8	12.4	18.6





#75

Fluoranthene

Concen: 14.421 ng

RT: 19.24 min Scan# 2764

Delta R.T. 0.01 min

Lab File: BM020158.D

Acq: 07 May 2019 07:38

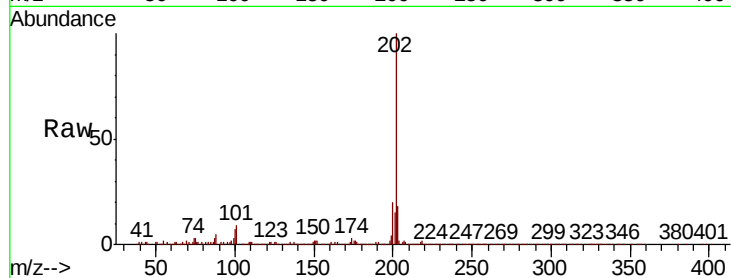
Instrument :

BNA_M

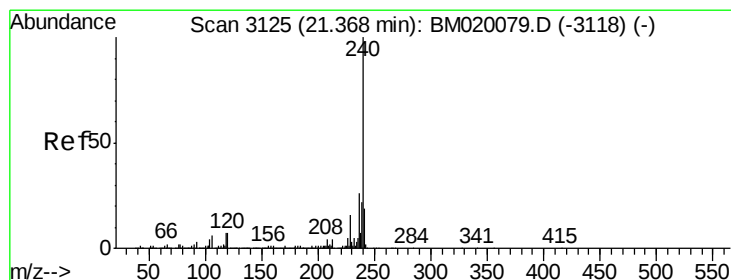
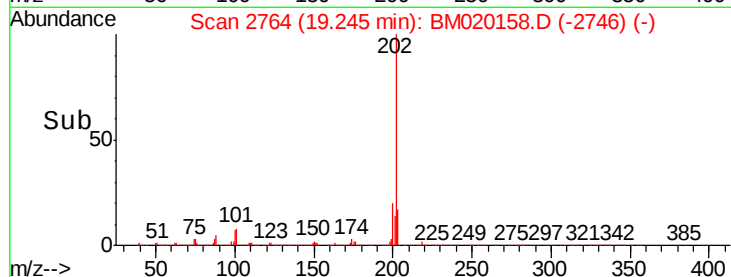
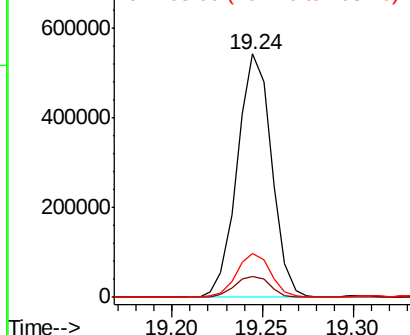
ClientSampleId :

SB-05-COMP

Tgt Ion:	202	Resp:	711290
Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	28.4
203	18.1	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

