

Data File : BM021905.D
Acq On : 07 Aug 2019 20:43
Operator : HP/JU
Sample : K3893-03DL 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEP01DL

Quant Time: Aug 08 04:42:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 08 04:39:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	928	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	4014	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	2252	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	5020	0.40	ng/ul	-0.01
16) Chrysene-d12	21.24	240	4880	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	6749	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	269	0.04	ng/ul	0.01
14) Fluoranthene-d10	19.07	212	858	0.05	ng/ul	0.00

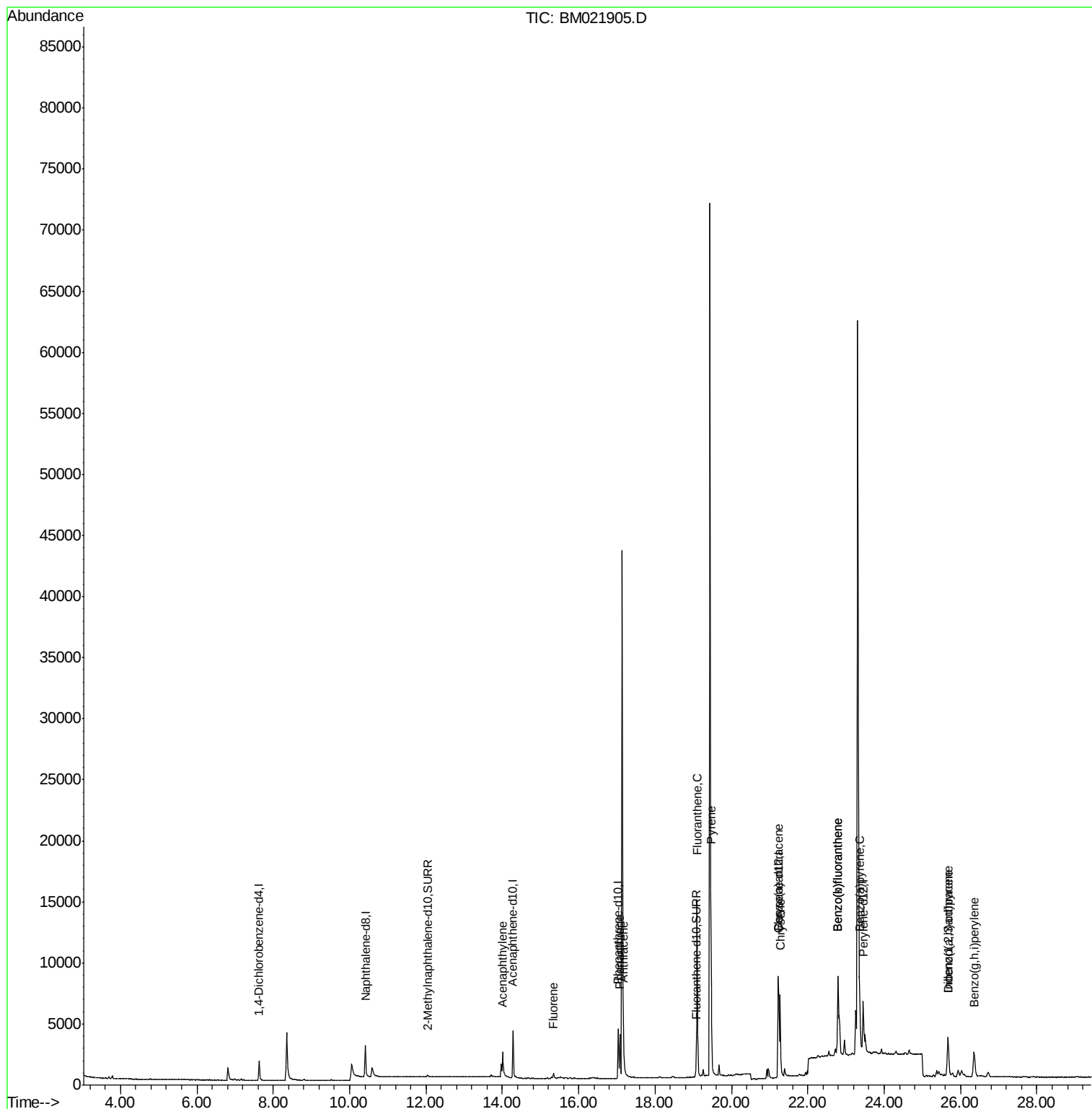
Target Compounds				Qvalue		
7) Acenaphthylene	14.00	152	1049	0.100	ng/ul#	80
9) Fluorene	15.34	166	316	0.033	ng/ul#	90
12) Phenanthrene	17.08	178	4012	0.275	ng/ul	99
13) Anthracene	17.17	178	1372	0.110	ng/ul#	88
15) Fluoranthene	19.10	202	13778	0.704	ng/ul	98
17) Pyrene	19.46	202	11538	0.575	ng/ul	97
18) Benzo(a)anthracene	21.22	228	7284	0.417	ng/ul	98
19) Chrysene	21.27	228	6709	0.299	ng/ul	96
21) Benzo(b)fluoranthene	22.79	252	14671	0.645	ng/ul	92
22) Benzo(k)fluoranthene	22.79	252	14671	0.570	ng/ul	93
23) Benzo(a)pyrene	23.36	252	6925	0.299	ng/ul	89
24) Indeno(1,2,3-cd)pyrene	25.67	276	5713	0.207	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.67	278	1464	0.066	ng/ul#	63
26) Benzo(g,h,i)perylene	26.35	276	4682	0.188	ng/ul	96

