

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022820\
 Data File : BM025130.D
 Acq On : 28 Feb 2020 11:53
 Operator : CG/JU
 Sample : L1582-16
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBDJ0

Quant Time: Feb 28 12:42:48 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 11:03:43 2020
 Response via : Initial Calibration

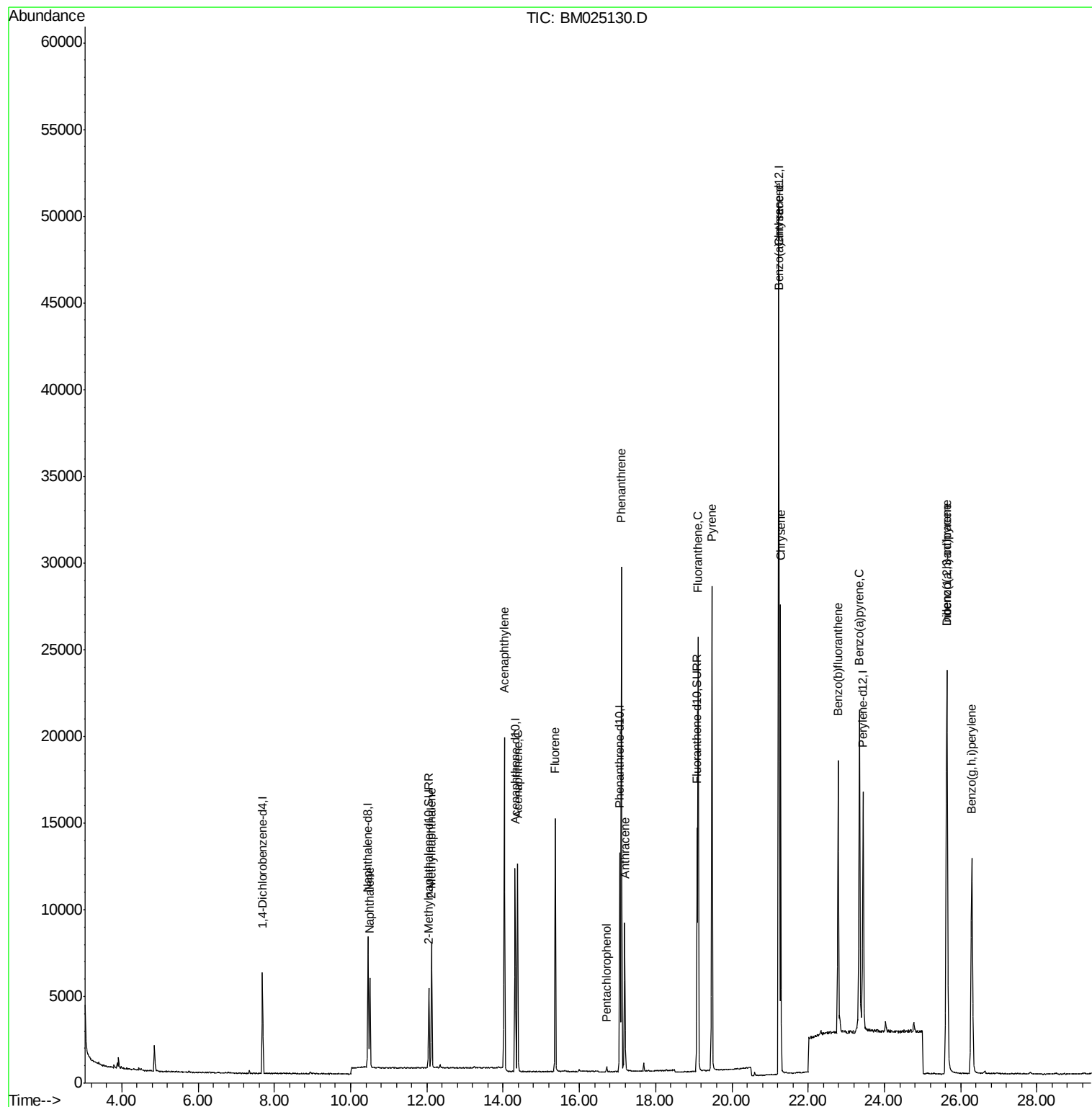
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	2843	0.40	ng/ul	0.00
2) Naphthalene-d8	10.46	136	10401	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.32	164	6337	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.06	188	14910	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	15821	0.40	ng/ul	-0.01
20) Perylene-d12	23.44	264	17309	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	5920	0.30	ng/ul	-0.01
14) Fluoranthene-d10	19.08	212	16060	0.31	ng/ul	-0.01
Target Compounds					Ovalue	
3) Naphthalene	10.51	128	6865	0.217	ng/ul#	85
5) 2-Methylnaphthalene	12.13	142	5208	0.228	ng/ul	100
7) Acenaphthylene	14.03	152	21824	0.597	ng/ul#	93
8) Acenaphthene	14.38	153	6927	0.282	ng/ul	98
9) Fluorene	15.37	166	9049	0.294	ng/ul	96
11) Pentachlorophenol	16.71	266	247	0.054	ng/ul	92
12) Phenanthrene	17.10	178	30001	0.572	ng/ul	95
13) Anthracene	17.19	178	9157	0.180	ng/ul	97
15) Fluoranthene	19.12	202	21983	0.289	ng/ul	95
17) Pyrene	19.48	202	24464	0.343	ng/ul	96
18) Benzo(a)anthracene	21.23	228	40283	0.590	ng/ul	97
19) Chrysene	21.28	228	22796	0.335	ng/ul	98
21) Benzo(b)fluoranthene	22.78	252	20606	0.304	ng/ul	94
23) Benzo(a)pyrene	23.34	252	26993	0.436	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.63	276	26655	0.343	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.64	278	23559	0.361	ng/ul#	95
26) Benzo(a,h,i)perylene	26.29	276	26738	0.409	ng/ul#	92

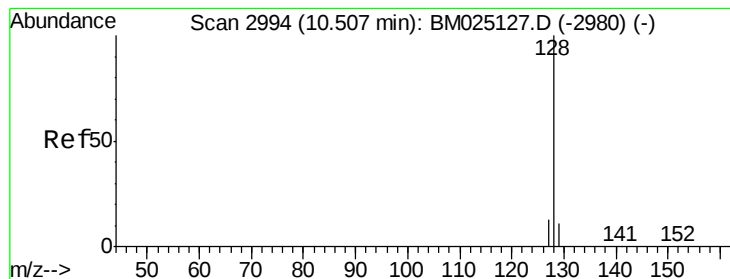
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.217 ng/ul

RT: 10.51 min Scan# 2994

Delta R.T. -0.01 min

Lab File: BM025130.D

Acq: 28 Feb 2020 11:53

Instrument :

BNA_M

ClientSampleId :