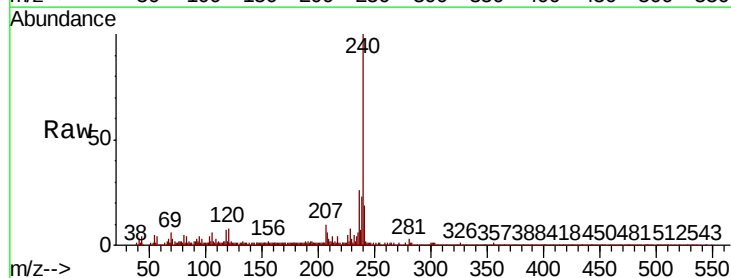
RT: 21.37 min Scan# 3126

Delta R.T. 0.01 min

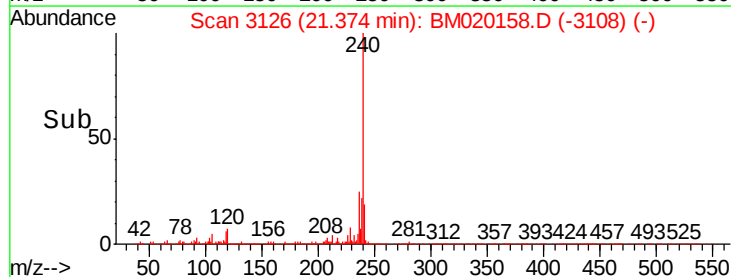
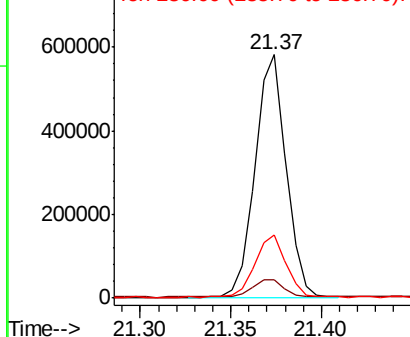
Lab File: BM020158.D

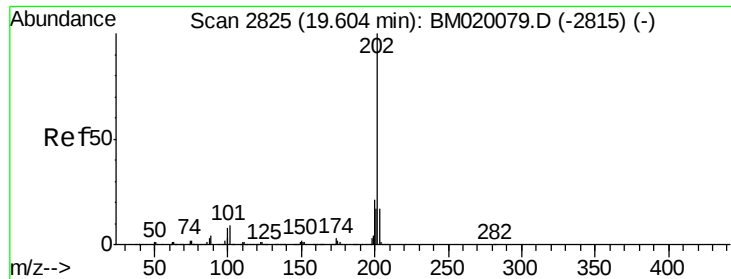
Acq: 07 May 2019 07:38

Tgt Ion:	240	Resp:	687361
Ion	Ratio	Lower	Upper
240	100		
120	7.6	5.6	8.4
236	25.8	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

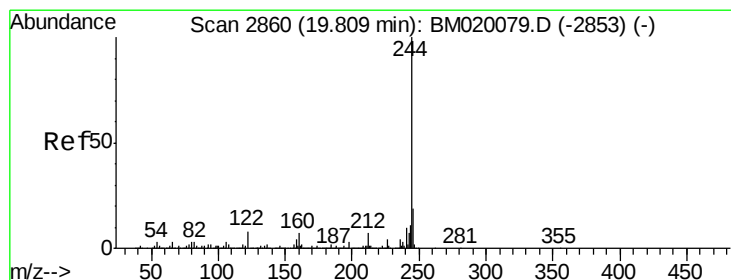
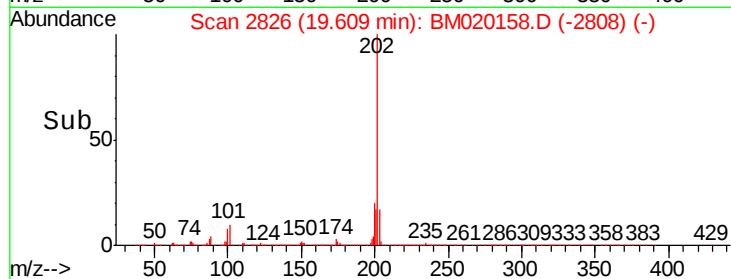
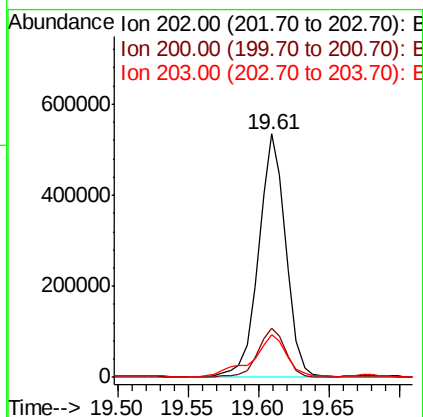
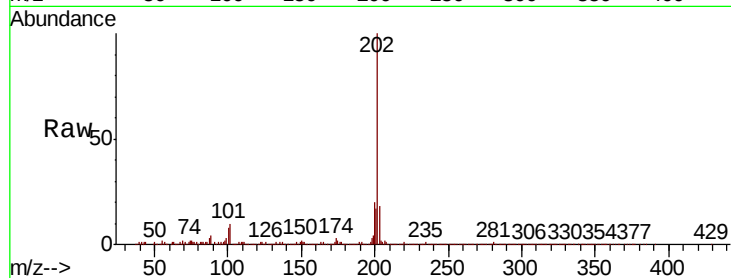