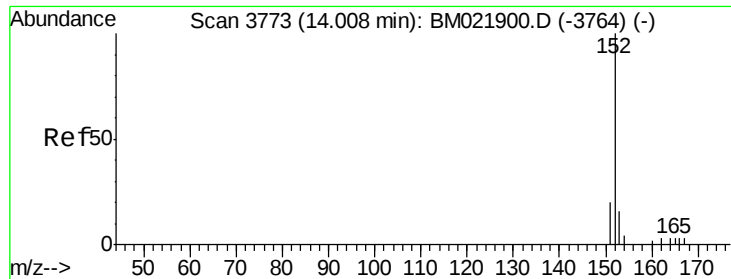
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.100 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. -0.01 min

Lab File: BM021905.D

Acq: 07 Aug 2019 20:43

Instrument :

BNA_M

ClientSampleId :

BEP01DL

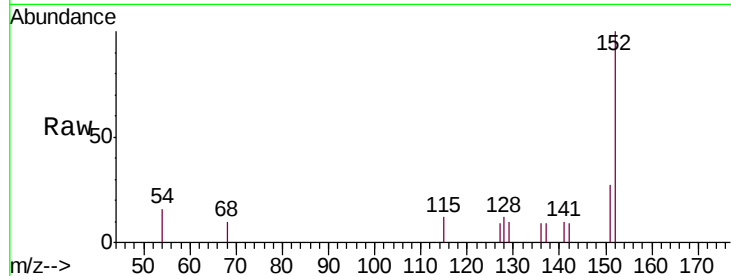
Tgt Ion:152 Resp: 1049

Ion Ratio Lower Upper

152 100

151 26.7 18.3 27.5

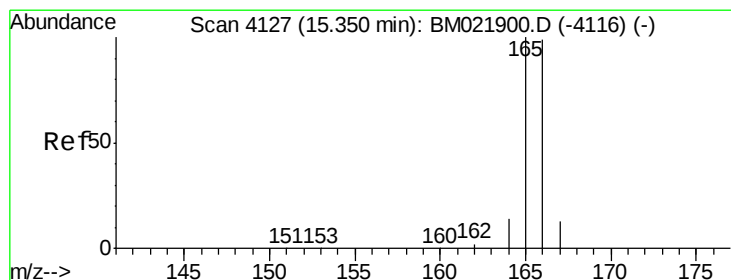
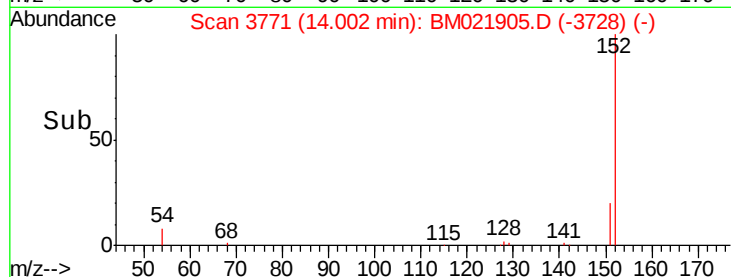
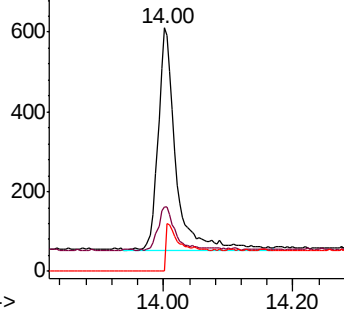
153 0.0 12.8 19.2#



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



#9

Fluorene

Concen: 0.033 ng/ul

RT: 15.34 min Scan# 4123

Delta R.T. -0.01 min

Lab File: BM021905.D

Acq: 07 Aug 2019 20:43

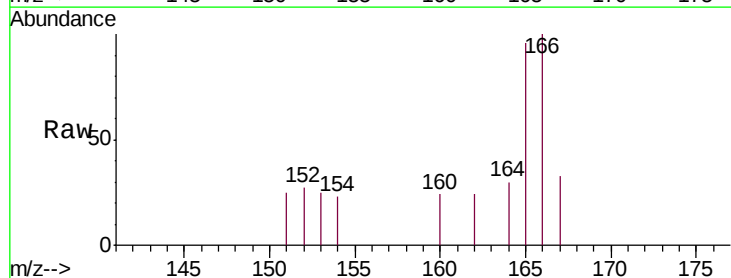
Tgt Ion:166 Resp: 316

Ion Ratio Lower Upper

166 100

165 96.1 81.4 122.0

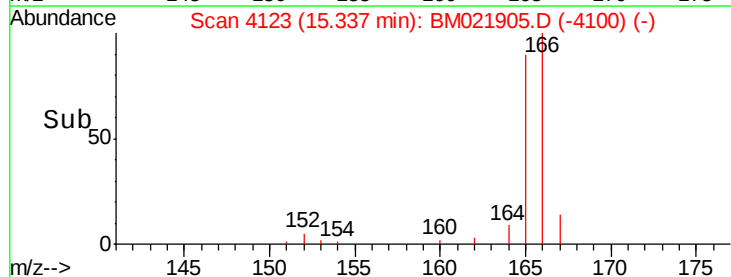
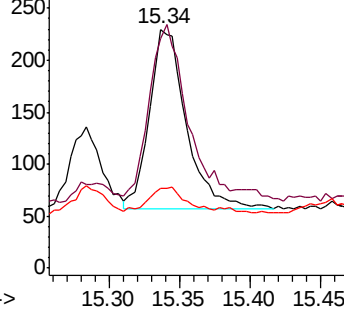
167 33.5 13.7 20.5#