DBDJ0

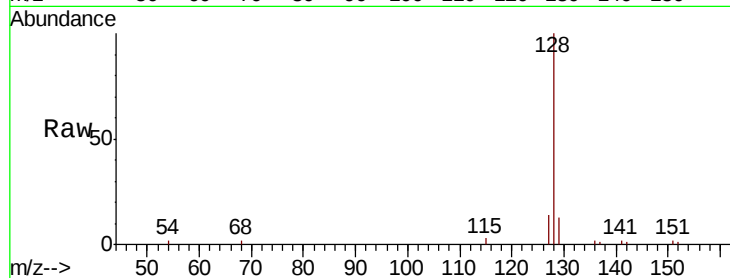
Tot Ion:128 Resp: 6865

Ion Ratio Lower Upper

128 100

129 12.9 17.0 25.6#

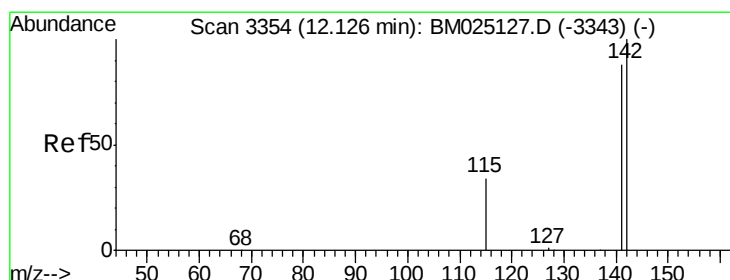
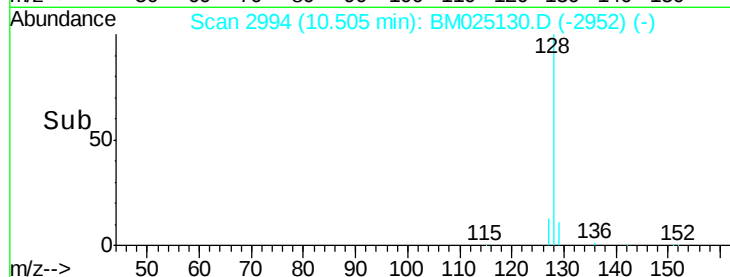
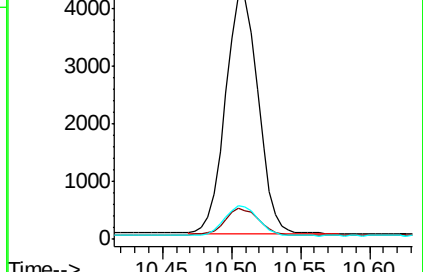
127 13.9 15.7 23.5#



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: 0.228 ng/ul

RT: 12.13 min Scan# 3355

Delta R.T. -0.01 min

Lab File: BM025130.D

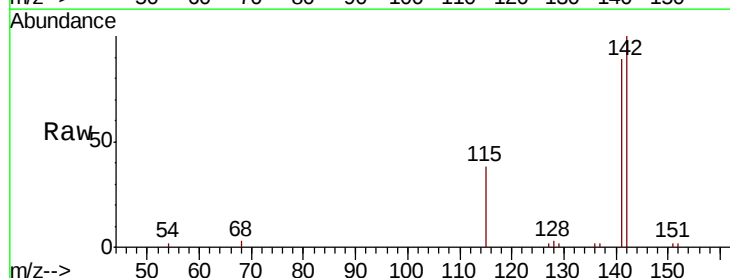
Acq: 28 Feb 2020 11:53

Tgt Ion:142 Resp: 5208

Ion Ratio Lower Upper

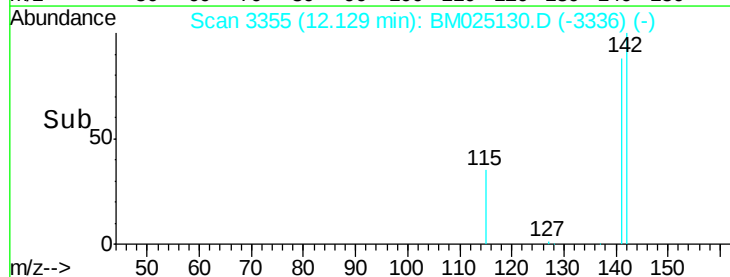
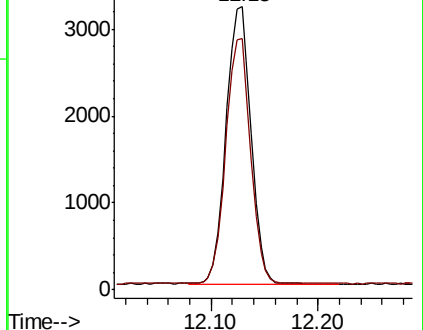
142 100

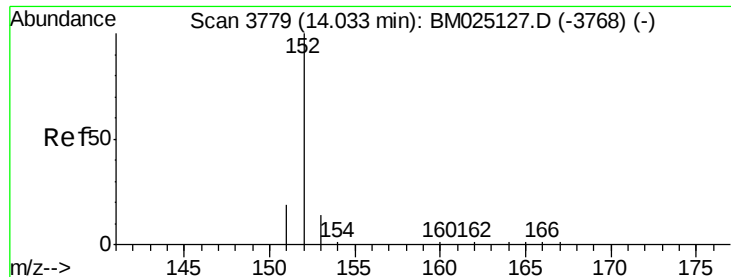
141 87.4 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.597 ng/ul

RT: 14.03 min Scan# 3779

Delta R.T. -0.01 min

Lab File: BM025130.D

Acq: 28 Feb 2020 11:53

Instrument :

BNA_M

ClientSampleId :

