

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022420\
 Data File : BM025031.D
 Acq On : 24 Feb 2020 20:47
 Operator : CG/JU
 Sample : SST00.880
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 25 00:51:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM022420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 25 00:46:28 2020
 Response via : Initial Calibration

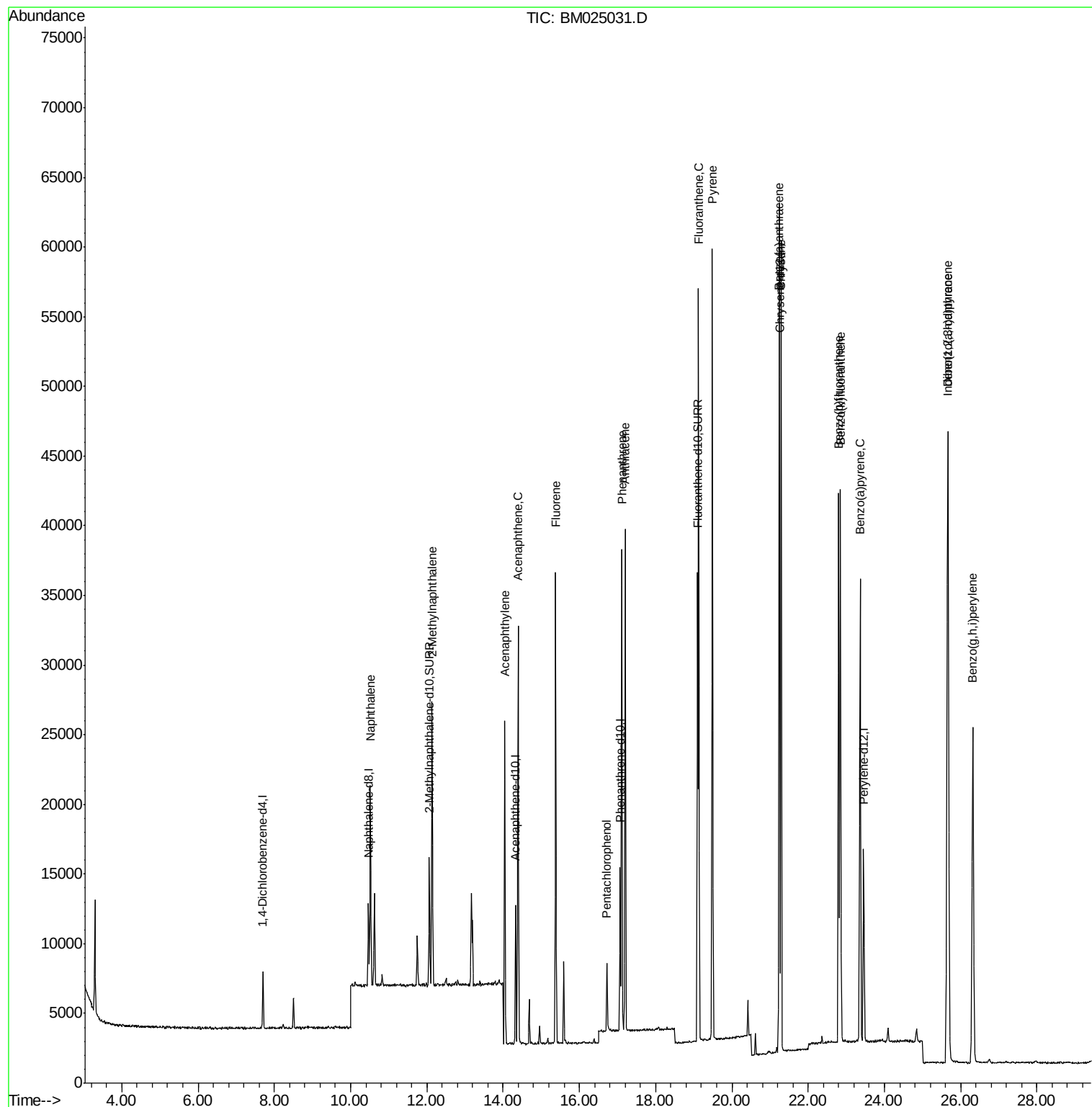
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	1992	0.40	ng/ul	0.00
2) Naphthalene-d8	10.47	136	8068	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.33	164	5604	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.07	188	13837	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	15195	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	16433	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.07	152	11756	0.89	ng/ul	0.00
14) Fluoranthene-d10	19.10	212	37091	0.98	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.52	128	18953	0.824	ng/ul#	89
5) 2-Methylnaphthalene	12.14	142	13977	0.887	ng/ul	99
7) Acenaphthylene	14.05	152	24760	0.954	ng/ul	95
8) Acenaphthene	14.39	153	16668	0.768	ng/ul	98
9) Fluorene	15.38	166	20882	0.839	ng/ul	98
11) Pentachlorophenol	16.72	266	3324	1.184	ng/ul	97
12) Phenanthrene	17.11	178	35531	0.806	ng/ul	97
13) Anthracene	17.20	178	36325	0.960	ng/ul	97
15) Fluoranthene	19.13	202	47633	1.001	ng/ul	98
17) Pyrene	19.49	202	48137	0.699	ng/ul	97
18) Benzo(a)anthracene	21.24	228	48630	0.836	ng/ul	98
19) Chrysene	21.29	228	47940	0.784	ng/ul	99
21) Benzo(b)fluoranthene	22.80	252	49464	0.693	ng/ul	93
22) Benzo(k)fluoranthene	22.84	252	49777	0.683	ng/ul#	95
23) Benzo(a)pyrene	23.36	252	45821	0.733	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.65	276	57764	0.758	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.67	278	48207	0.783	ng/ul	95
26) Benzo(g,h,i)perylene	26.32	276	48436	0.798	ng/ul#	94

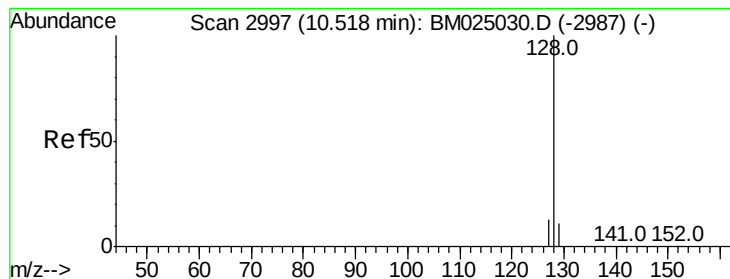
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.824 ng/ul

RT: 10.52 min Scan# 2997

Delta R.T. 0.00 min

Lab File: BM025031.D

Acq: 24 Feb 2020 20:47

Instrument :

BNA_M

ClientSampleId :