#78
 Pyrene
 Concen: 15.586 ng
 RT: 19.61 min Scan# 2826
 Delta R.T. 0.01 min
 Lab File: BM020158.D
 Acq: 07 May 2019 07:38

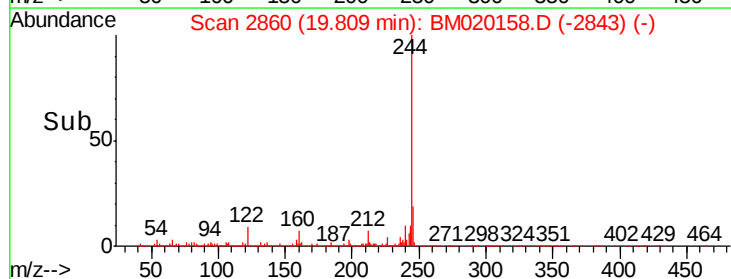
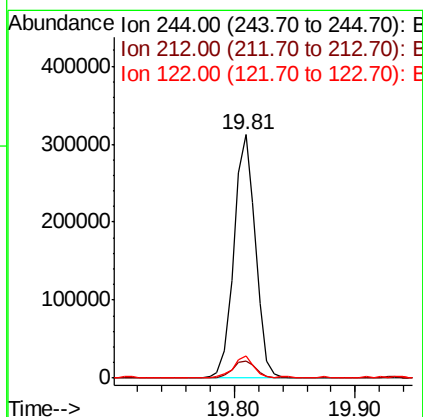
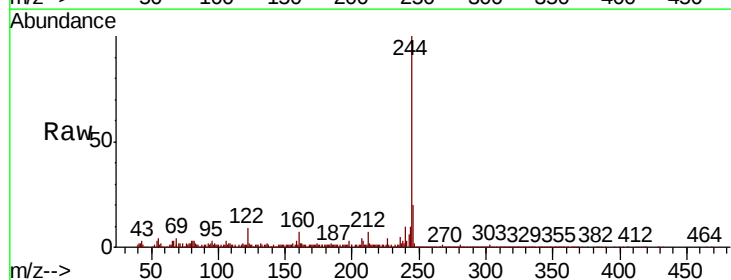
Instrument :
 BNA_M
 ClientSampleId :
 SB-05-COMP

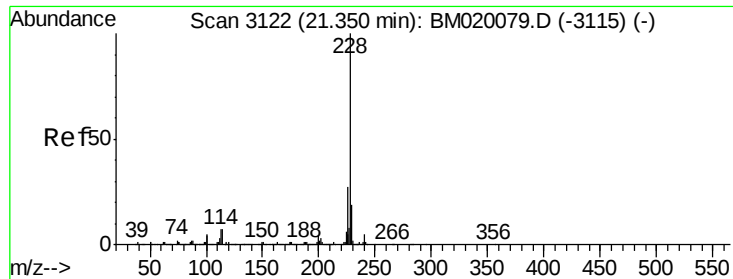
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.5	24.7
203	17.5	13.9	20.9



#79
 Terphenyl-d14
 Concen: 9.738 ng
 RT: 19.81 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: BM020158.D
 Acq: 07 May 2019 07:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	9.0	6.2	9.2