DBDJ0

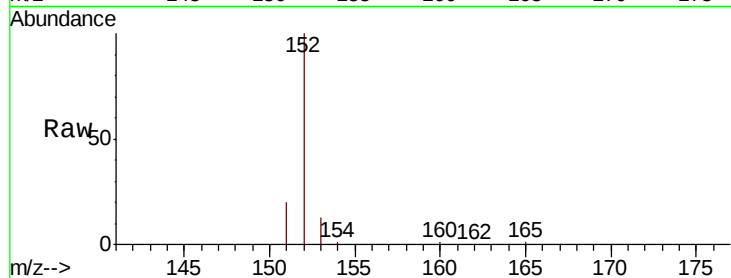
Tot Ion:152 Resp: 21824

Ion Ratio Lower Upper

152 100

151 19.5 17.8 26.8

153 13.2 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

20000

15000

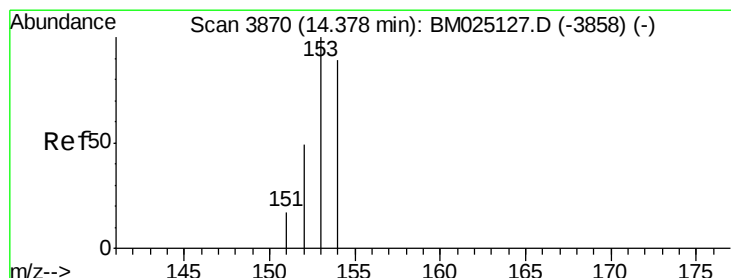
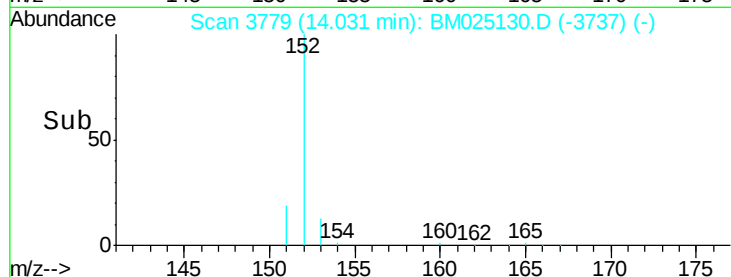
10000

5000

0

Time-->

13.90 14.00 14.10 14.20



#8

Acenaphthene

Concen: 0.282 ng/ul

RT: 14.38 min Scan# 3871

Delta R.T. -0.01 min

Lab File: BM025130.D

Acq: 28 Feb 2020 11:53

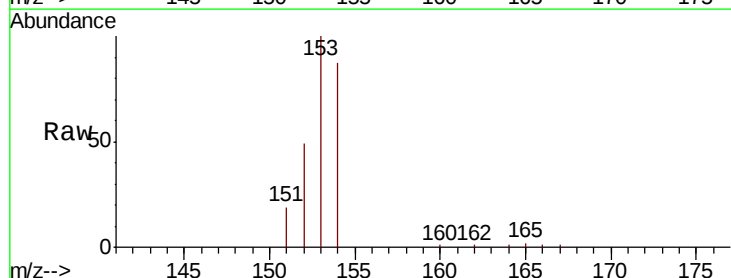
Tgt Ion:153 Resp: 6927

Ion Ratio Lower Upper

153 100

152 49.2 40.0 60.0

154 87.1 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

6000

5000

4000

3000

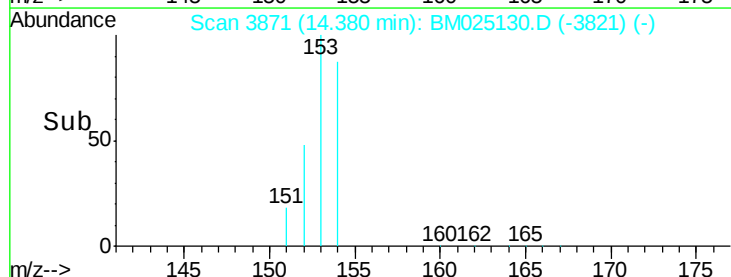
2000

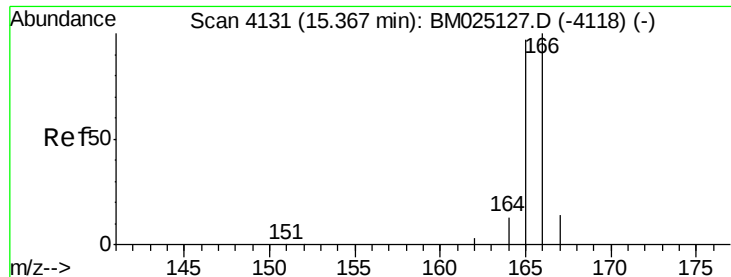
1000

0

Time-->

14.30 14.40 14.50





#9

Fluorene

Concen: 0.294 ng/ul

RT: 15.37 min Scan# 4131

Delta R.T. -0.02 min

Lab File: BM025130.D

Acq: 28 Feb 2020 11:53

Instrument :

BNA_M

ClientSampleId :

DBDJ0

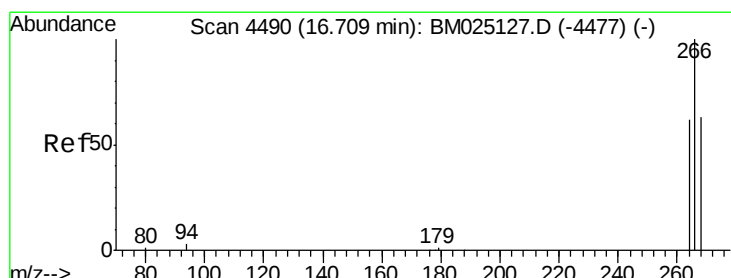
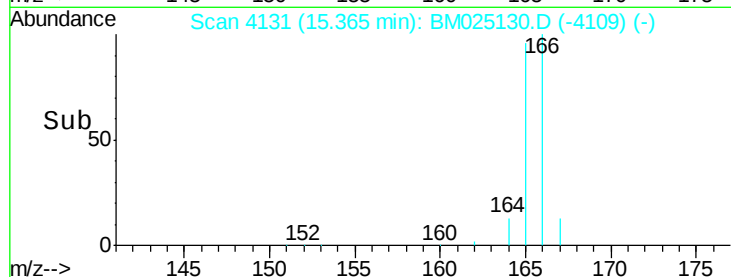
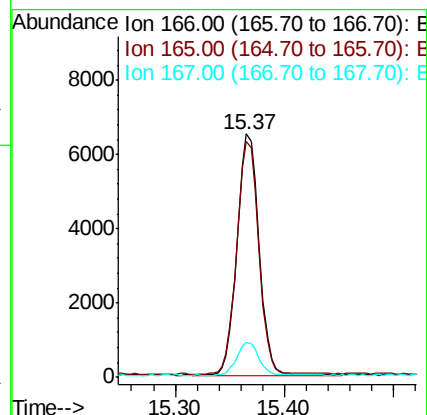
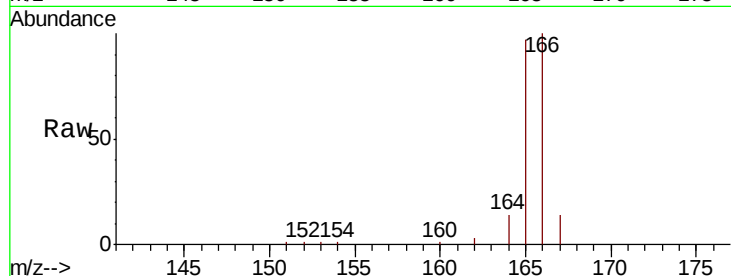
Tot Ion:166 Resp: 9049