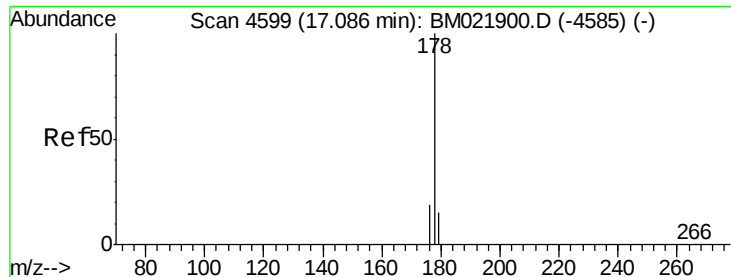


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.275 ng/ul

RT: 17.08 min Scan# 4596

Delta R.T. -0.01 min

Lab File: BM021905.D

Acq: 07 Aug 2019 20:43

Instrument :

BNA_M

ClientSampleId :

BEP01DL

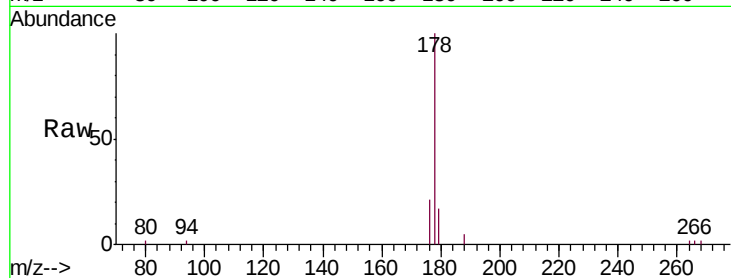
Tgt Ion:178 Resp: 4012

Ion Ratio Lower Upper

178 100

179 17.1 14.2 21.2

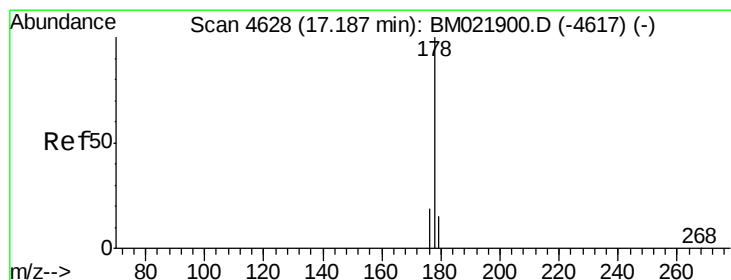
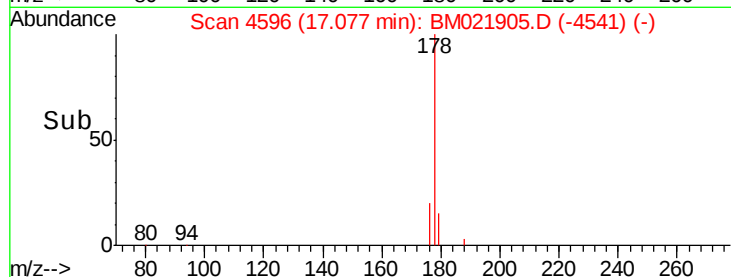
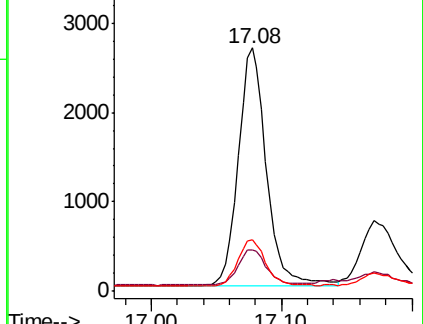
176 21.3 16.8 25.2



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: 0.110 ng/ul

RT: 17.17 min Scan# 4623

Delta R.T. -0.02 min

Lab File: BM021905.D

Acq: 07 Aug 2019 20:43

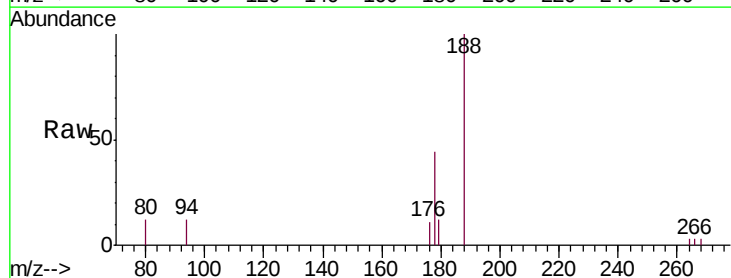
Tgt Ion:178 Resp: 1372

Ion Ratio Lower Upper

178 100

179 26.8 15.5 23.3#

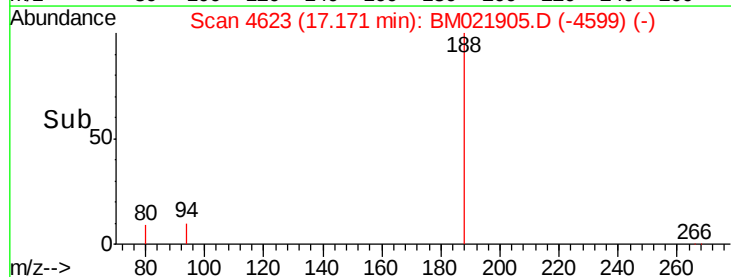
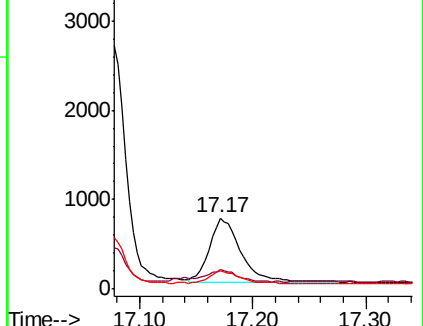
176 24.8 16.6 25.0