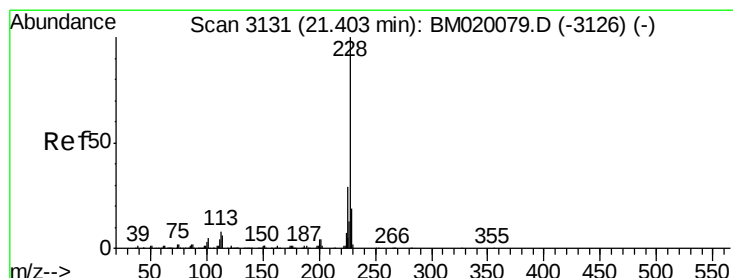
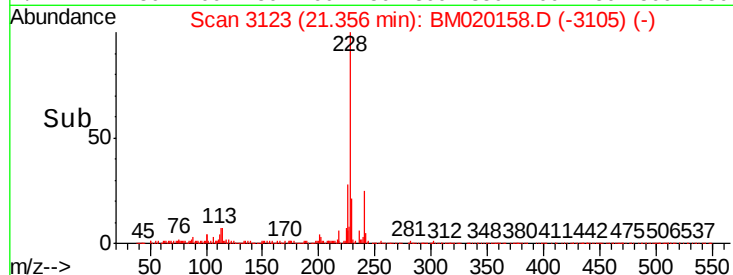
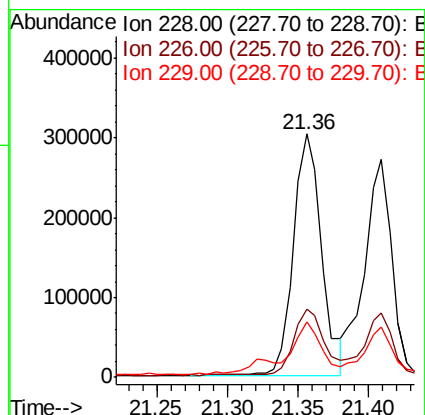
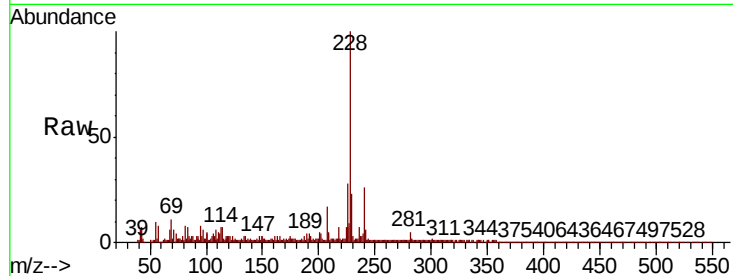




#81
Benzo(a)anthracene
Concen: 8.739 ng
RT: 21.36 min Scan# 3123
Delta R.T. 0.01 min
Lab File: BM020158.D
Acq: 07 May 2019 07:38

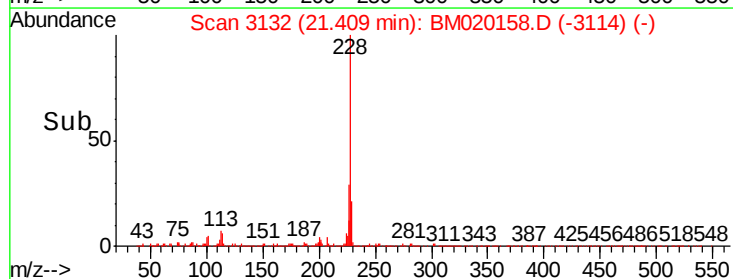
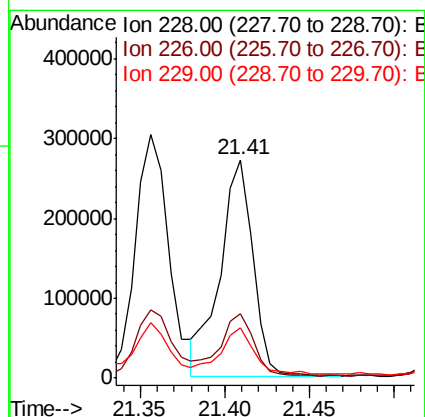
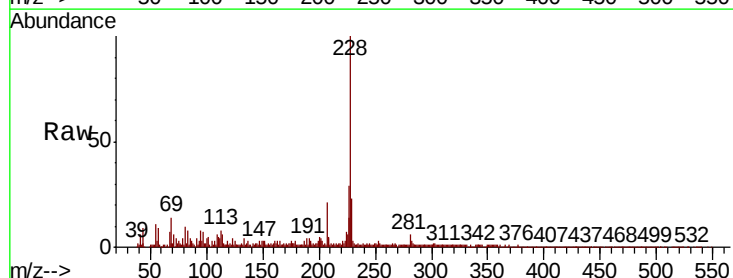
Instrument :
BNA_M
ClientSampleId :
SB-05-COMP