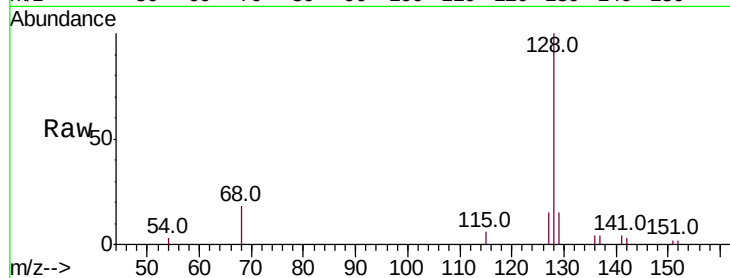
Tot Ion:128 Resp: 18953

Ion Ratio Lower Upper

128 100

129 15.2 17.0 25.6#

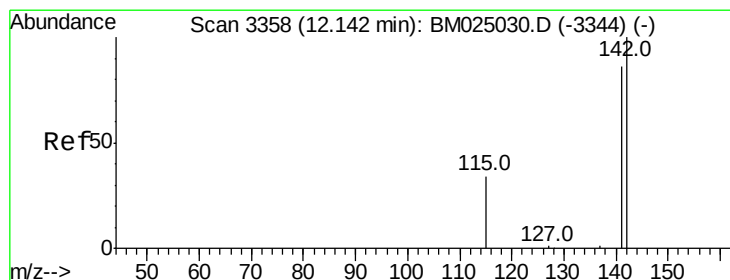
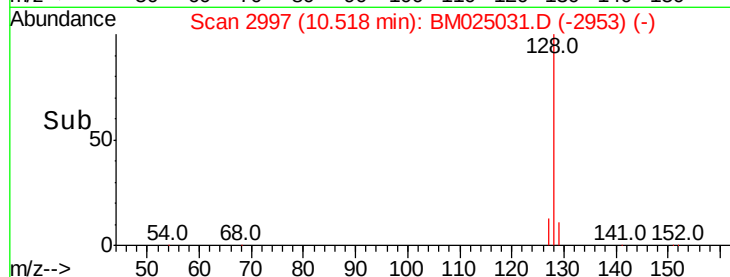
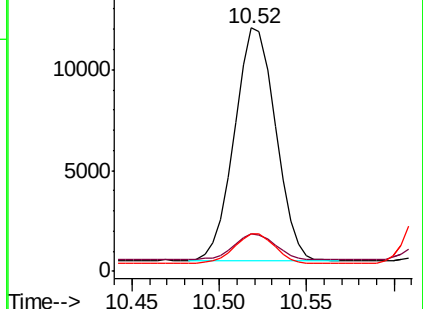
127 15.5 15.7 23.5#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.887 ng/ul

RT: 12.14 min Scan# 3357

Delta R.T. -0.00 min

Lab File: BM025031.D

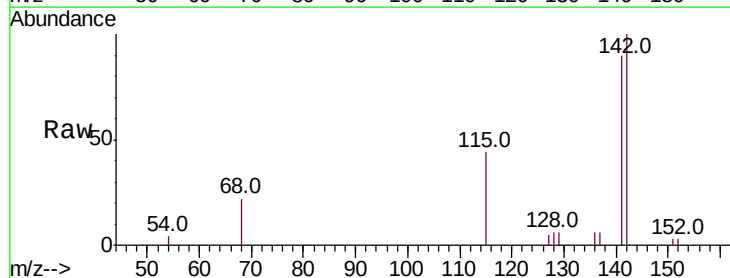
Acq: 24 Feb 2020 20:47

Tgt Ion:142 Resp: 13977

Ion Ratio Lower Upper

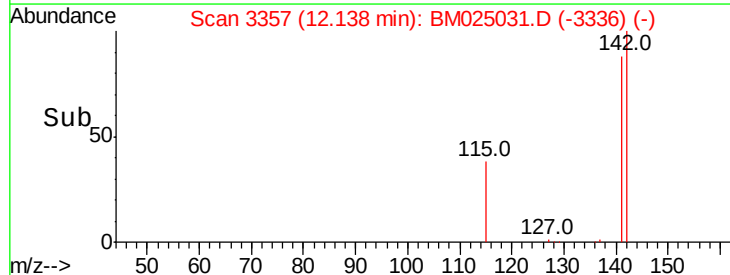
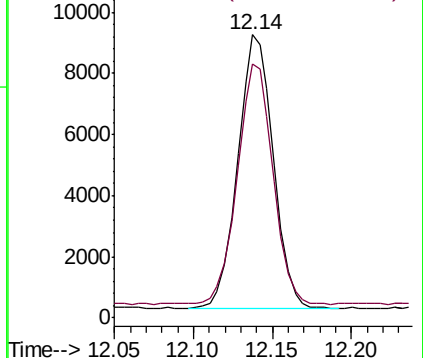
142 100

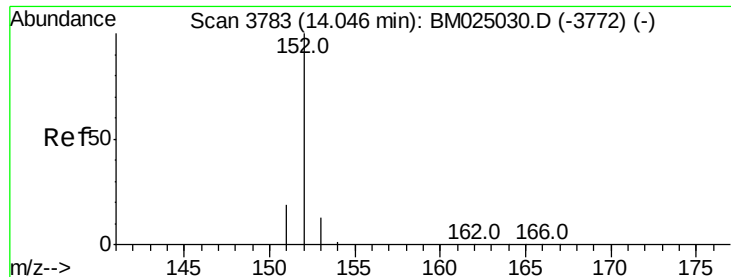
141 88.4 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.954 ng/ul

RT: 14.05 min Scan# 3783

Delta R.T. 0.00 min

Lab File: BM025031.D

Acq: 24 Feb 2020 20:47

Instrument :

BNA_M

ClientSampleId :

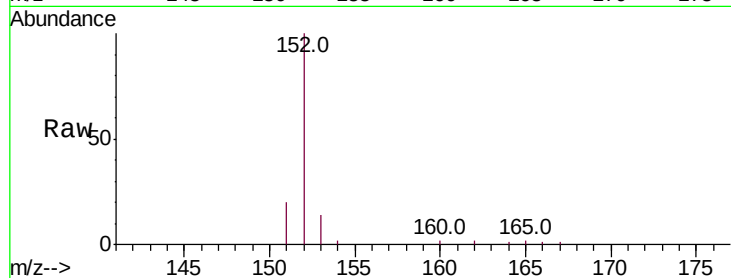
Tot Ion:152 Resp: 24760

Ion Ratio Lower Upper

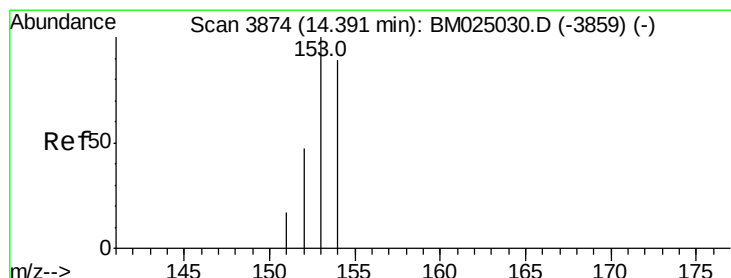
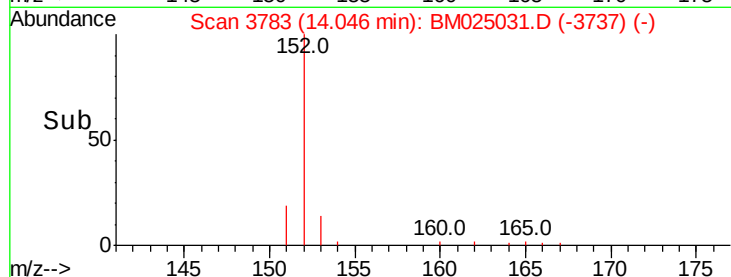
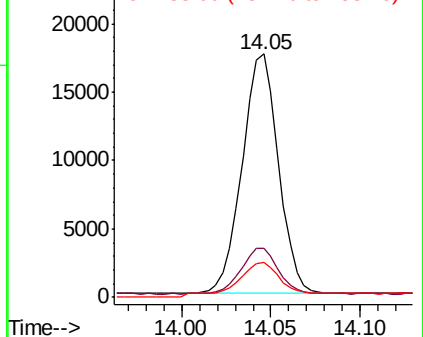
152 100