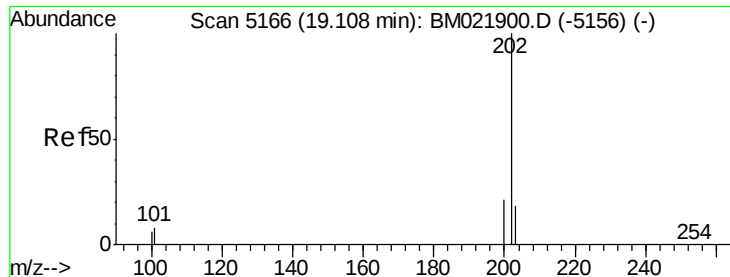


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.704 ng/ul

RT: 19.10 min Scan# 5164

Delta R.T. -0.01 min

Lab File: BM021905.D

Acq: 07 Aug 2019 20:43

Instrument :

BNA_M

ClientSampleId :

BEP01DL

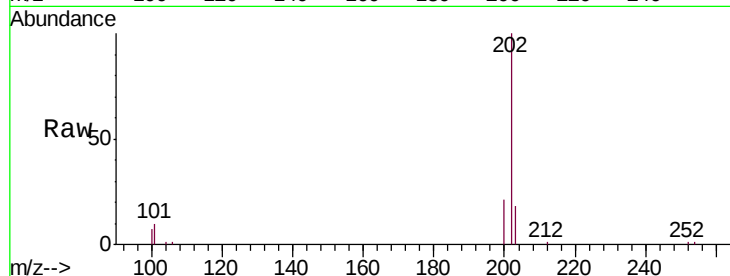
Tgt Ion:202 Resp: 13778

Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.2

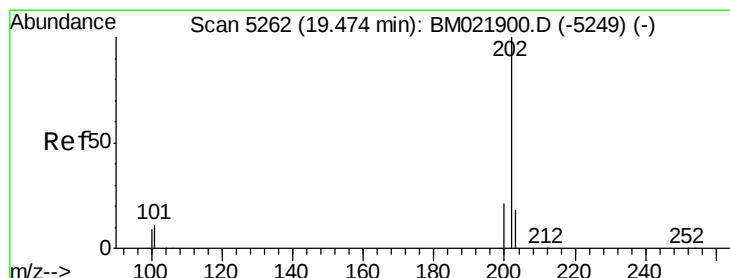
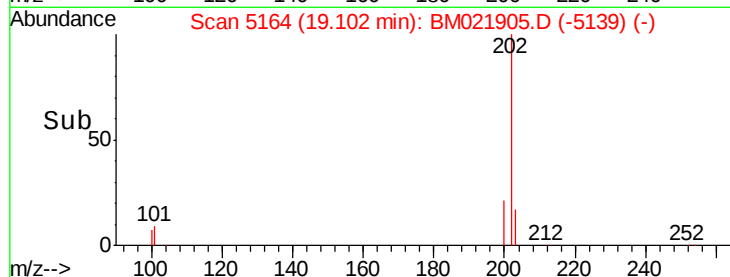
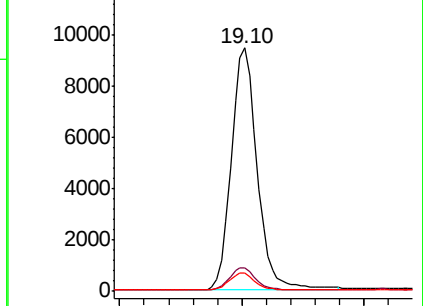
100 7.3 0.0 28.1



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: 0.575 ng/ul

RT: 19.46 min Scan# 5259

Delta R.T. -0.01 min

Lab File: BM021905.D

Acq: 07 Aug 2019 20:43

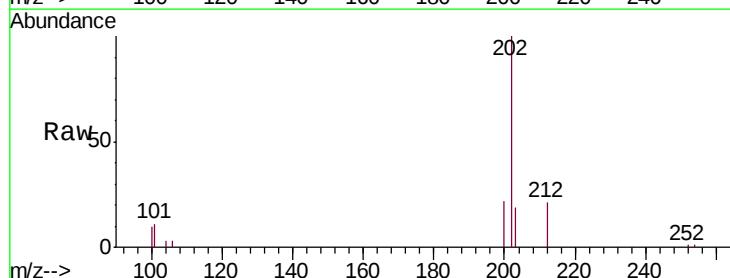
Tgt Ion:202 Resp: 11538

Ion Ratio Lower Upper

202 100

101 11.4 8.3 12.5

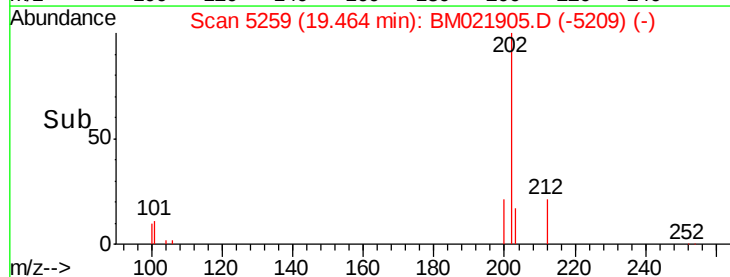
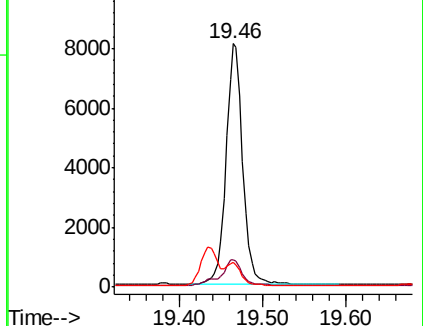
100 10.1 7.2 10.8