Ion Ratio Lower Upper

166 100

165 96.7 80.0 120.0

167 14.2 13.7 20.5



#11

Pentachlorophenol

Concen: 0.054 ng/ul

RT: 16.71 min Scan# 4492

Delta R.T. -0.01 min

Lab File: BM025130.D

Acq: 28 Feb 2020 11:53

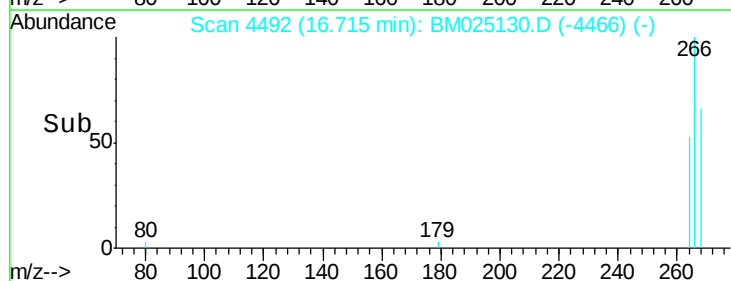
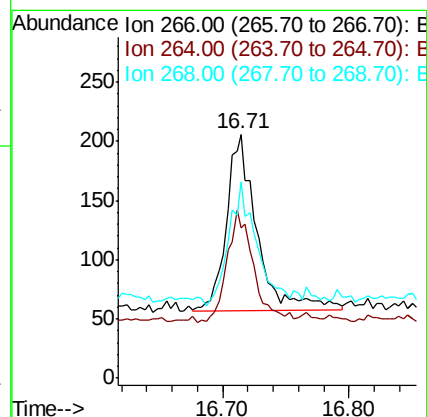
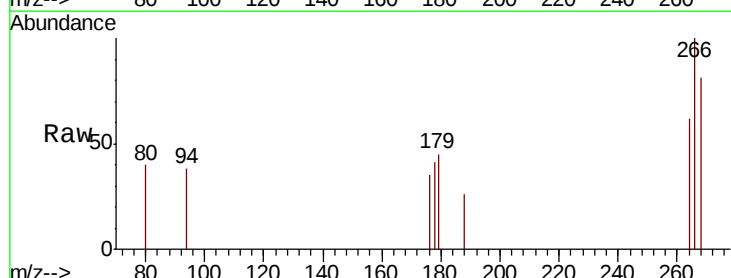
Tgt Ion:266 Resp: 247

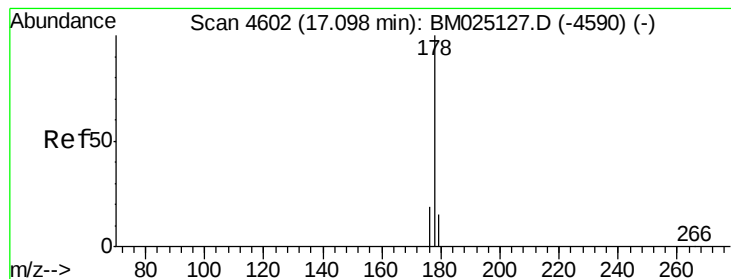
Ion Ratio Lower Upper

266 100

264 54.7 49.8 74.6

268 65.2 49.0 73.4





#12

Phenanthrene

Concen: 0.572 ng/ul

RT: 17.10 min Scan# 4603

Delta R.T. -0.01 min

Lab File: BM025130.D

Acq: 28 Feb 2020 11:53

Instrument :

BNA_M

ClientSampleId :

DBDJ0

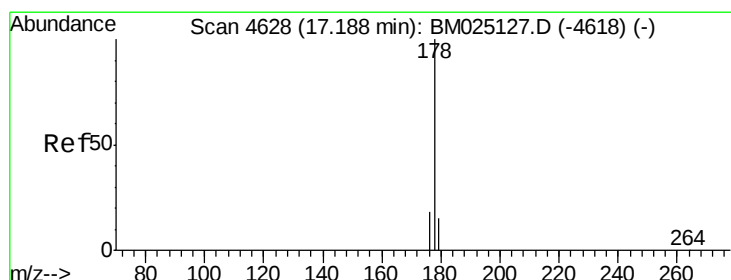
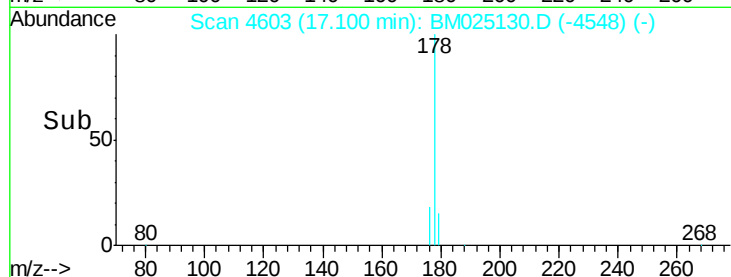
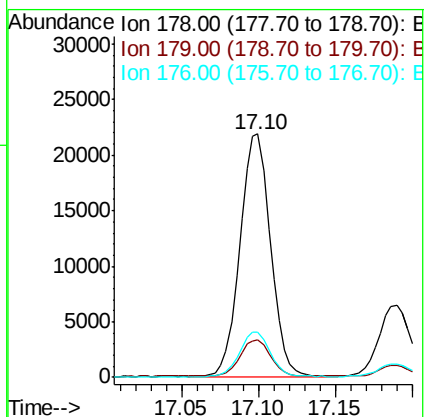
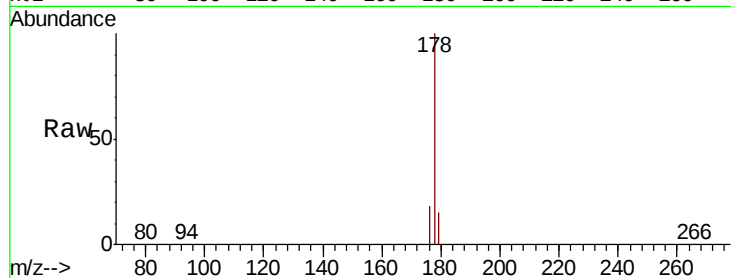
Tot Ion:178 Resp: 30001