151 19.9 17.8 26.8

153 14.2 13.3 19.9



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.768 ng/ul

RT: 14.39 min Scan# 3874

Delta R.T. 0.00 min

Lab File: BM025031.D

Acq: 24 Feb 2020 20:47

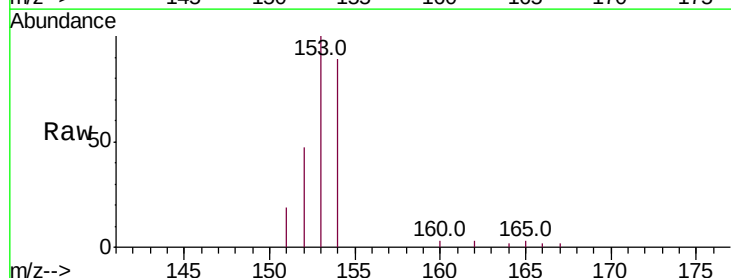
Tgt Ion:153 Resp: 16668

Ion Ratio Lower Upper

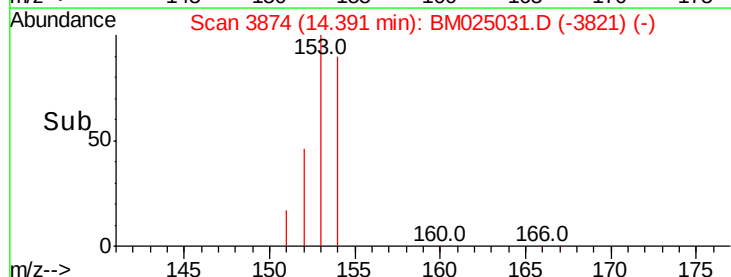
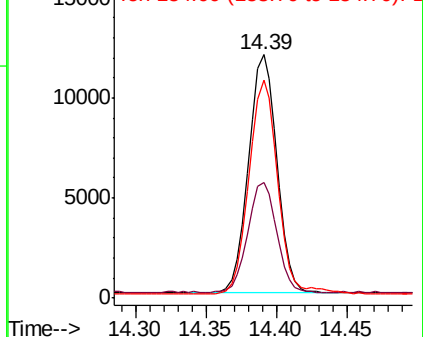
153 100

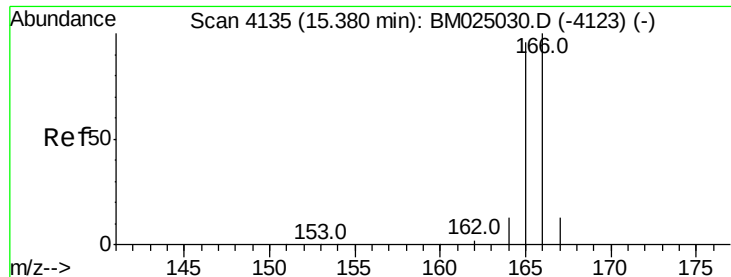
152 47.2 40.0 60.0

154 89.4 71.0 106.6



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.839 ng/ul

RT: 15.38 min Scan# 4135

Delta R.T. 0.00 min

Lab File: BM025031.D

Acq: 24 Feb 2020 20:47

Instrument :

BNA_M

ClientSampleId :

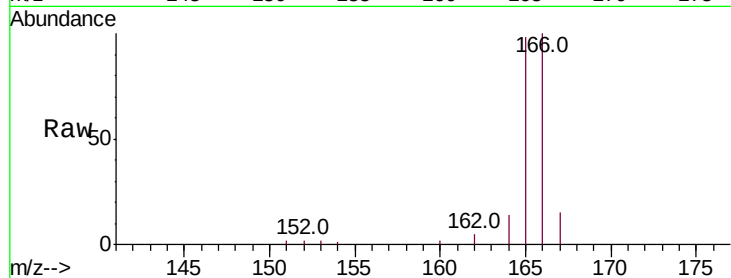
Tot Ion:166 Resp: 20882

Ion Ratio Lower Upper

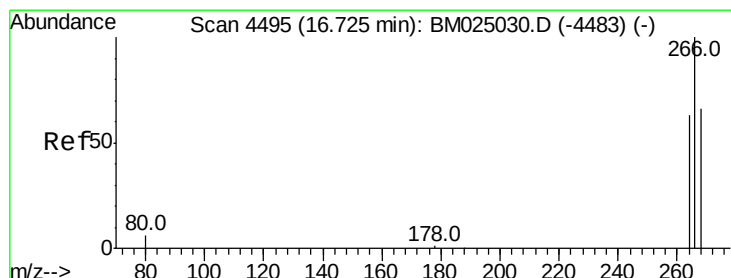
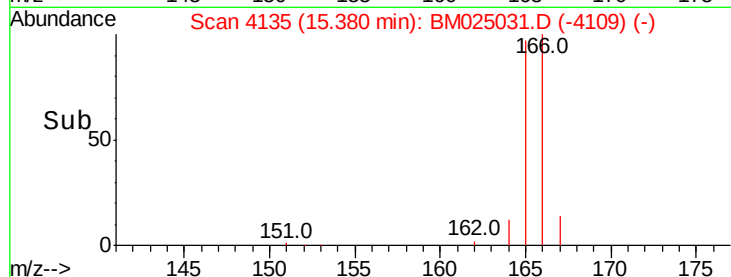
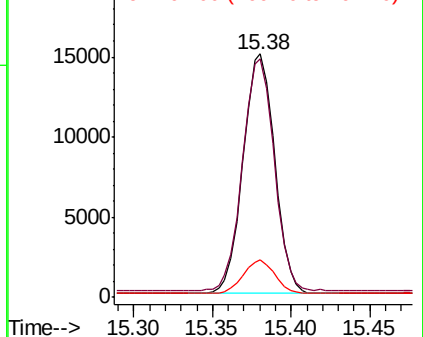
166 100