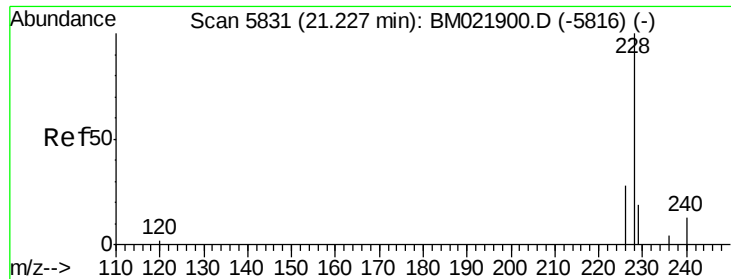


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.417 ng/ul

RT: 21.22 min Scan# 5828

Delta R.T. -0.01 min

Lab File: BM021905.D

Acq: 07 Aug 2019 20:43

Instrument :

BNA_M

ClientSampleId :

BEP01DL

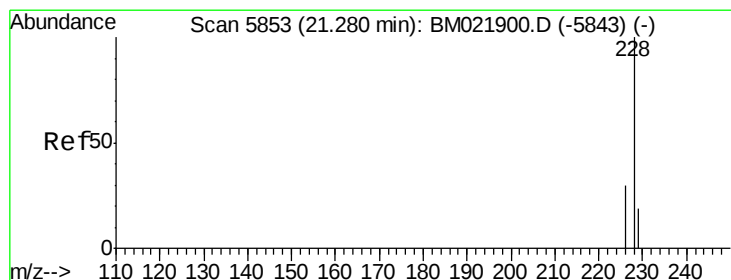
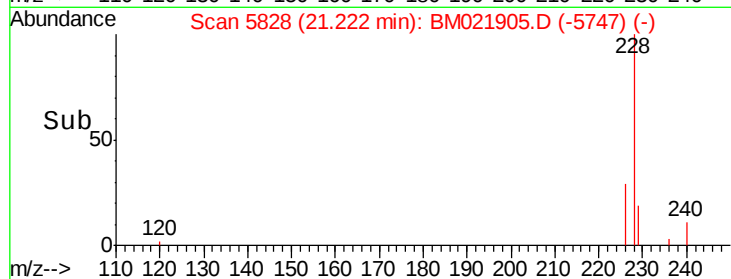
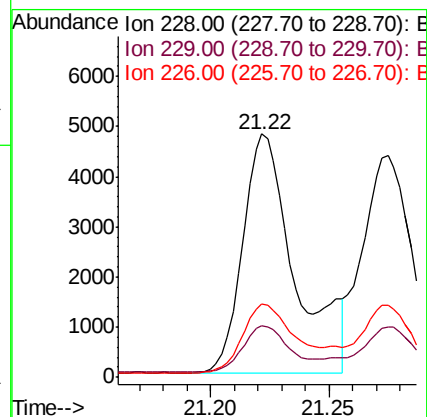
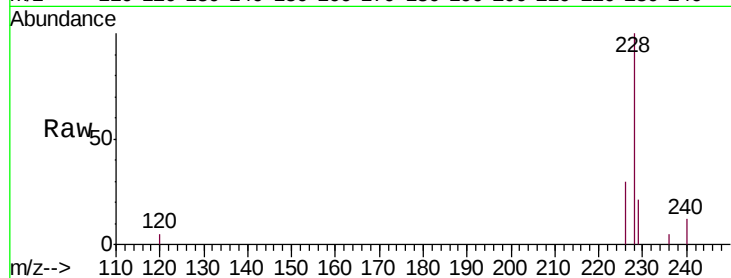
Tgt Ion:228 Resp: 7284

Ion Ratio Lower Upper

228 100

229 21.1 17.2 25.8

226 30.2 22.6 34.0



#19

Chrysene

Concen: 0.299 ng/ul

RT: 21.27 min Scan# 5850

Delta R.T. -0.01 min

Lab File: BM021905.D

Acq: 07 Aug 2019 20:43

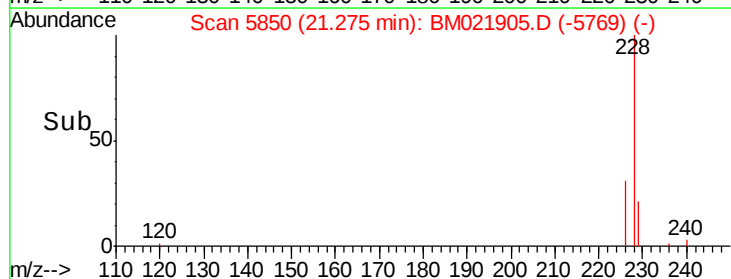
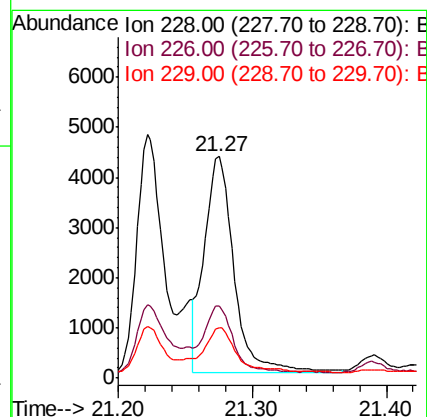
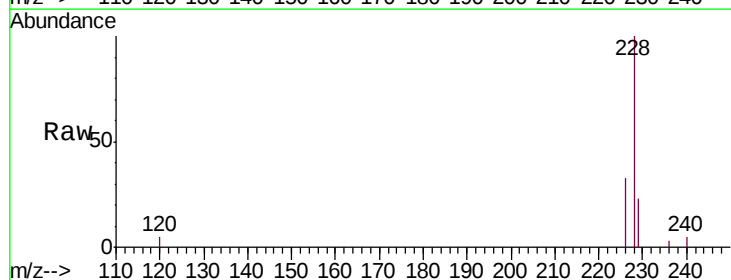
Tgt Ion:228 Resp: 6709