Ion Ratio Lower Upper

178 100

179 15.3 14.0 21.0

176 18.5 16.6 24.8



#13

Anthracene

Concen: 0.180 ng/ul

RT: 17.19 min Scan# 4629

Delta R.T. -0.01 min

Lab File: BM025130.D

Acq: 28 Feb 2020 11:53

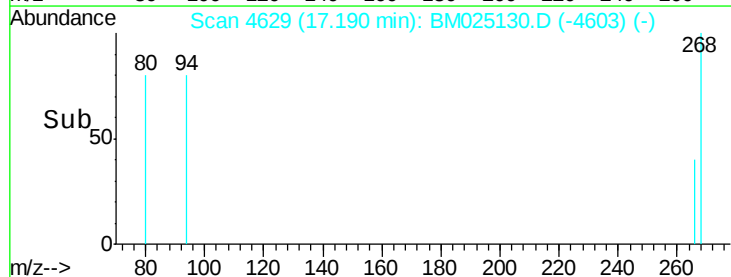
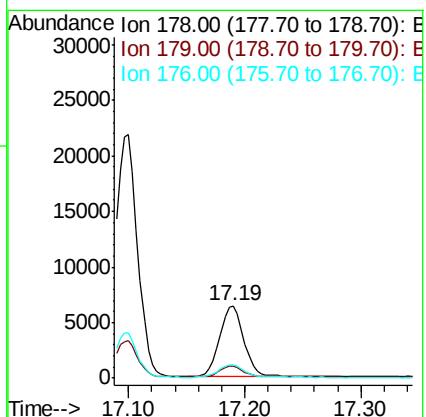
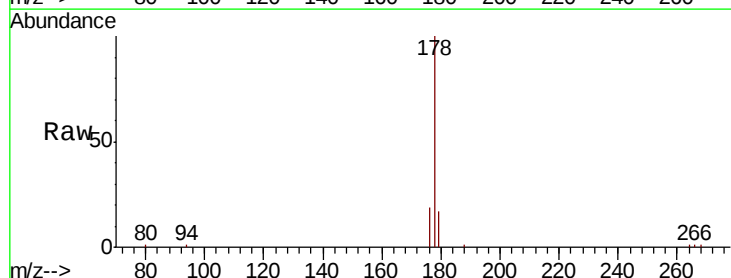
Tgt Ion:178 Resp: 9157

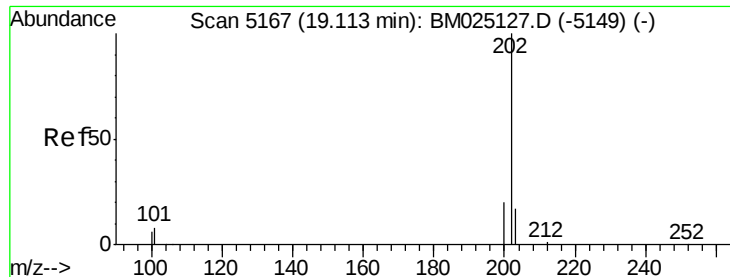
Ion Ratio Lower Upper

178 100

179 16.8 14.1 21.1

176 18.7 16.2 24.4





#15

Fluoranthene

Concen: 0.289 ng/ul

RT: 19.12 min Scan# 5168

Delta R.T. -0.01 min

Lab File: BM025130.D

Acq: 28 Feb 2020 11:53

Instrument :

BNA_M

ClientSampleId :

DBDJ0

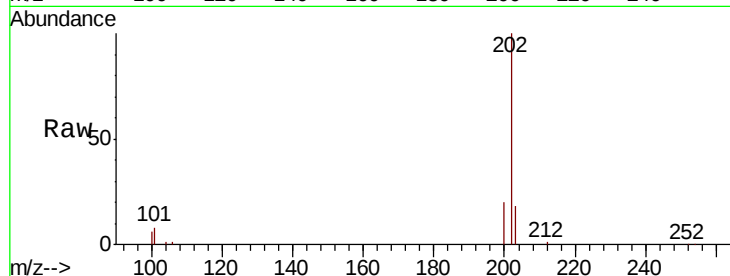
Tot Ion:202 Resp: 21983

Ion Ratio Lower Upper

202 100

101 8.0 0.0 29.4

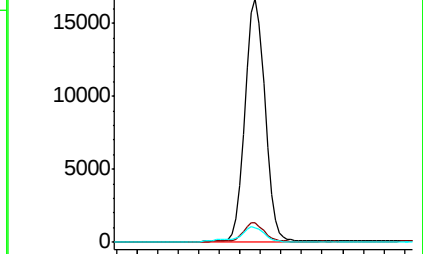
100 6.0 0.0 28.0



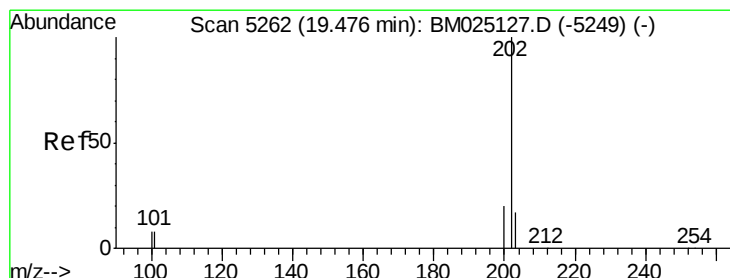
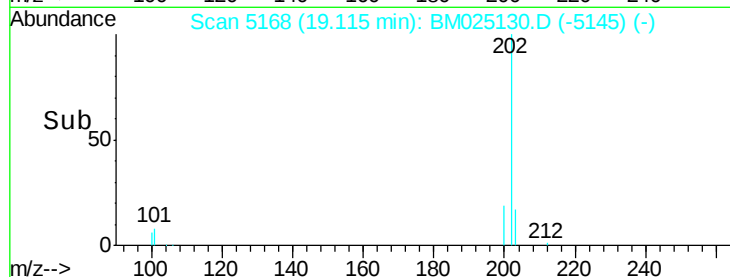
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.00 19.10 19.20



#17

Pyrene

Concen: 0.343 ng/ul

RT: 19.48 min Scan# 5263

Delta R.T. -0.01 min

Lab File: BM025130.D

Acq: 28 Feb 2020 11:53

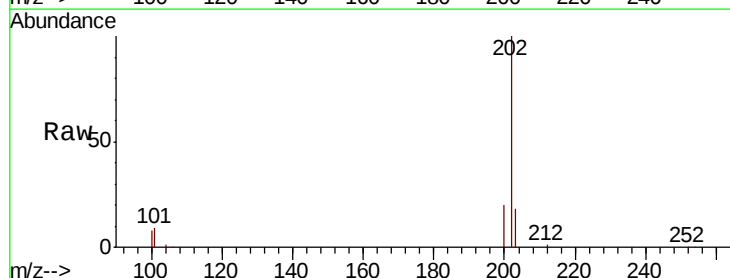
Tgt Ion:202 Resp: 24464

Ion Ratio Lower Upper

202 100

101 9.2 8.7 13.1

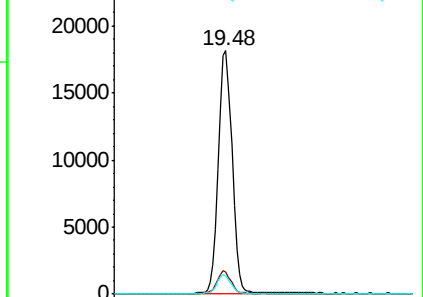
100 7.6 7.3 10.9



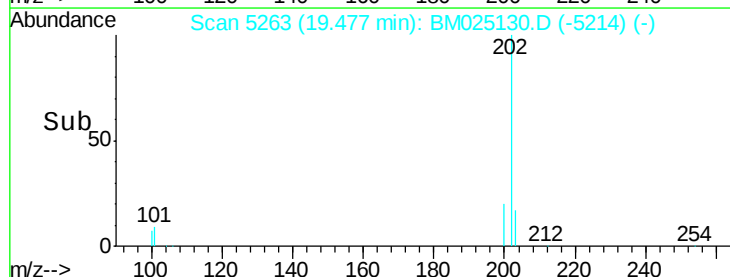
Abundance Ion 202.00 (201.70 to 202.70): E

