

Data File : BM025235.D
Acq On : 04 Mar 2020 05:40
Operator : CG/JU
Sample : L1516-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBD21

Quant Time: Mar 04 08:03:52 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM030320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 04 08:02:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3917	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	16082	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	11776	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	28626	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	28925	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	27801	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.04	152	6154	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	19404	0.21	ng/ul	0.00

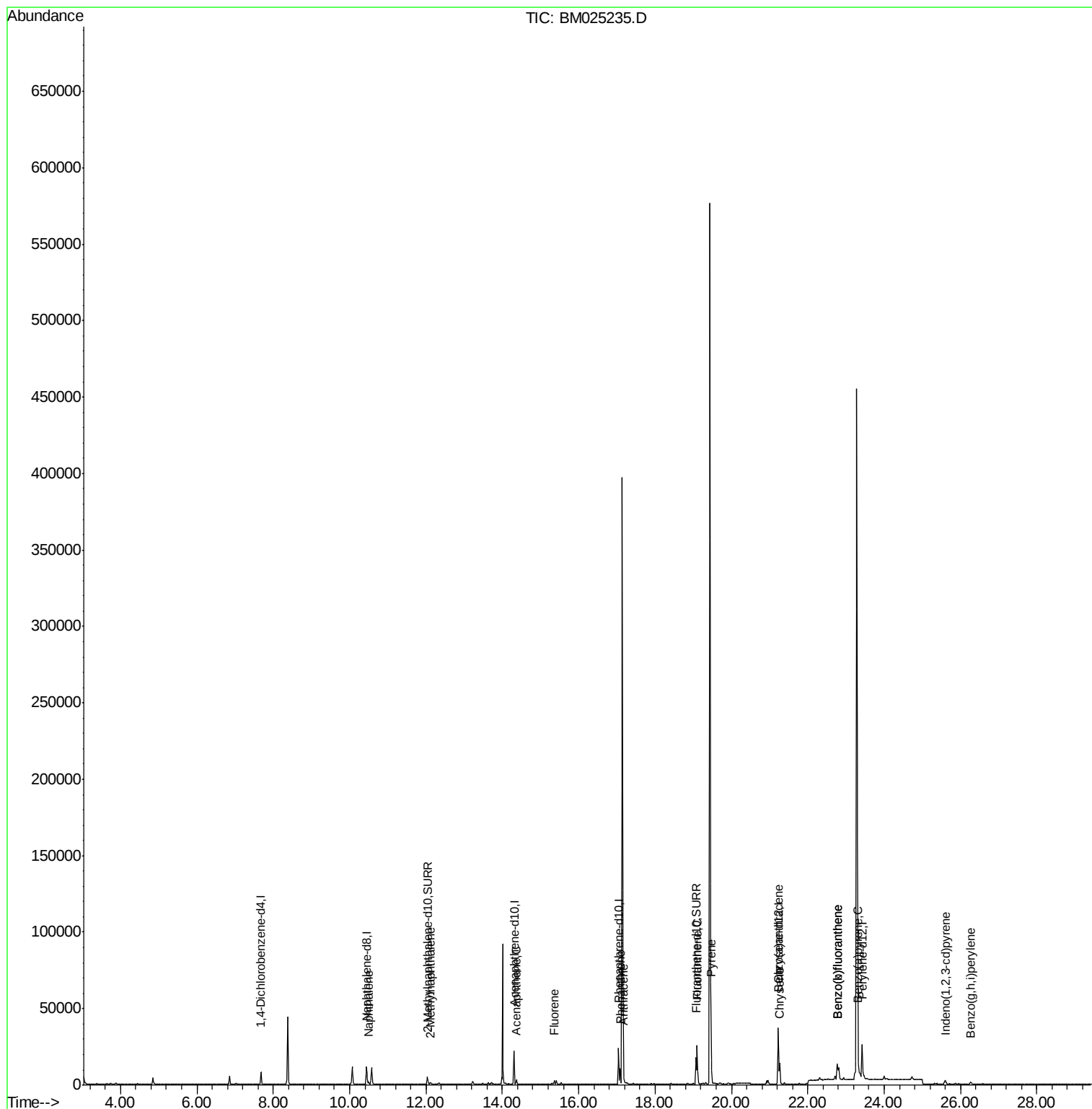
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.49	128	1899	0.039	ng/ul#	90
5) 2-Methylnaphthalene	12.11	142	833	0.024	ng/ul	97
8) Acenaphthene	14.37	153	1758	0.041	ng/ul	98
9) Fluorene	15.36	166	1673	0.031	ng/ul	96
12) Phenanthrene	17.09	178	10477	0.113	ng/ul	98
13) Anthracene	17.18	178	2498	0.030	ng/ul	96
15) Fluoranthene	19.11	202	22299	0.193	ng/ul	94
17) Pyrene	19.47	202	24314	0.222	ng/ul#	94
18) Benzo(a)anthracene	21.21	228	12927	0.122	ng/ul	99
19) Chrysene	21.27	228	15640	0.134	ng/ul	100
21) Benzo(b)fluoranthene	22.77	252	24817	0.223	ng/ul	95
22) Benzo(k)fluoranthene	22.77	252	24817	0.213	ng/ul#	95
23) Benzo(a)pyrene	23.33	252	6518	0.070	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.60	276	3916	0.034	ng/ul#	100
26) Benzo(g,h,i)perylene	26.27	276	2688	0.027	ng/ul	94