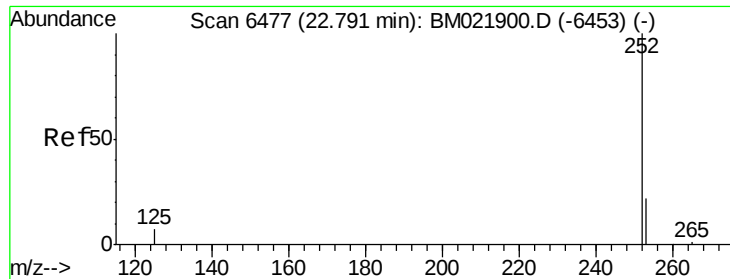
Ion Ratio Lower Upper

228 100

226 32.8 24.9 37.3

229 22.9 16.6 25.0





#21

Benzo(b)fluoranthene

Concen: 0.645 ng/ul

RT: 22.79 min Scan# 6474

Delta R.T. -0.01 min

Lab File: BM021905.D

Acq: 07 Aug 2019 20:43

Instrument :

BNA_M

ClientSampleId :

BEP01DL

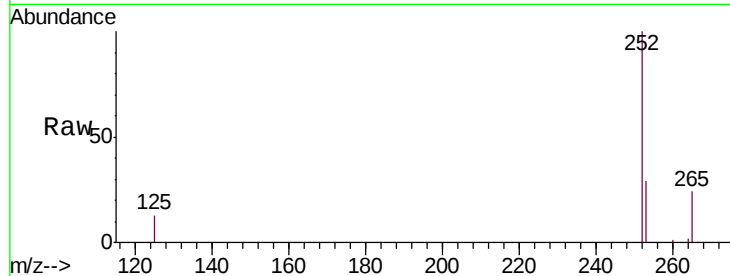
Tgt Ion:252 Resp: 14671

Ion Ratio Lower Upper

252 100

253 28.7 0.0 67.4

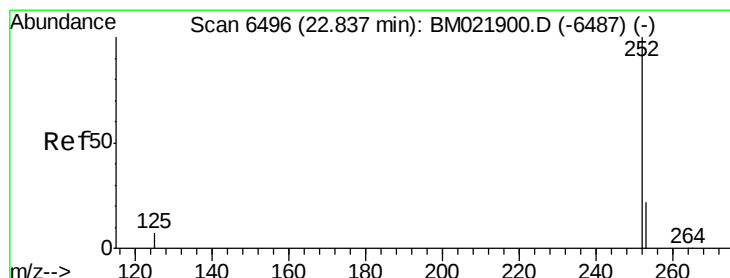
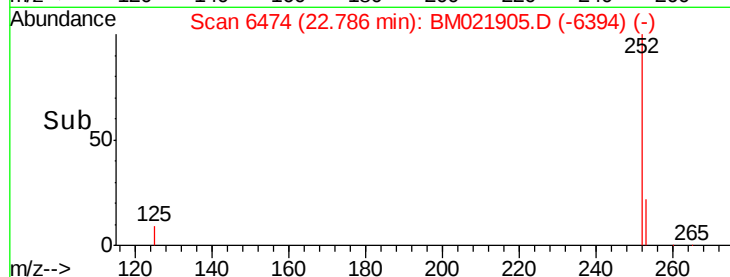
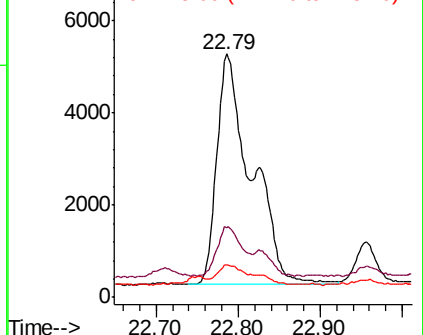
125 13.4 0.0 31.0