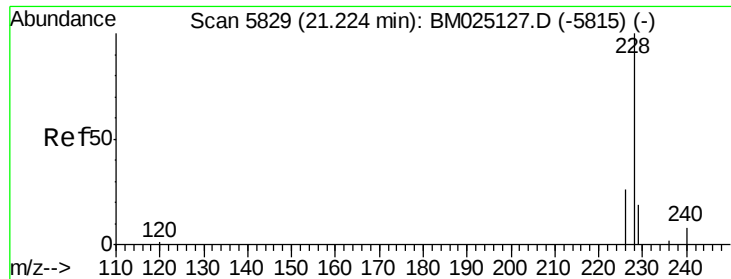
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.40 19.50 19.60 19.70





#18

Benzo(a)anthracene

Concen: 0.590 ng/ul

RT: 21.23 min Scan# 5831

Delta R.T. -0.01 min

Lab File: BM025130.D

Acq: 28 Feb 2020 11:53

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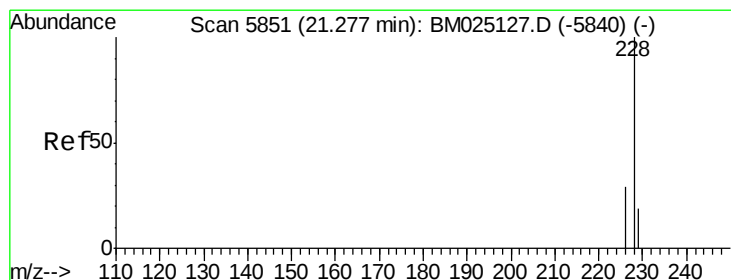
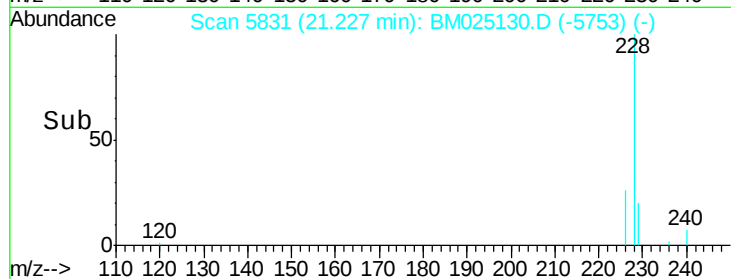
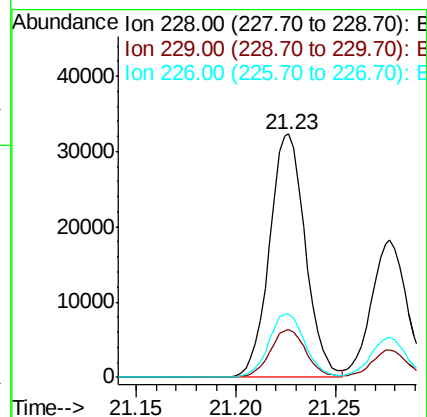
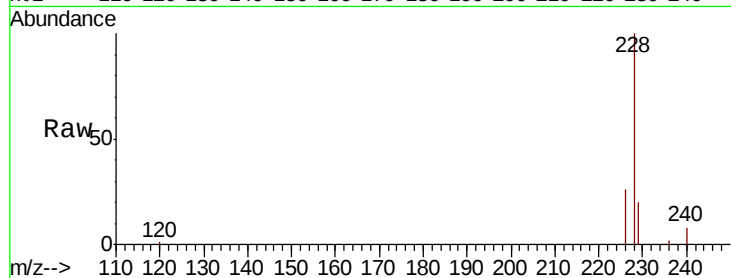
Tot Ion:228 Resp: 40283

Ion Ratio Lower Upper

228 100

229 19.8 16.6 25.0

226 25.9 21.9 32.9



#19

Chrysene

Concen: 0.335 ng/ul

RT: 21.28 min Scan# 5852

Delta R.T. -0.01 min

Lab File: BM025130.D

Acq: 28 Feb 2020 11:53

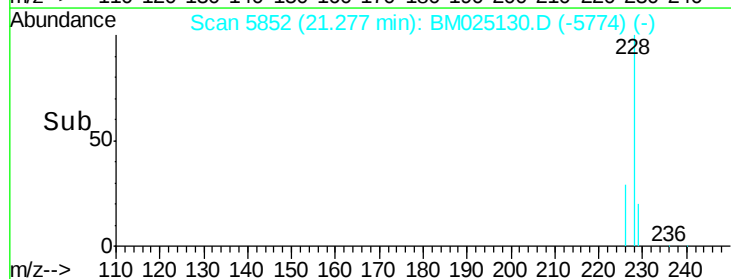
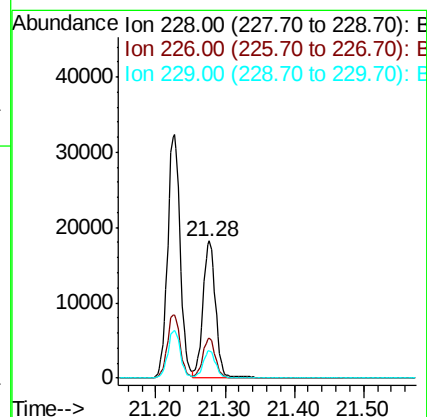
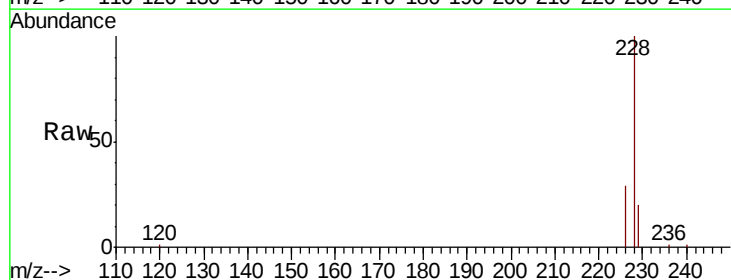
Tgt Ion:228 Resp: 22796