165 98.1 80.0 120.0

167 15.2 13.7 20.5



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



#11

Pentachlorophenol

Concen: 1.184 ng/ul

RT: 16.72 min Scan# 4494

Delta R.T. -0.00 min

Lab File: BM025031.D

Acq: 24 Feb 2020 20:47

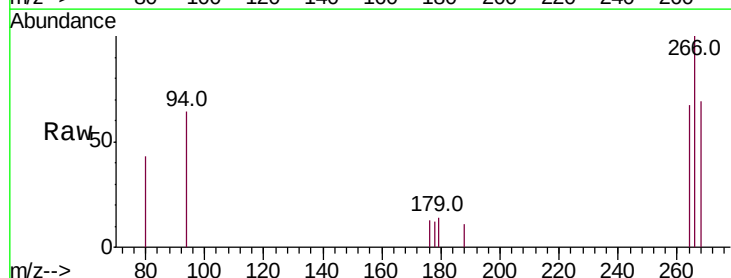
Tgt Ion:266 Resp: 3324

Ion Ratio Lower Upper

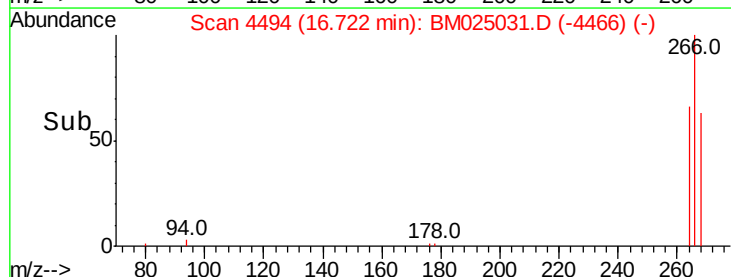
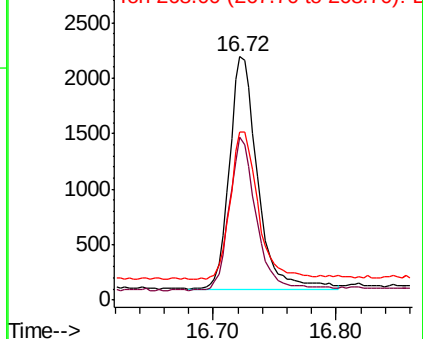
266 100

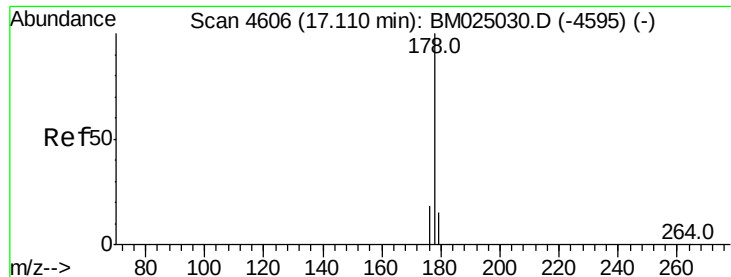
264 64.9 49.8 74.6

268 62.4 49.0 73.4



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.806 ng/ul

RT: 17.11 min Scan# 4606

Delta R.T. 0.00 min

Lab File: BM025031.D

Acq: 24 Feb 2020 20:47

Instrument :

BNA_M

ClientSampleId :

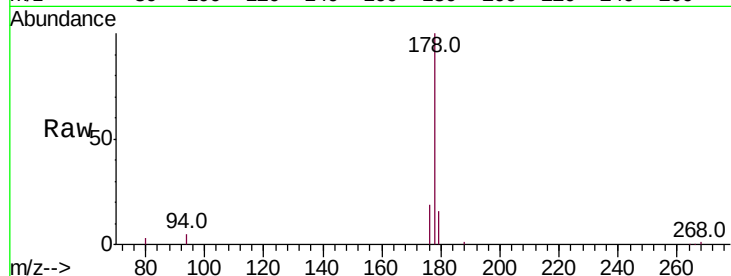
Tot Ion:178 Resp: 35531

Ion Ratio Lower Upper

178 100

179 16.1 14.0 21.0

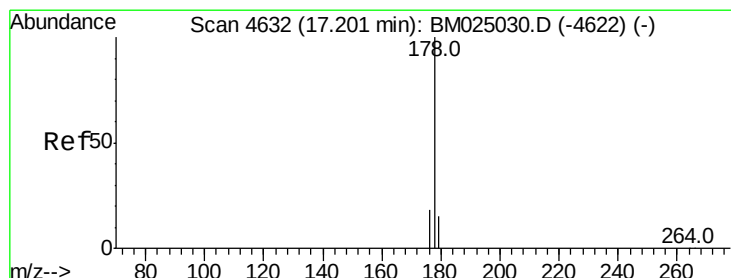
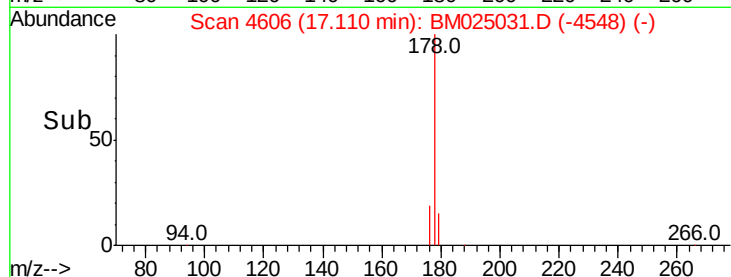
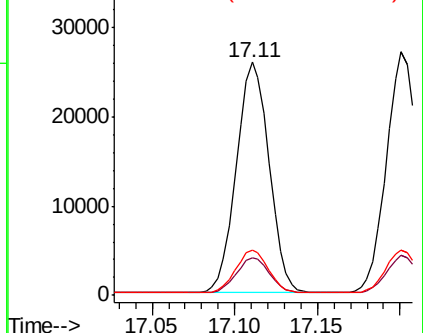
176 19.4 16.6 24.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 0.960 ng/ul

RT: 17.20 min Scan# 4632

Delta R.T. 0.00 min

Lab File: BM025031.D

Acq: 24 Feb 2020 20:47

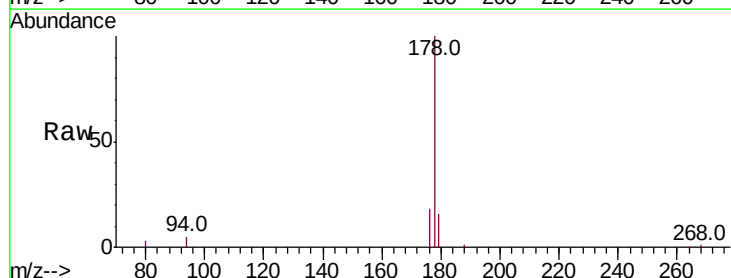
Tgt Ion:178 Resp: 36325

Ion Ratio Lower Upper

178 100

179 16.3 14.1 21.1

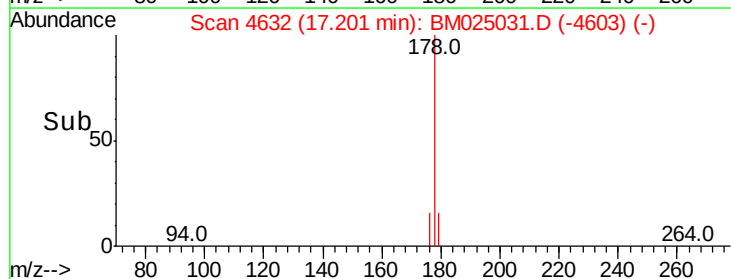
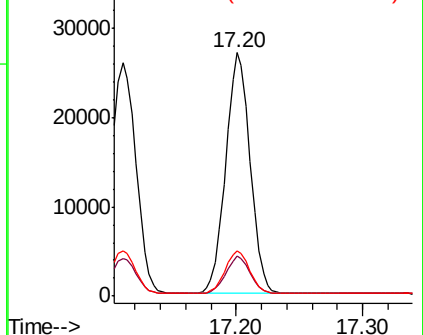
176 18.5 16.2 24.4