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



#22

Benzo(k)fluoranthene

Concen: 0.570 ng/ul

RT: 22.79 min Scan# 6474

Delta R.T. -0.05 min

Lab File: BM021905.D

Acq: 07 Aug 2019 20:43

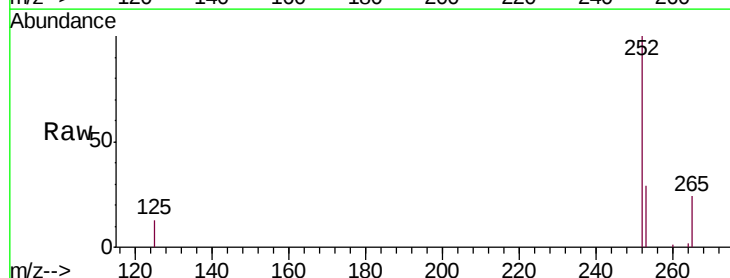
Tgt Ion:252 Resp: 14671

Ion Ratio Lower Upper

252 100

253 28.7 27.0 40.4

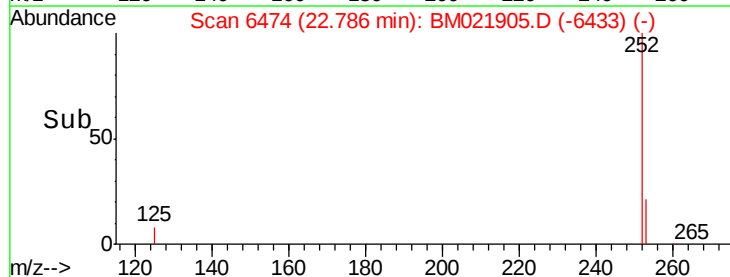
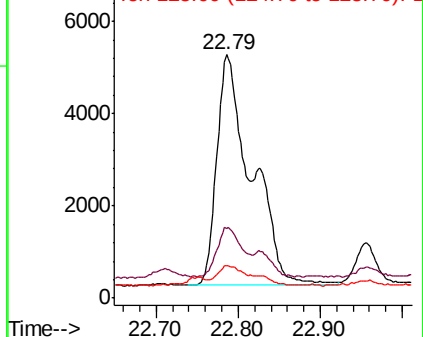
125 13.4 12.2 18.2

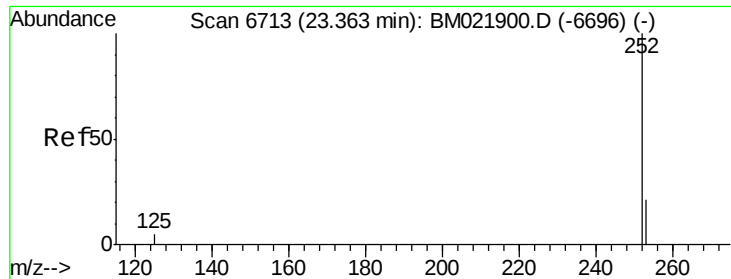


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.299 ng/ul

RT: 23.36 min Scan# 6709

Delta R.T. -0.01 min

Lab File: BM021905.D

Acq: 07 Aug 2019 20:43

Instrument :

BNA_M

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BEP01DL

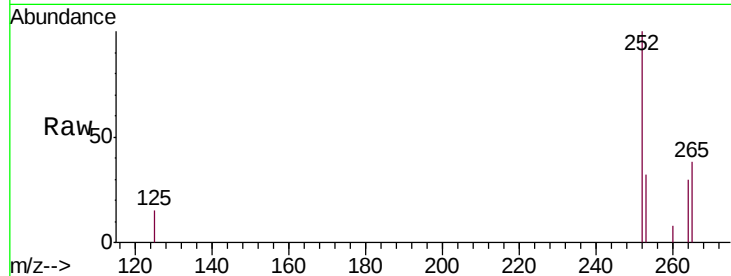
Tgt Ion:252 Resp: 6925

Ion Ratio Lower Upper

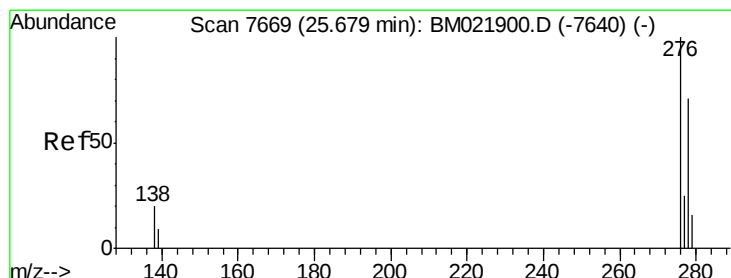
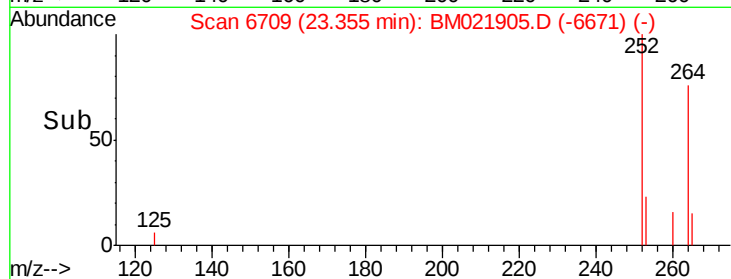
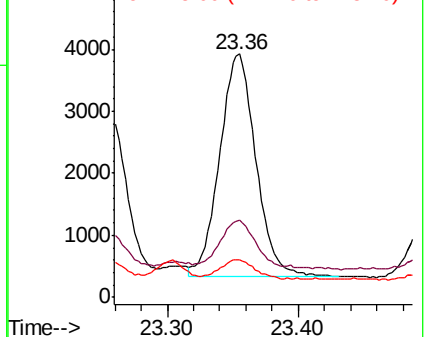
252 100