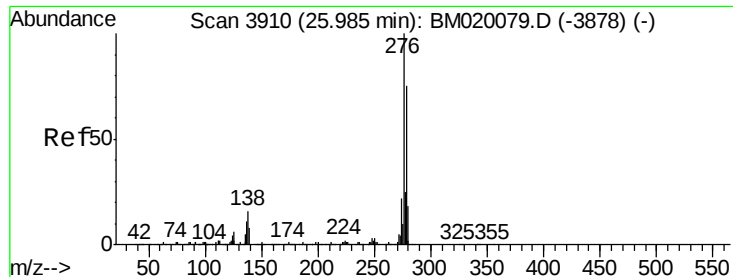
Tgt Ion:228 Resp: 421237
Ion Ratio Lower Upper
228 100
226 28.3 21.3 31.9
229 22.7 15.5 23.3



#83
Chrysene
Concen: 7.816 ng
RT: 21.41 min Scan# 3132
Delta R.T. 0.01 min
Lab File: BM020158.D
Acq: 07 May 2019 07:38

Tgt Ion:228 Resp: 365421
Ion Ratio Lower Upper
228 100
226 29.3 23.0 34.6
229 23.1 15.5 23.3





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.239 ng

RT: 26.00 min Scan# 3913

Delta R.T. 0.02 min

Lab File: BM020158.D

Acq: 07 May 2019 07:38

Instrument :

BNA_M

ClientSampleId :

SB-05-COMP

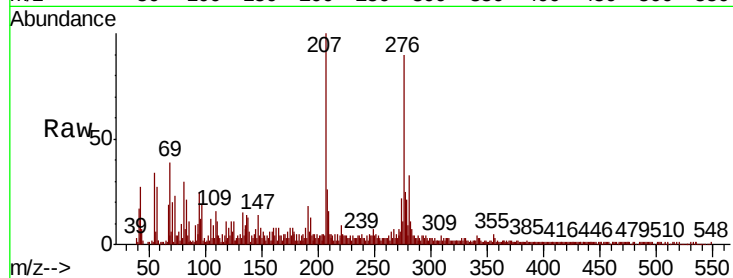
Tgt Ion:276 Resp: 235713

Ion Ratio Lower Upper

276 100

138 14.6 0.0 0.0#

277 25.0 0.0 0.0#

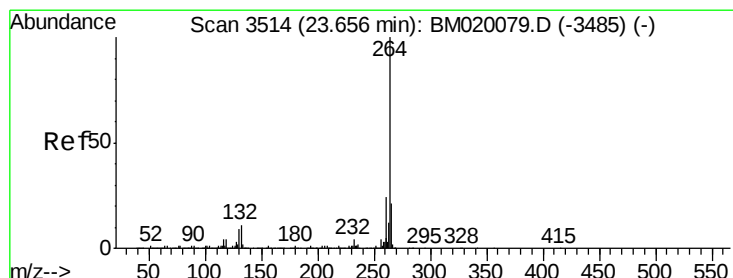
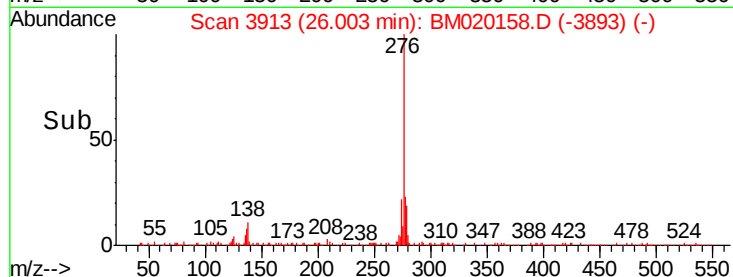
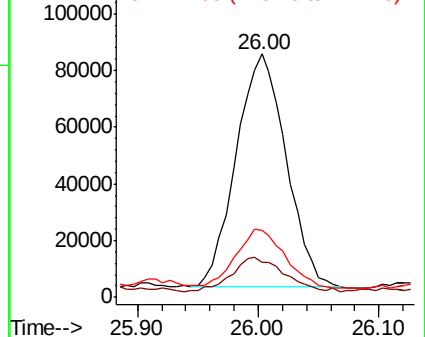