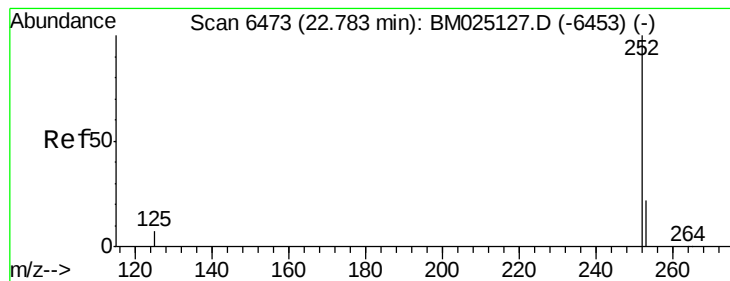
Ion Ratio Lower Upper

228 100

226 29.4 23.8 35.8

229 19.9 16.9 25.3





#21

Benzo(b)fluoranthene

Concen: 0.304 ng/ul

RT: 22.78 min Scan# 6474

Delta R.T. -0.02 min

Lab File: BM025130.D

Acq: 28 Feb 2020 11:53

Instrument :

BNA_M

ClientSampleId :

DBDJ0

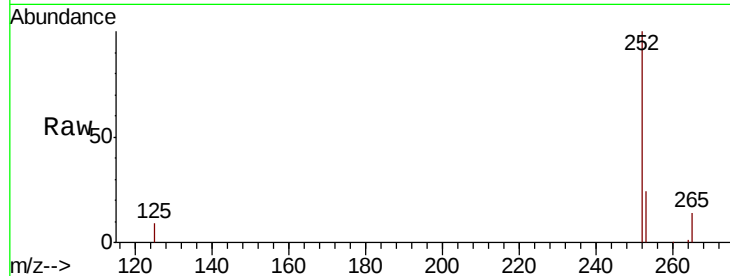
Tot Ion:252 Resp: 20606

Ion Ratio Lower Upper

252 100

253 23.8 0.0 49.8

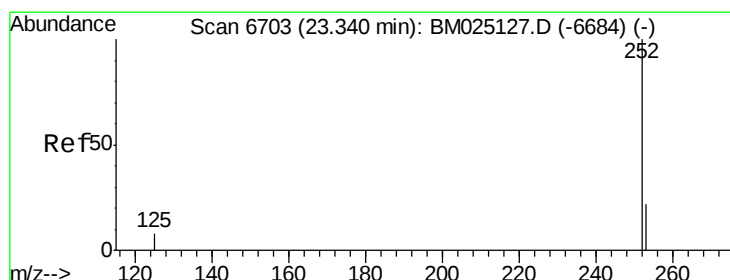
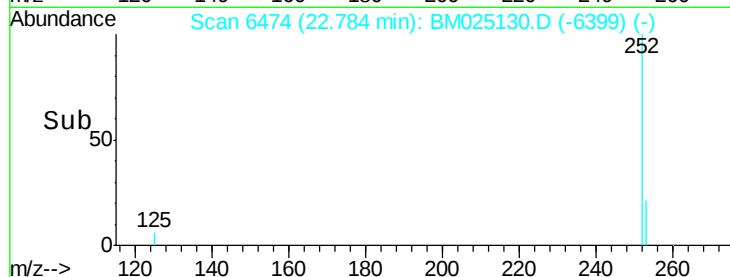
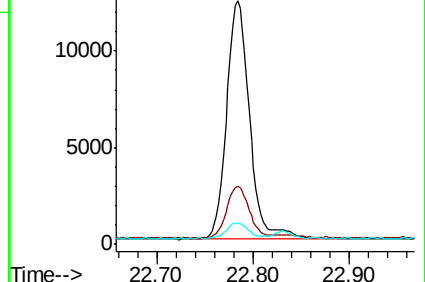
125 8.8 0.0 28.6



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



#23

Benzo(a)pyrene

Concen: 0.436 ng/ul

RT: 23.34 min Scan# 6705

Delta R.T. -0.02 min

Lab File: BM025130.D

Acq: 28 Feb 2020 11:53

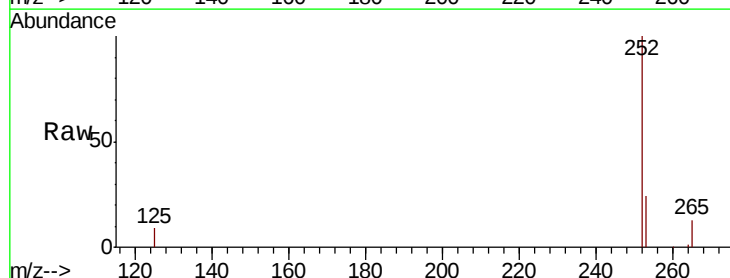
Tgt Ion:252 Resp: 26993

Ion Ratio Lower Upper

252 100

253 23.6 20.3 30.5

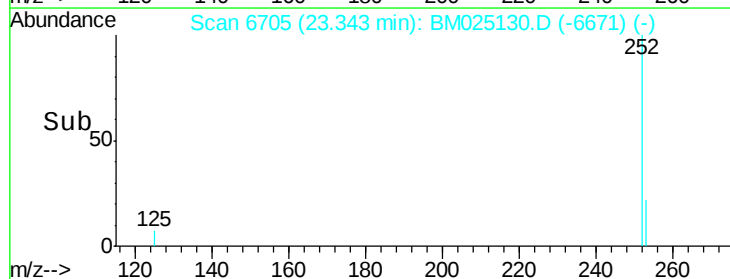
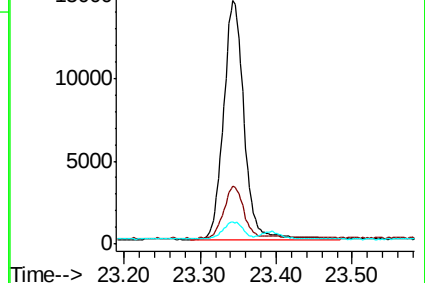
125 9.0 13.0 19.4#