253 31.9 31.7 47.5

125 15.4 14.6 21.8



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: 0.207 ng/ul

RT: 25.67 min Scan# 7665

Delta R.T. -0.01 min

Lab File: BM021905.D

Acq: 07 Aug 2019 20:43

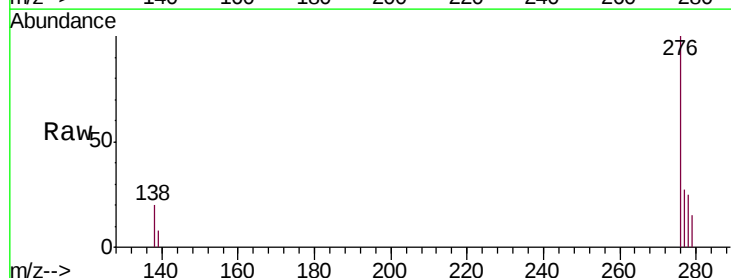
Tgt Ion:276 Resp: 5713

Ion Ratio Lower Upper

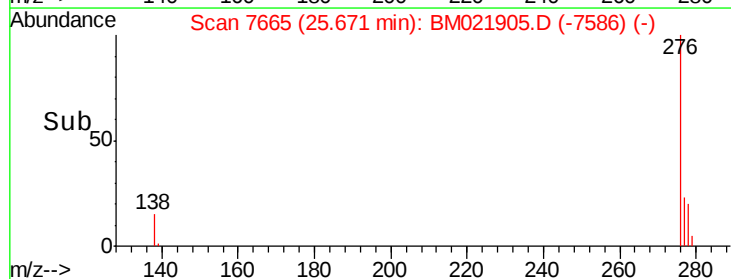
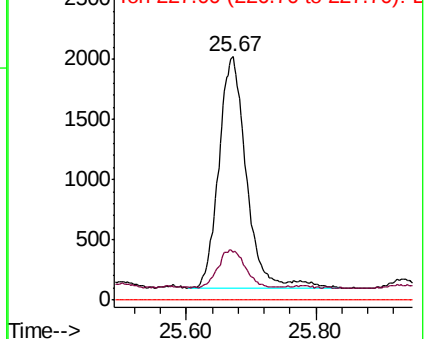
276 100

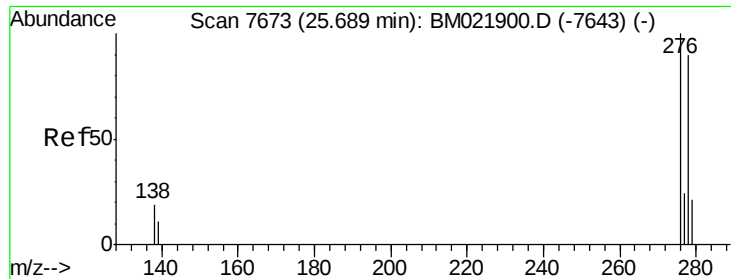
138 15.8 15.1 22.7

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

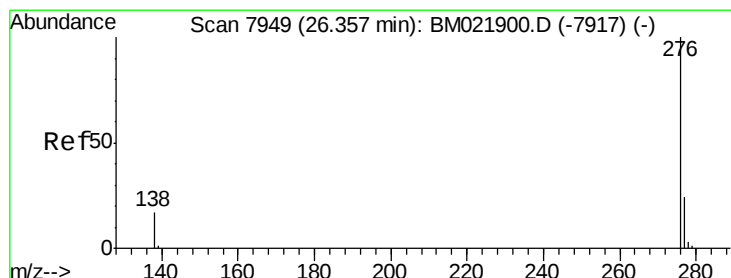
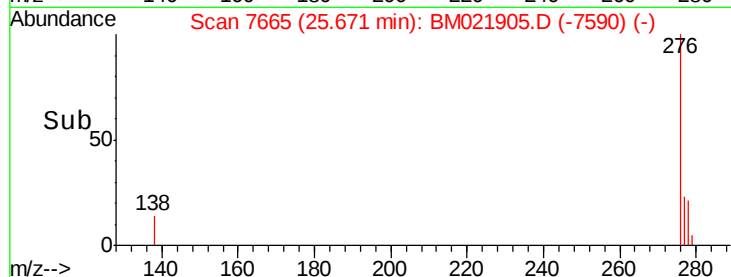
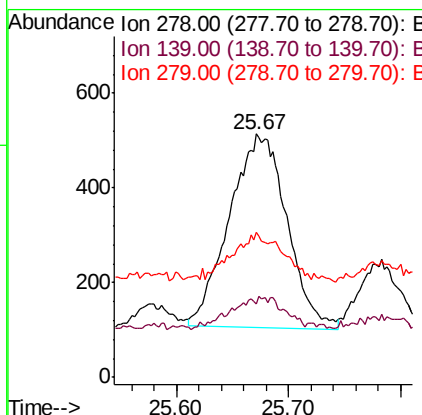
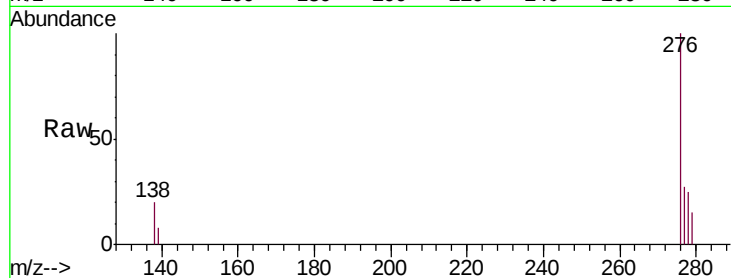




#25
Dibenzo(a,h)anthracene
Concen: 0.066 ng/ul
RT: 25.67 min Scan# 7665
Delta R.T. -0.02 min
Lab File: BM021905.D
Acq: 07 Aug 2019 20:43

Instrument :
BNA_M
ClientSampleId :
BEP01DL

Tgt Ion:278 Resp: 1464
Ion Ratio Lower Upper
278 100
139 30.0 14.2 21.2#
279 59.5 28.3 42.5#



#26
Benzo(g,h,i)perylene
Concen: 0.188 ng/ul
RT: 26.35 min Scan# 7947
Delta R.T. -0.00 min
Lab File: BM021905.D
Acq: 07 Aug 2019 20:43

Tgt Ion:276 Resp: 4682
Ion Ratio Lower Upper
276 100
138 22.0 15.5 23.3
277 28.6 21.4 32.2