Abundance

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: BM020158.D

Acq: 07 May 2019 07:38

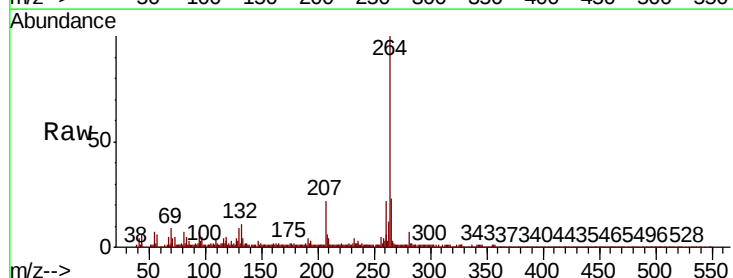
Tgt Ion:264 Resp: 814076

Ion Ratio Lower Upper

264 100

260 22.3 19.2 28.8

265 22.8 16.9 25.3

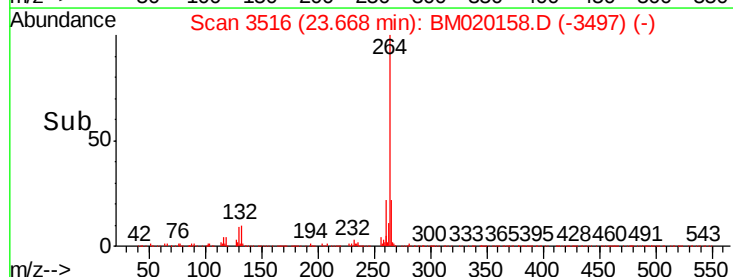
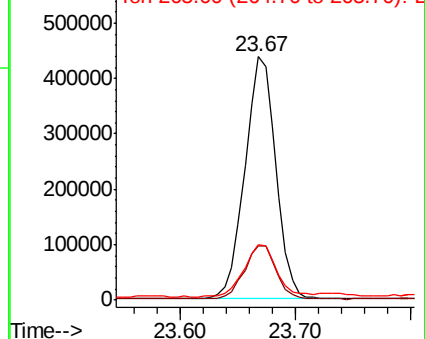


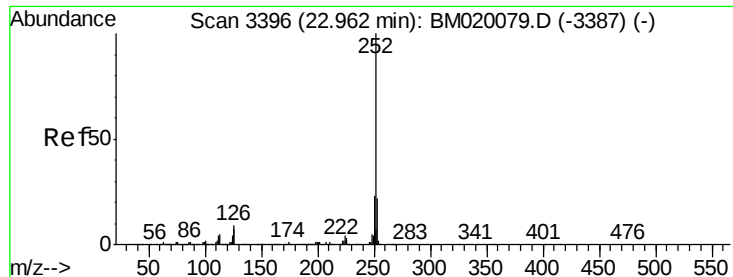
Abundance

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

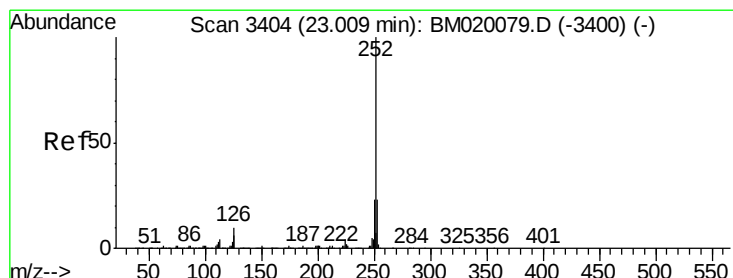
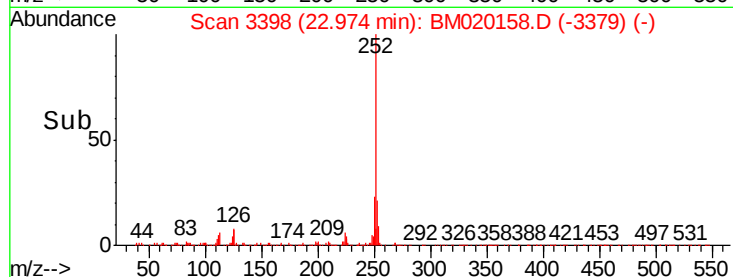
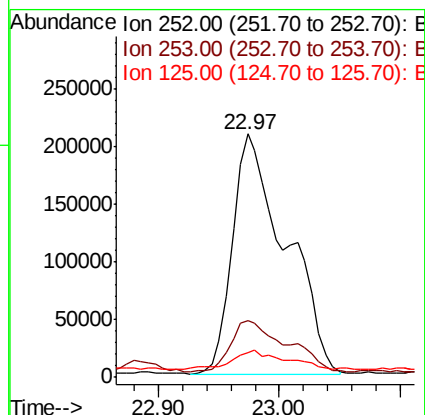
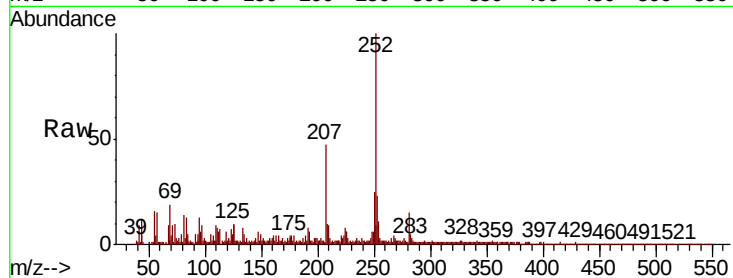