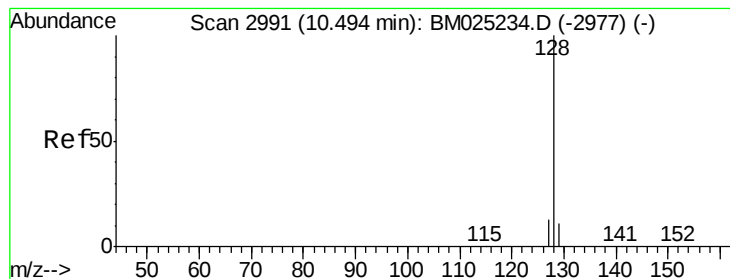
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.039 ng/u1

RT: 10.49 min Scan# 2991

Delta R.T. -0.00 min

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Acq: 04 Mar 2020 05:40

Instrument :

BNA_M

ClientSampleId :

DBD21

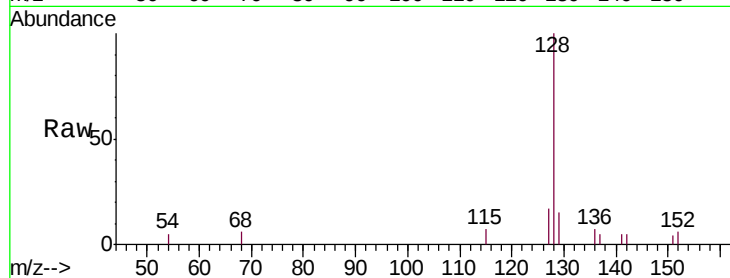
Tgt Ion:128 Resp: 1899

Ion Ratio Lower Upper

128 100

129 15.4 17.0 25.6#

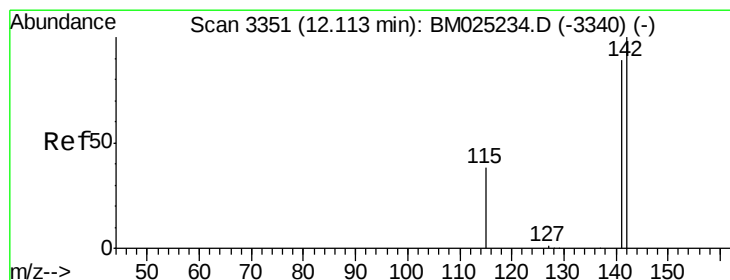
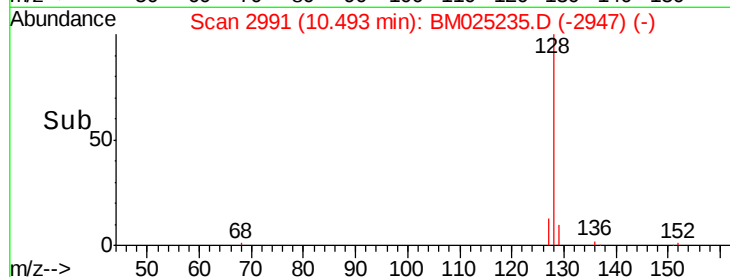
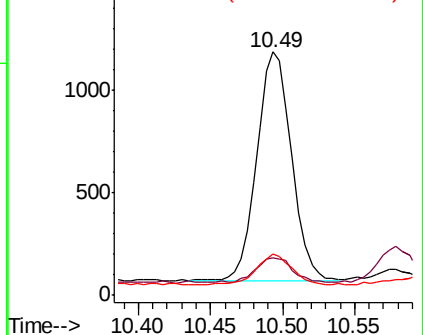
127 16.8 15.7 23.5