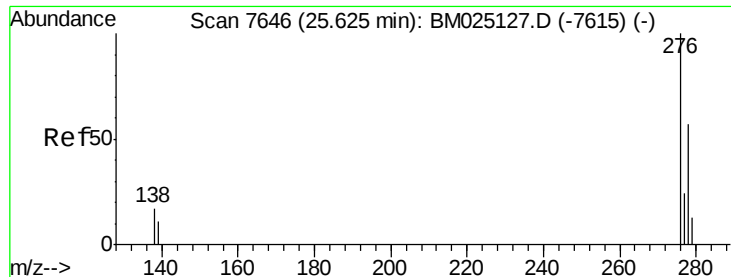


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

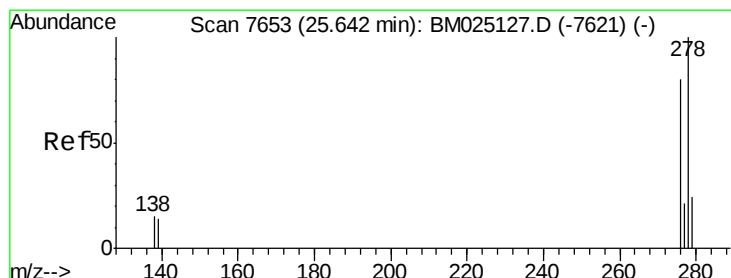
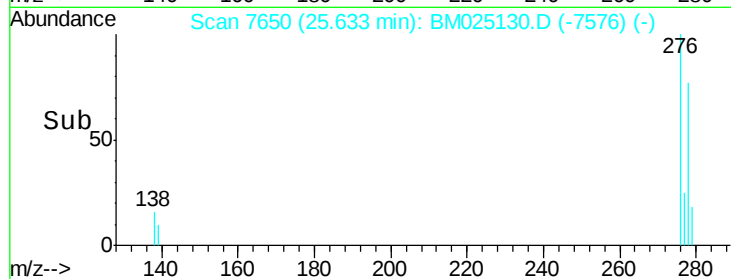
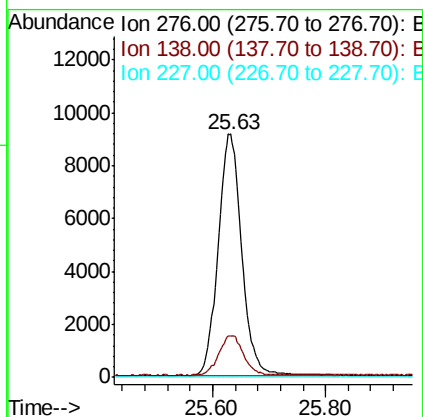
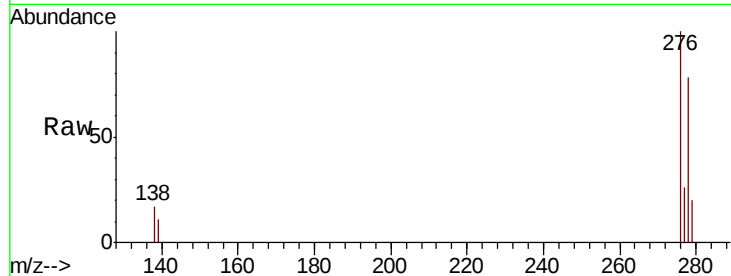




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.343 ng/ul
 RT: 25.63 min Scan# 7650
 Delta R.T. -0.02 min
 Lab File: BM025130.D
 Acq: 28 Feb 2020 11:53

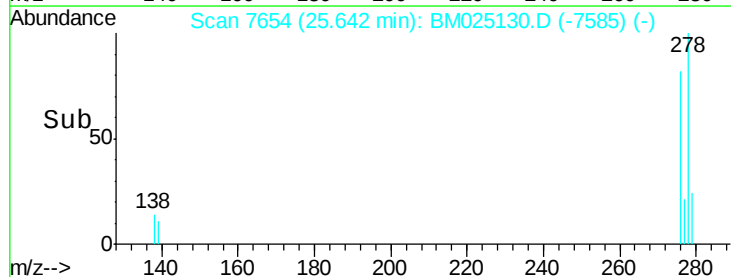
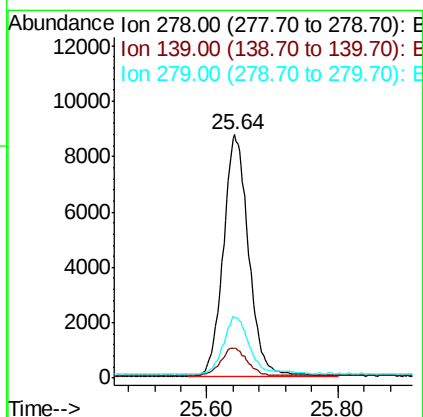
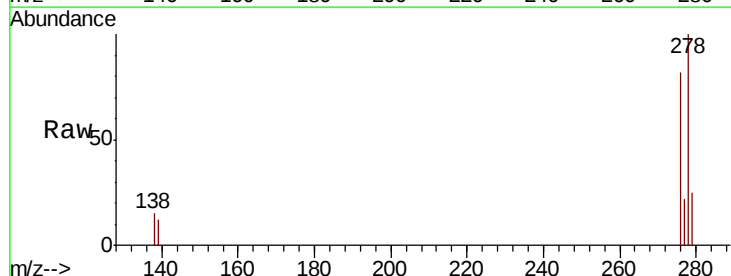
Instrument :
 BNA_M
 ClientSampleId :
 DBDJ0

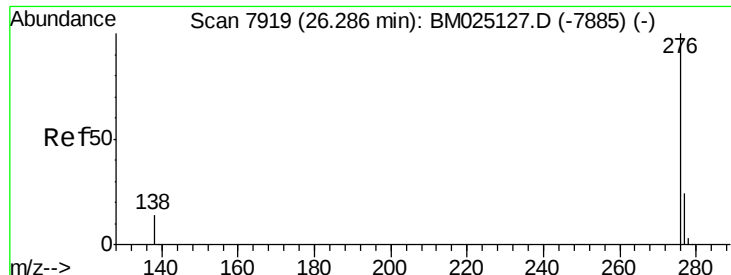
Tot Ion:276 Resp: 26655
 Ion Ratio Lower Upper
 276 100
 138 16.9 16.0 24.0
 227 0.0 0.0 0.0



#25
 Dibenzo(a,h)anthracene
 Concen: 0.361 ng/ul
 RT: 25.64 min Scan# 7654
 Delta R.T. -0.03 min
 Lab File: BM025130.D
 Acq: 28 Feb 2020 11:53

Tgt Ion:278 Resp: 23559
 Ion Ratio Lower Upper
 278 100
 139 12.4 13.2 19.8#
 279 25.0 21.0 31.4





#26

Benzo(a,h,i)perylene

Concen: 0.409 ng/ul

RT: 26.29 min Scan# 7921

Delta R.T. -0.03 min

Lab File: BM025130.D

Acq: 28 Feb 2020 11:53

Instrument :

BNA_M

ClientSampleId :

DBDJ0

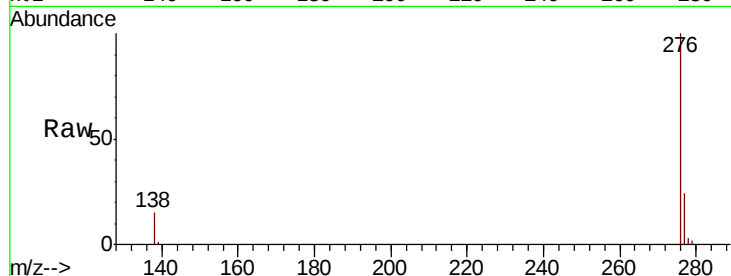
Tot Ion:276 Resp: 26738

Ion Ratio Lower Upper

276 100

138 15.1 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