#88
Benzo(b)fluoranthene
Concen: 11.849 ng
RT: 22.97 min Scan# 3398
Delta R.T. 0.01 min
Lab File: BM020158.D
Acq: 07 May 2019 07:38

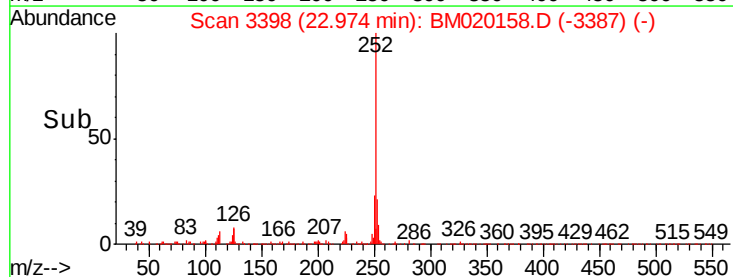
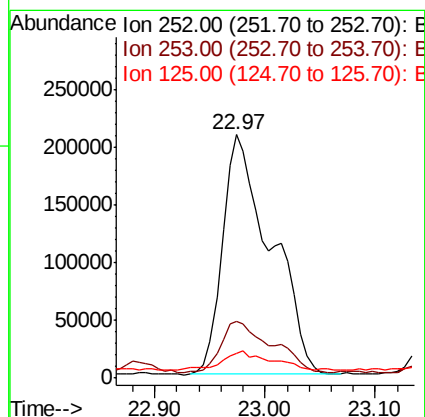
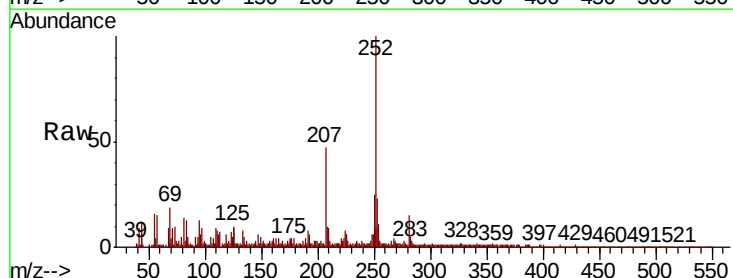
Instrument :
BNA_M
ClientSampleId :
SB-05-COMP

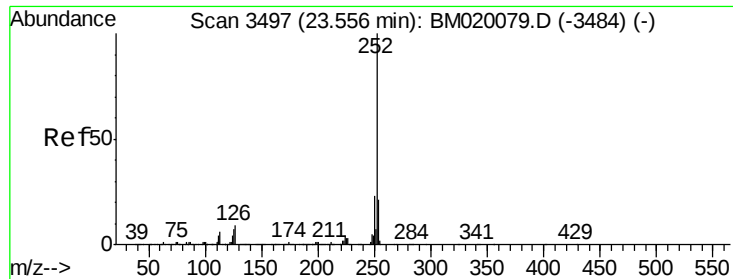
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	10.2	5.4	8.2#