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: 0.024 ng/u1

RT: 12.11 min Scan# 3351

Delta R.T. -0.00 min

Lab File: BM025235.D

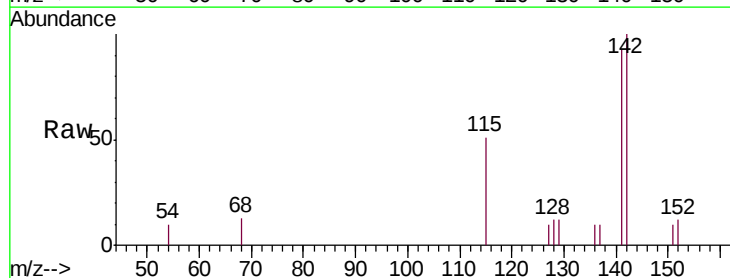
Acq: 04 Mar 2020 05:40

Tgt Ion:142 Resp: 833

Ion Ratio Lower Upper

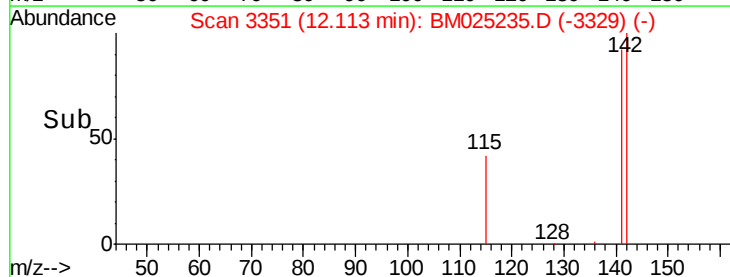
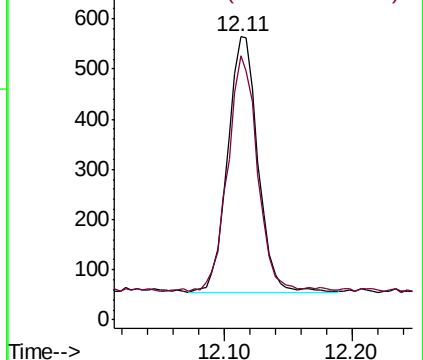
142 100

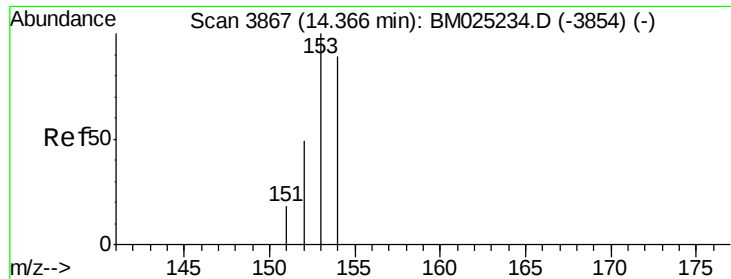
141 90.4 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 0.041 ng/ul

RT: 14.37 min Scan# 3867

Delta R.T. -0.00 min

Lab File: BM025235.D

Acq: 04 Mar 2020 05:40

Instrument :

BNA_M

ClientSampleId :