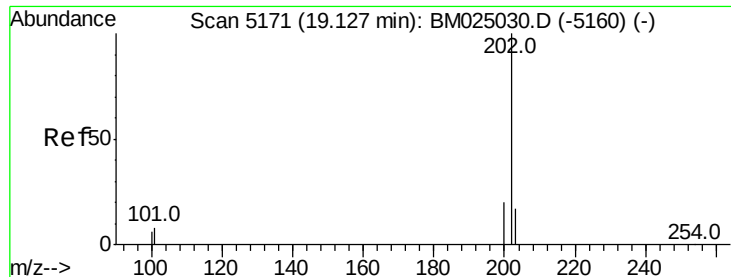


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

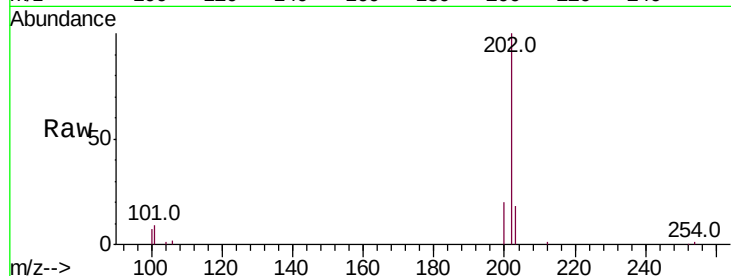




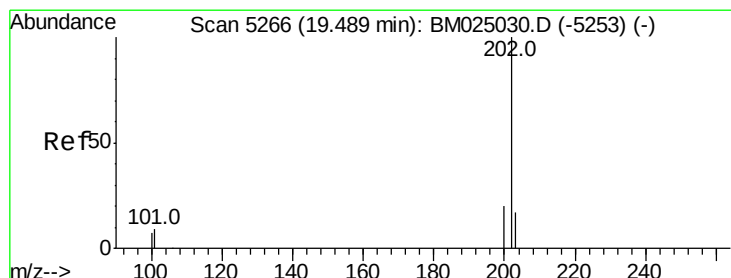
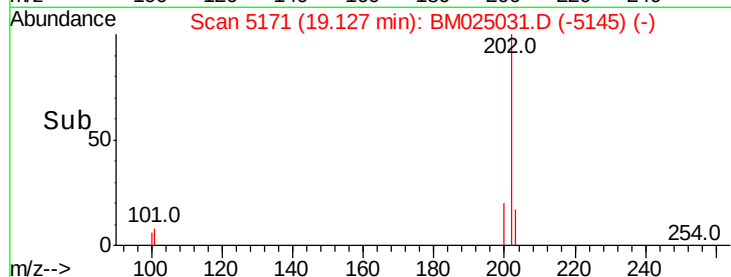
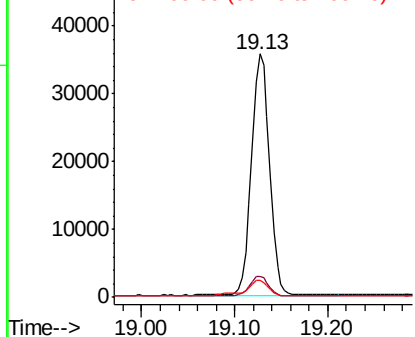
#15
Fluoranthene
Concen: 1.001 ng/ul
RT: 19.13 min Scan# 5171
Delta R.T. 0.00 min
Lab File: BM025031.D
Acq: 24 Feb 2020 20:47

Instrument :
BNA_M
ClientSampled :

Tot Ion:202 Resp: 47633
Ion Ratio Lower Upper
202 100
101 8.6 0.0 29.4
100 7.0 0.0 28.0

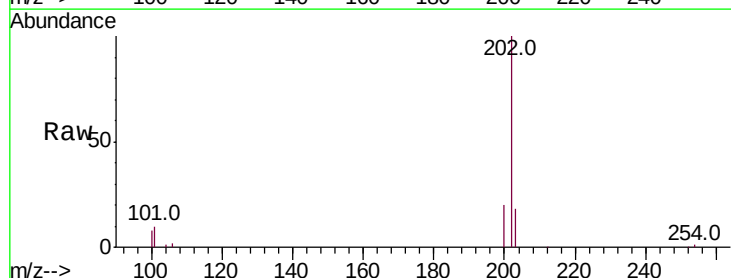


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

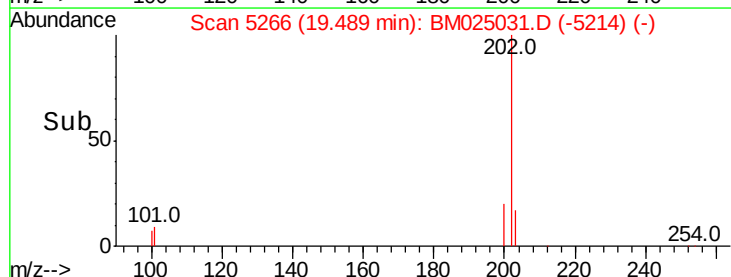
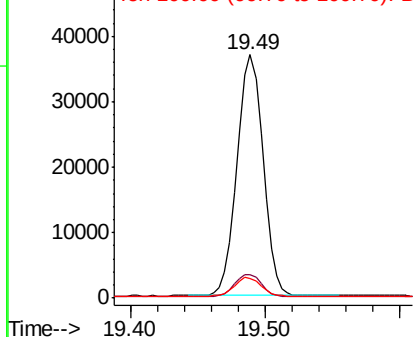


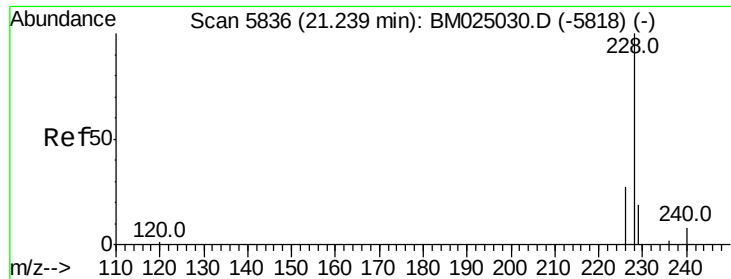
#17
Pyrene
Concen: 0.699 ng/ul
RT: 19.49 min Scan# 5266
Delta R.T. 0.00 min
Lab File: BM025031.D
Acq: 24 Feb 2020 20:47

Tgt Ion:202 Resp: 48137
Ion Ratio Lower Upper
202 100
101 9.8 8.7 13.1
100 8.1 7.3 10.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.836 ng/ul

RT: 21.24 min Scan# 5836

Delta R.T. 0.00 min

Lab File: BM025031.D

Acq: 24 Feb 2020 20:47

Instrument :

BNA_M

ClientSampleId :