#89
Benzo(k)fluoranthene
Concen: 12.880 ng
RT: 22.97 min Scan# 3398
Delta R.T. -0.04 min
Lab File: BM020158.D
Acq: 07 May 2019 07:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	10.2	5.4	8.0#





#90

Benzo(a)pyrene

Concen: 7.495 ng

RT: 23.57 min Scan# 3499

Delta R.T. 0.01 min

Lab File: BM020158.D

Acq: 07 May 2019 07:38

Instrument :

BNA_M

ClientSampleId :

SB-05-COMP

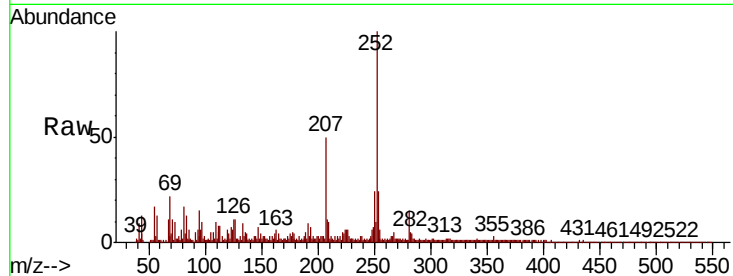
Tgt Ion:252 Resp: 365991

Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.6

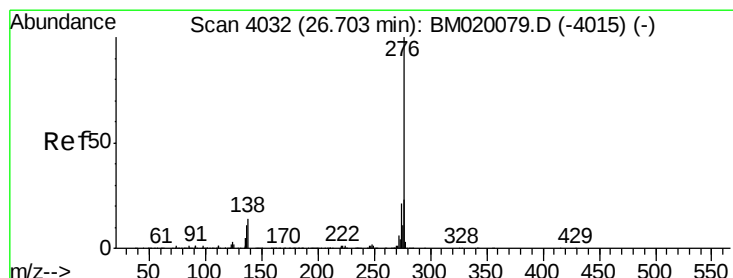
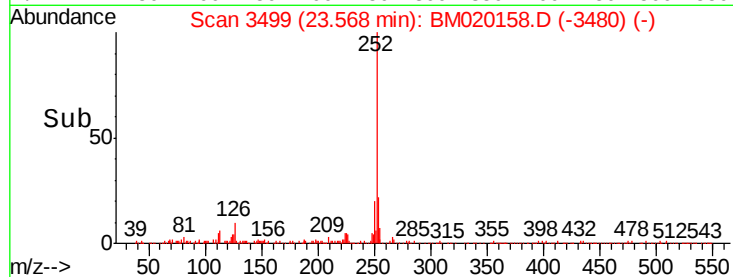
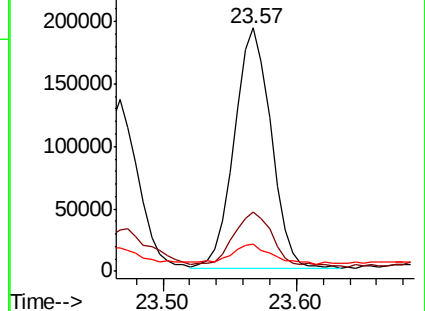
125 11.1 5.5 8.3#



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: 4.838 ng

RT: 26.73 min Scan# 4036

Delta R.T. 0.02 min

Lab File: BM020158.D

Acq: 07 May 2019 07:38

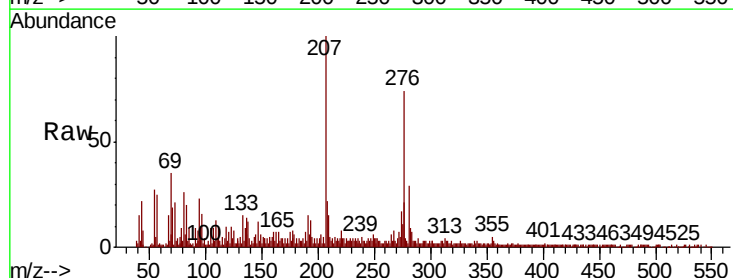
Tgt Ion:276 Resp: 233256

Ion Ratio Lower Upper

276 100

277 28.3 18.4 27.6#

138 15.8 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