DBD21

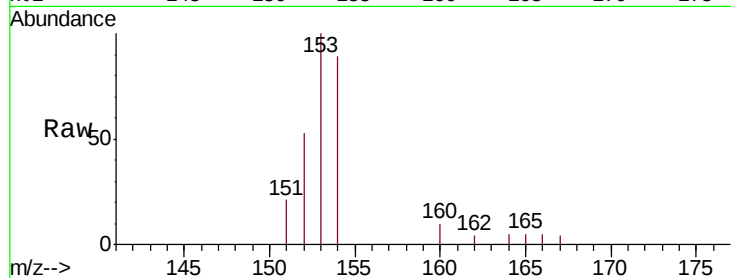
Tgt Ion:153 Resp: 1758

Ion Ratio Lower Upper

153 100

152 53.3 40.0 60.0

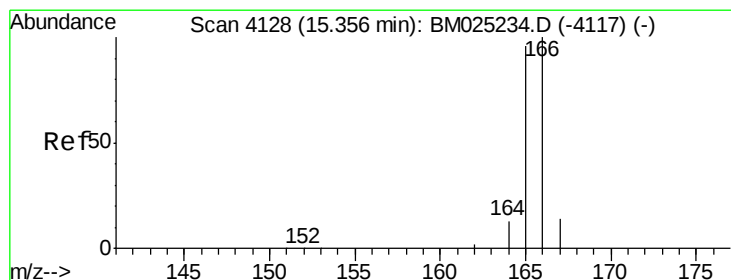
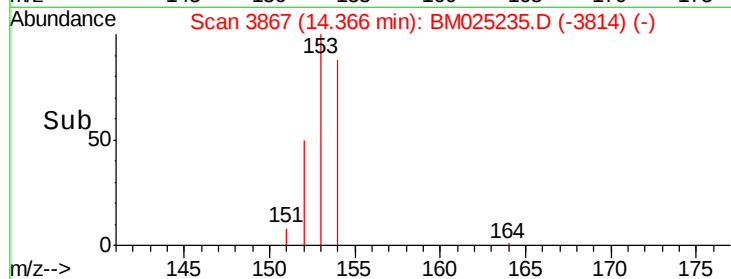
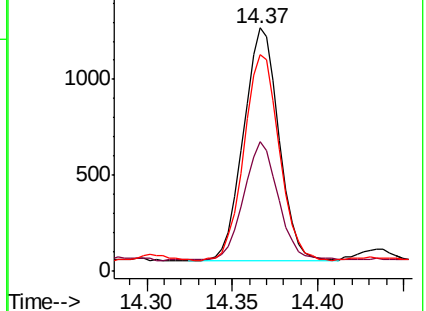
154 89.2 71.0 106.6



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: 0.031 ng/ul

RT: 15.36 min Scan# 4128

Delta R.T. -0.00 min

Lab File: BM025235.D

Acq: 04 Mar 2020 05:40

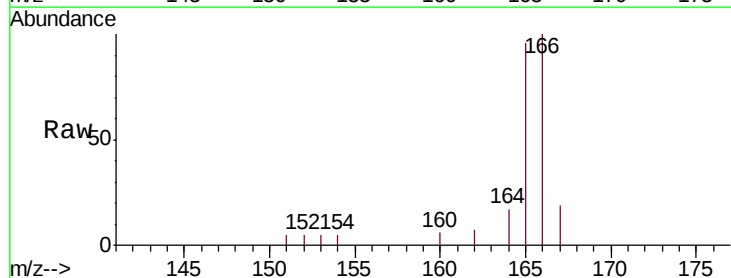
Tgt Ion:166 Resp: 1673

Ion Ratio Lower Upper

166 100

165 96.4 80.0 120.0

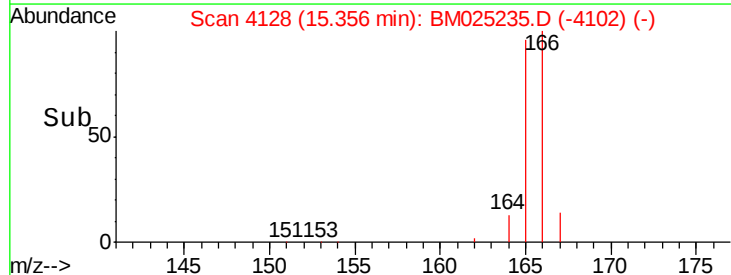
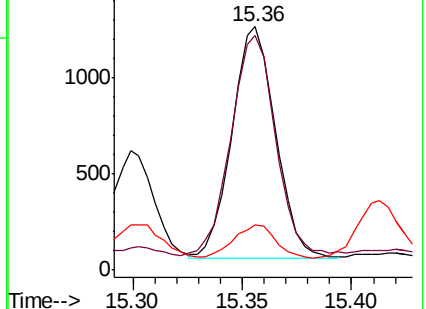
167 18.7 13.7 20.5