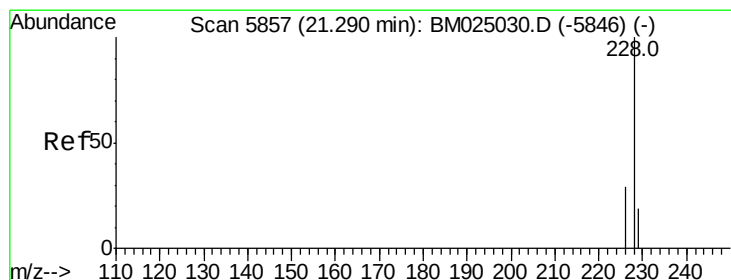
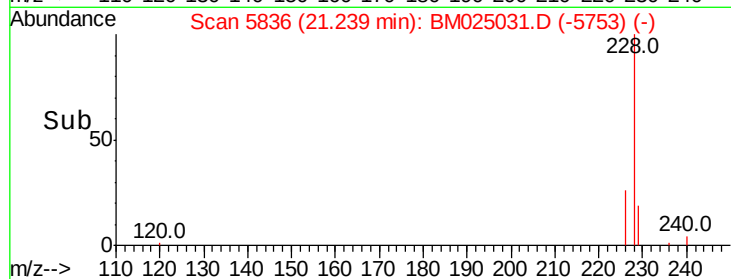
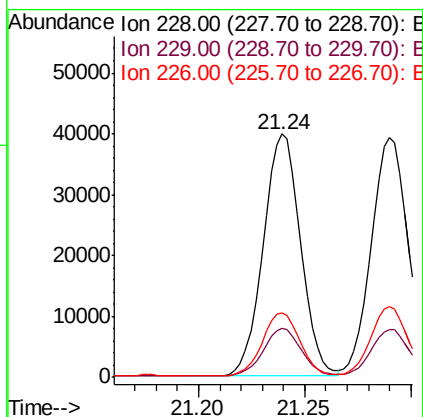
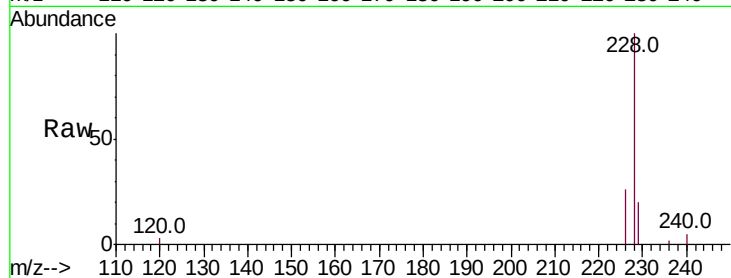
Tot Ion:228 Resp: 48630

Ion Ratio Lower Upper

228 100

229 20.0 16.6 25.0

226 26.5 21.9 32.9



#19

Chrysene

Concen: 0.784 ng/ul

RT: 21.29 min Scan# 5857

Delta R.T. 0.00 min

Lab File: BM025031.D

Acq: 24 Feb 2020 20:47

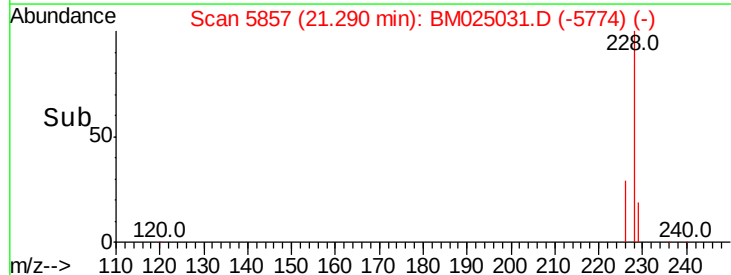
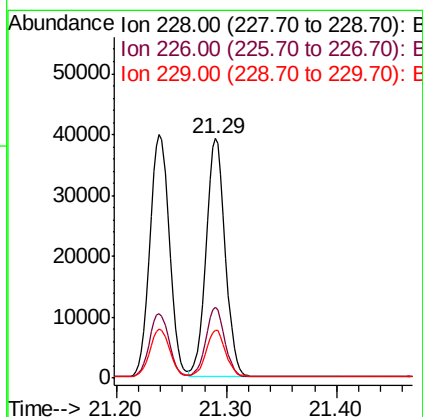
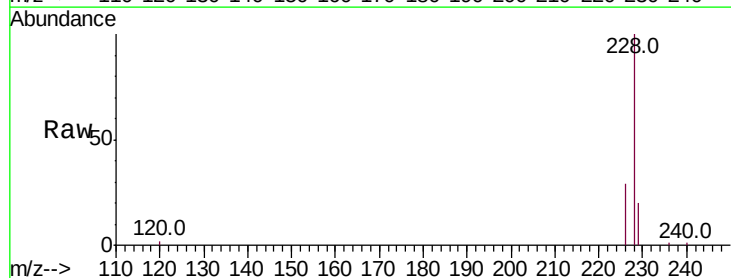
Tgt Ion:228 Resp: 47940

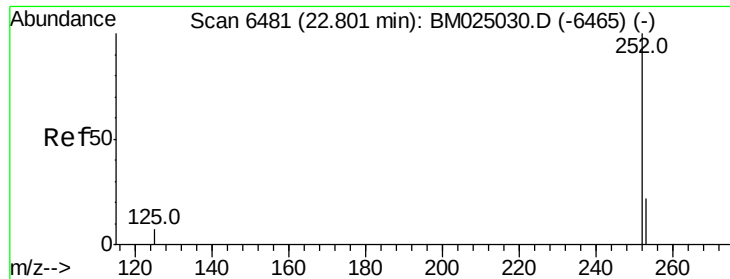
Ion Ratio Lower Upper

228 100

226 29.4 23.8 35.8

229 20.1 16.9 25.3





#21

Benzo(b)fluoranthene

Concen: 0.693 ng/ul

RT: 22.80 min Scan# 6481

Delta R.T. 0.00 min

Lab File: BM025031.D

Acq: 24 Feb 2020 20:47

Instrument :

BNA_M

ClientSampleId :