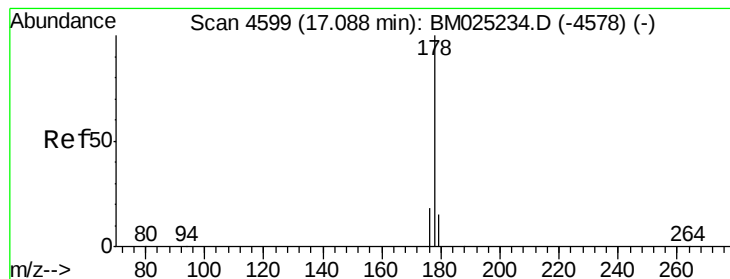


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.113 ng/ul

RT: 17.09 min Scan# 4599

Delta R.T. -0.00 min

Lab File: BM025235.D

Acq: 04 Mar 2020 05:40

Instrument :

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ClientSampleId :

DBD21

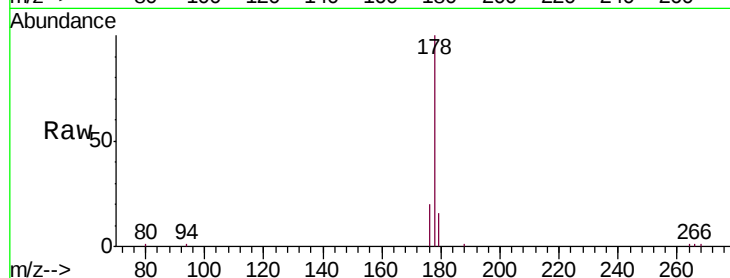
Tgt Ion:178 Resp: 10477

Ion Ratio Lower Upper

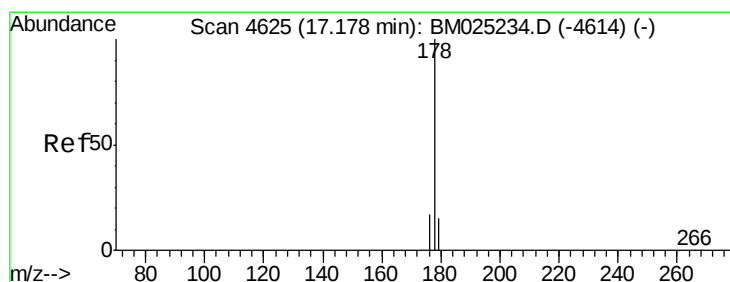
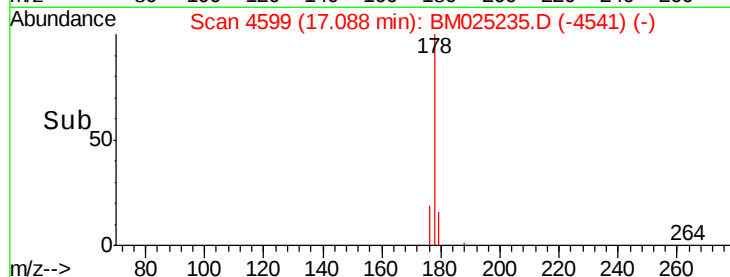
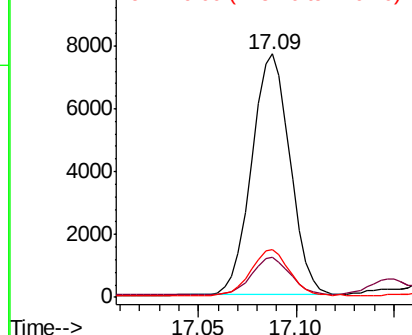
178 100

179 16.4 14.0 21.0

176 19.6 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: 0.030 ng/ul

RT: 17.18 min Scan# 4625

Delta R.T. -0.00 min

Lab File: BM025235.D

Acq: 04 Mar 2020 05:40

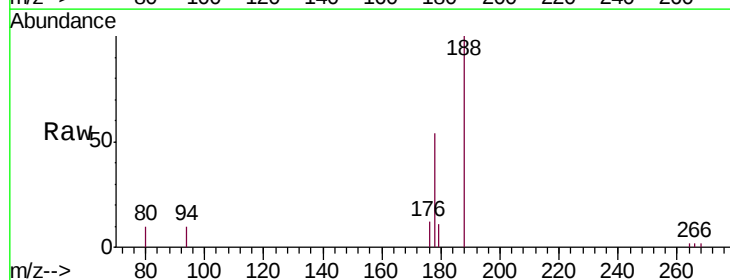
Tgt Ion:178 Resp: 2498

Ion Ratio Lower Upper

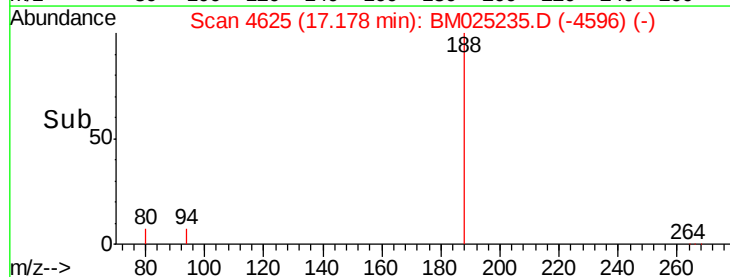
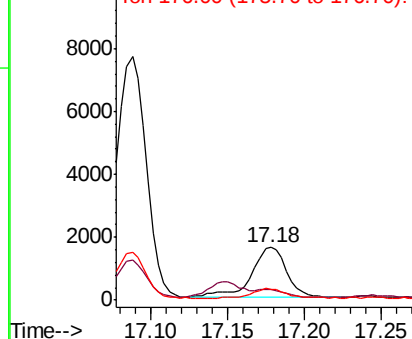
178 100