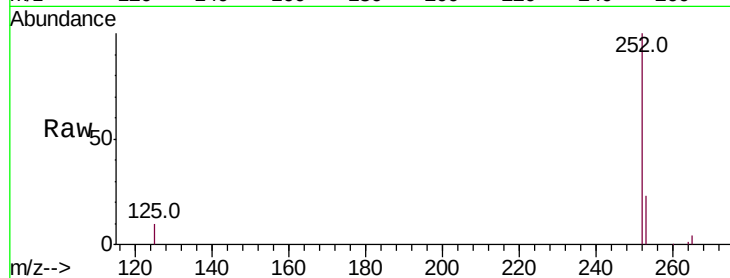
Tot Ion:252 Resp: 49464

Ion Ratio Lower Upper

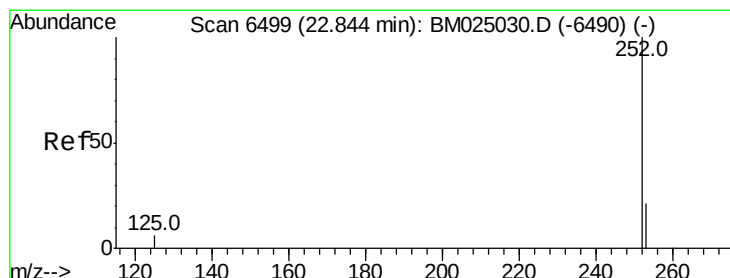
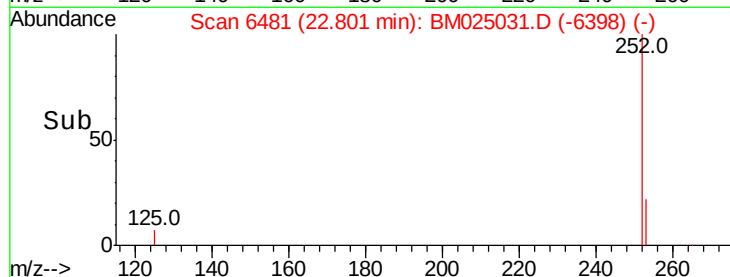
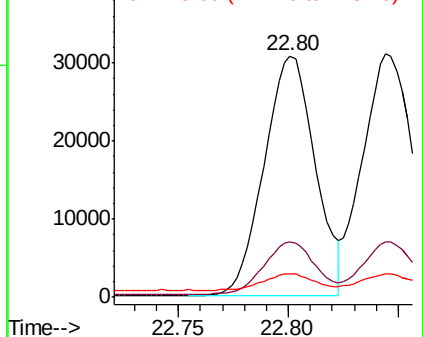
252 100

253 23.0 0.0 49.8

125 9.7 0.0 28.6



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



#22

Benzo(k)fluoranthene

Concen: 0.683 ng/ul

RT: 22.84 min Scan# 6499

Delta R.T. 0.00 min

Lab File: BM025031.D

Acq: 24 Feb 2020 20:47

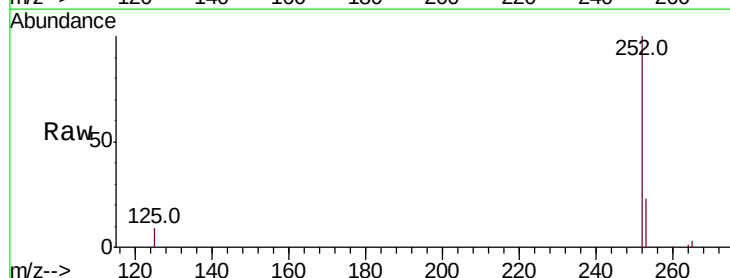
Tgt Ion:252 Resp: 49777

Ion Ratio Lower Upper

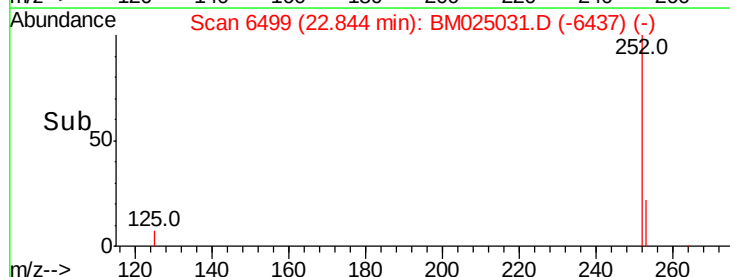
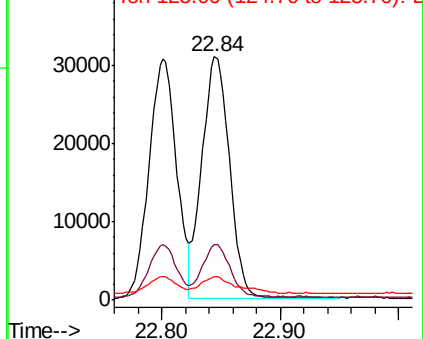
252 100

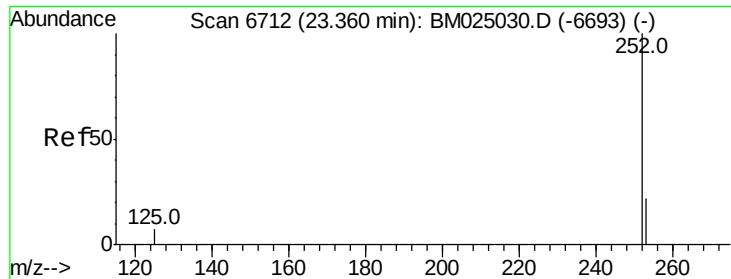
253 23.0 19.4 29.0

125 9.5 10.7 16.1#



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





#23

Benzo(a)pyrene

Concen: 0.733 ng/ul

RT: 23.36 min Scan# 6712

Delta R.T. 0.00 min

Lab File: BM025031.D

Acq: 24 Feb 2020 20:47

Instrument :

BNA_M

ClientSampleId :

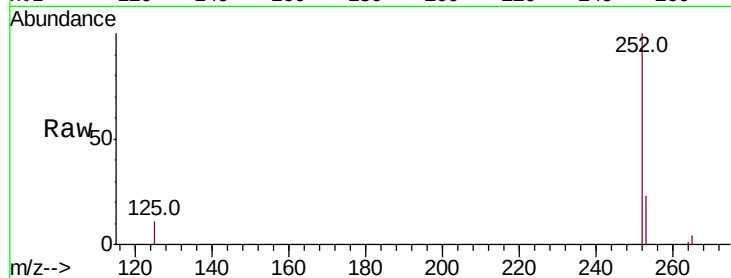
Tot Ion:252 Resp: 45821

Ion Ratio Lower Upper

252 100

253 23.1 20.3 30.5

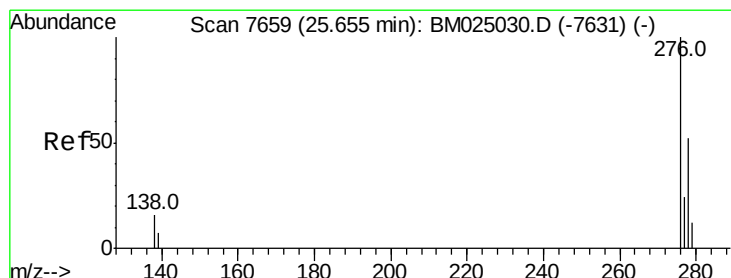
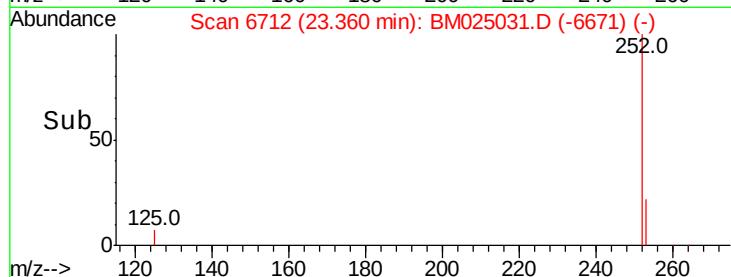
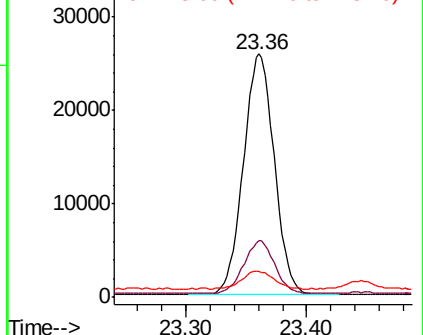
125 10.8 13.0 19.4#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.758 ng/ul