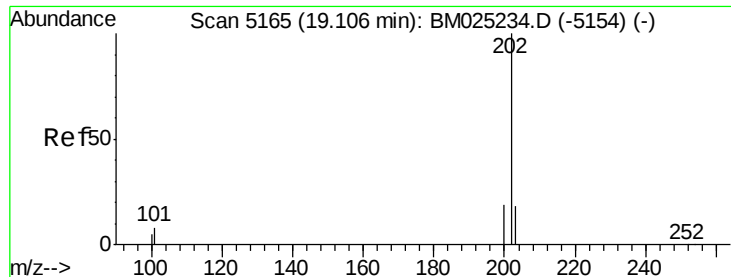
179 20.0 14.1 21.1

176 21.3 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

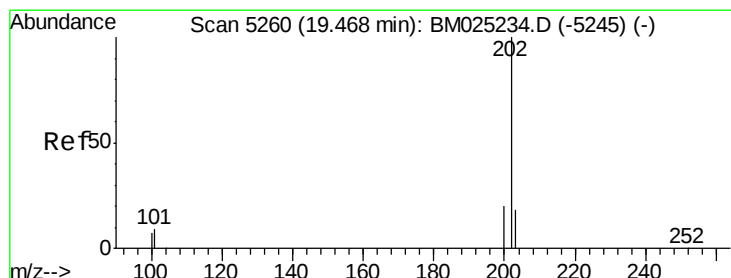
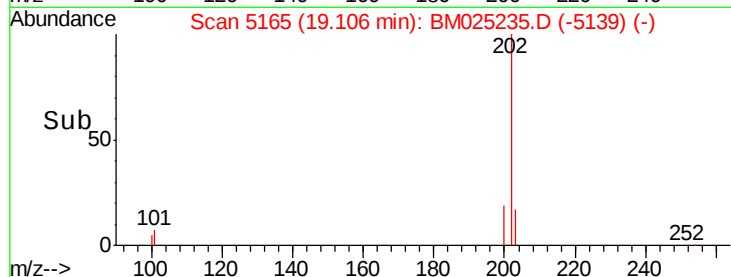
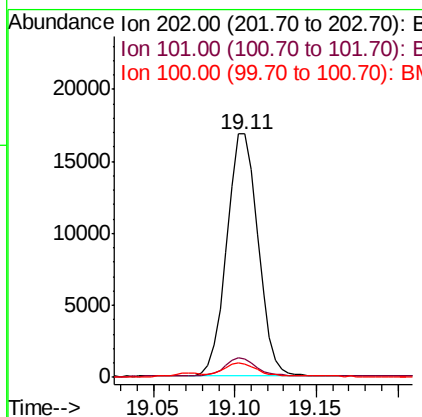
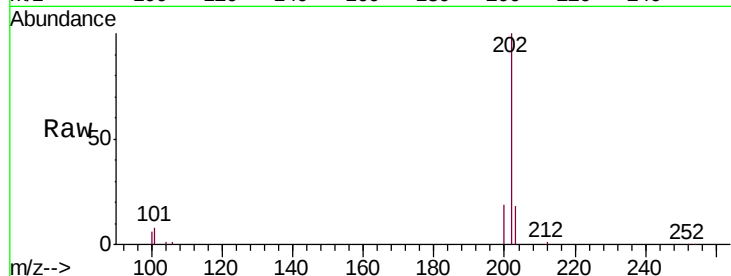




#15
Fluoranthene
Concen: 0.193 ng/ul
RT: 19.11 min Scan# 5165
Delta R.T. 0.00 min
Lab File: BM025235.D
Acq: 04 Mar 2020 05:40

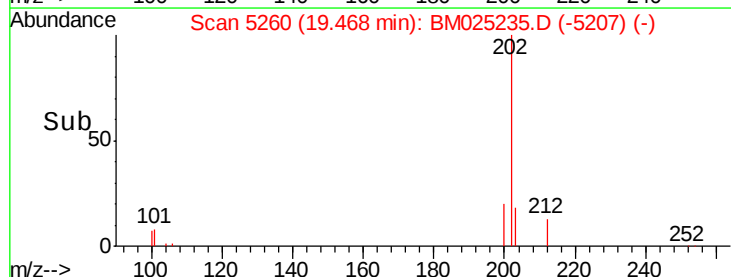
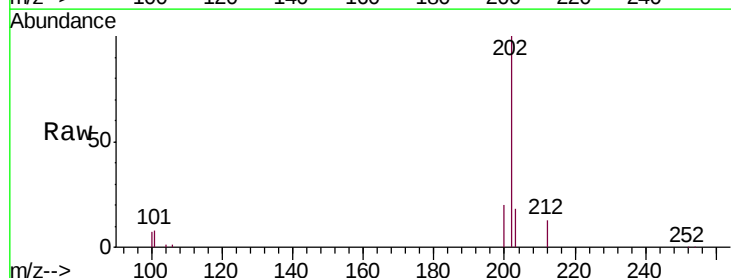
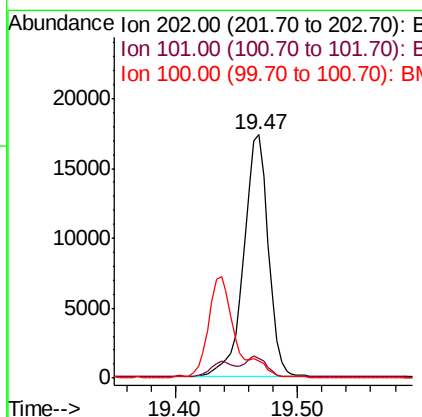
Instrument :
BNA_M
ClientSampleId :
DBD21