RT: 25.65 min Scan# 7658

Delta R.T. -0.00 min

Lab File: BM025031.D

Acq: 24 Feb 2020 20:47

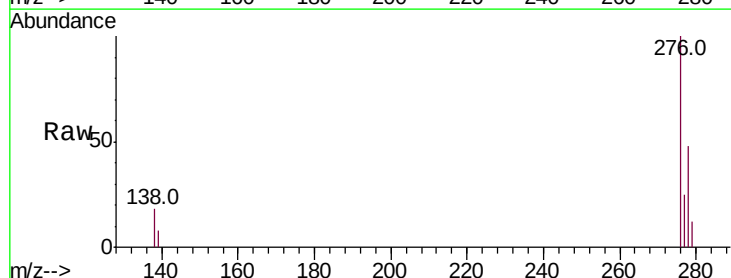
Tgt Ion:276 Resp: 57764

Ion Ratio Lower Upper

276 100

138 17.3 0.0 0.0#

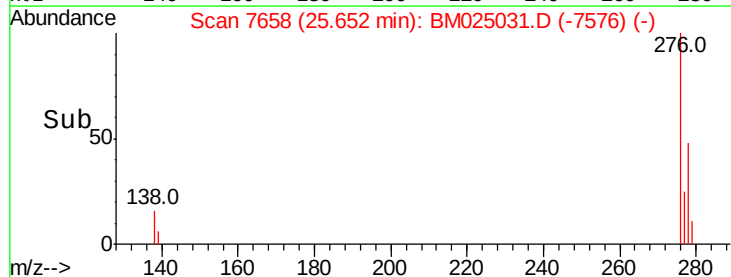
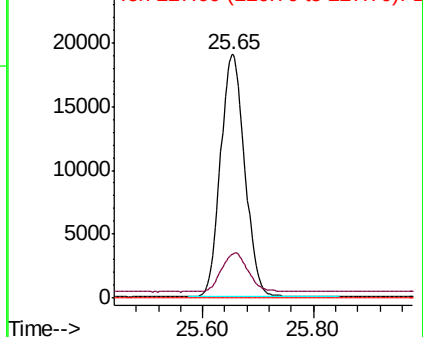
227 0.0 0.0 0.0

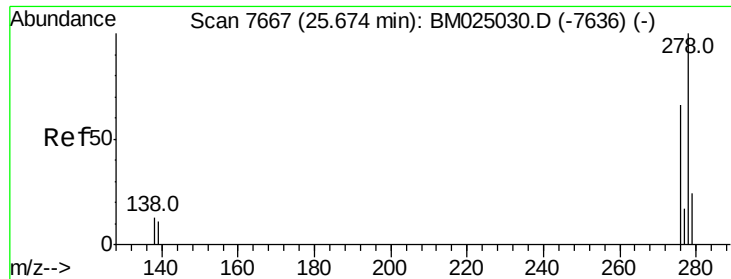


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.783 ng/ul

RT: 25.67 min Scan# 7667

Delta R.T. 0.00 min

Lab File: BM025031.D

Acq: 24 Feb 2020 20:47

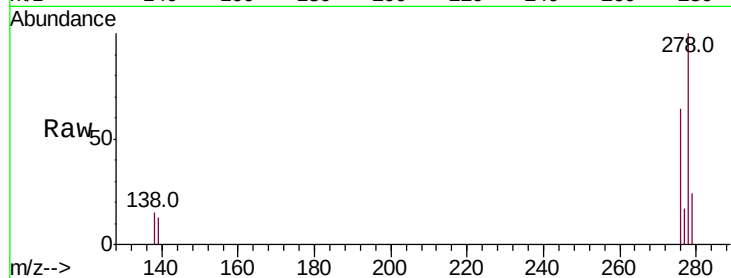
Instrument :

BNA_M

ClientSampleId :

Tot Ion:278 Resp: 48207

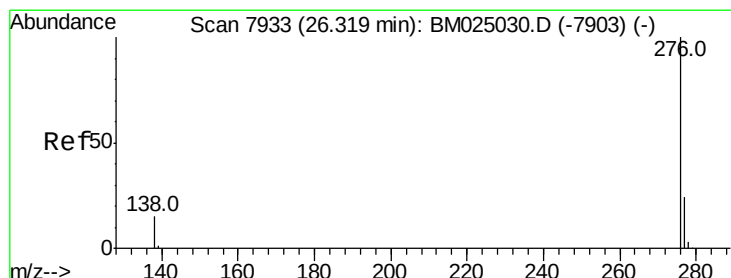
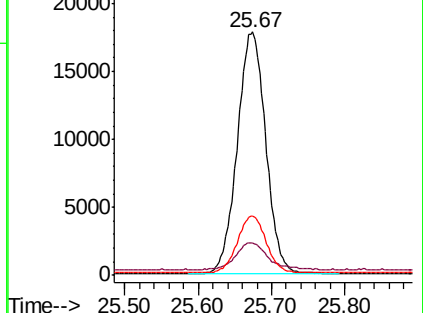
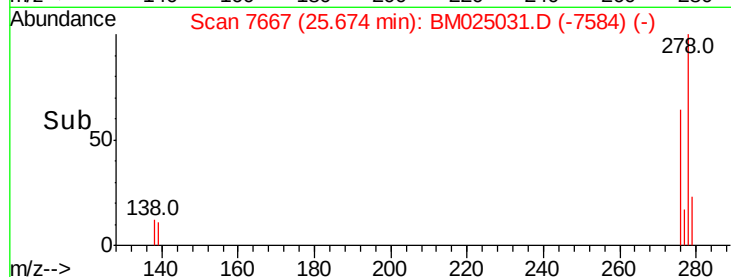
Ion	Ratio	Lower	Upper
278	100		
139	13.2	13.2	19.8
279	24.1	21.0	31.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.798 ng/ul

RT: 26.32 min Scan# 7933

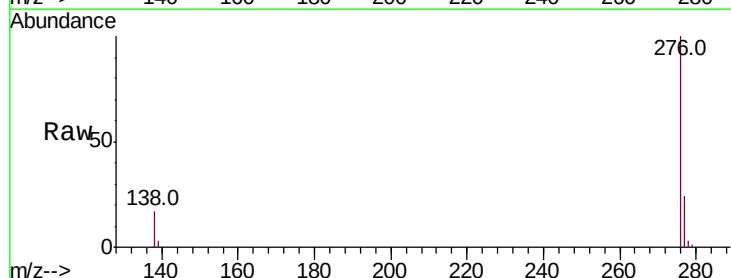
Delta R.T. 0.00 min

Lab File: BM025031.D

Acq: 24 Feb 2020 20:47

Tgt Ion:276 Resp: 48436

Ion	Ratio	Lower	Upper
276	100		
138	17.2	17.9	26.9#
277	24.4	20.5	30.7



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