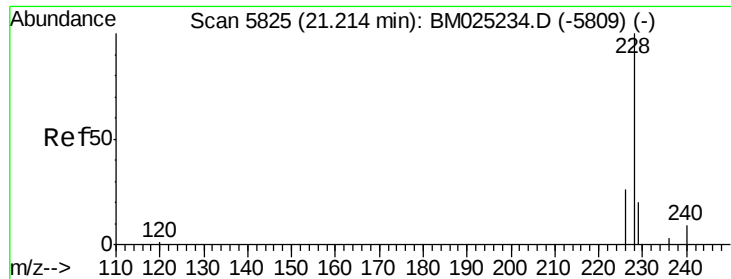
Tgt Ion:202 Resp: 22299
Ion Ratio Lower Upper
202 100
101 7.6 0.0 29.4
100 5.6 0.0 28.0



#17
Pyrene
Concen: 0.222 ng/ul
RT: 19.47 min Scan# 5260
Delta R.T. 0.00 min
Lab File: BM025235.D
Acq: 04 Mar 2020 05:40

Tgt Ion:202 Resp: 24314
Ion Ratio Lower Upper
202 100
101 8.2 8.7 13.1#
100 7.1 7.3 10.9#





#18

Benzo(a)anthracene

Concen: 0.122 ng/ul

RT: 21.21 min Scan# 5825

Delta R.T. 0.00 min

Lab File: BM025235.D

Acq: 04 Mar 2020 05:40

Instrument :

BNA_M

ClientSampleId :

DBD21

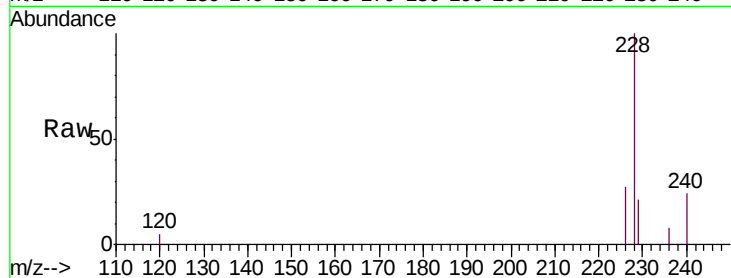
Tgt Ion:228 Resp: 12927

Ion Ratio Lower Upper

228 100

229 20.6 16.6 25.0

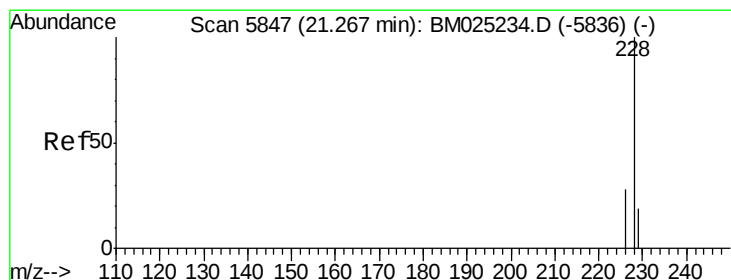
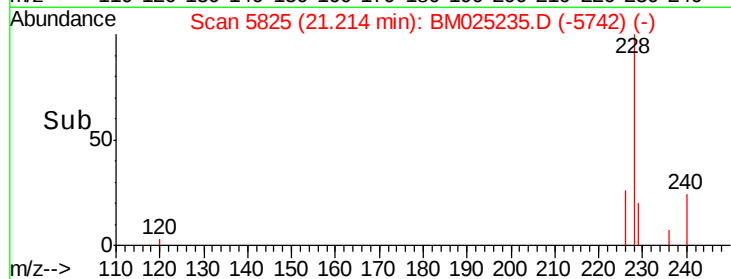
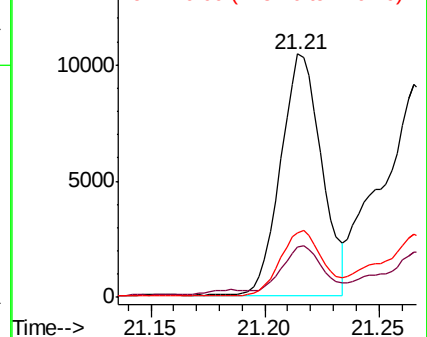
226 26.6 21.9 32.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 0.134 ng/ul

RT: 21.27 min Scan# 5846

Delta R.T. -0.00 min

Lab File: BM025235.D

Acq: 04 Mar 2020 05:40

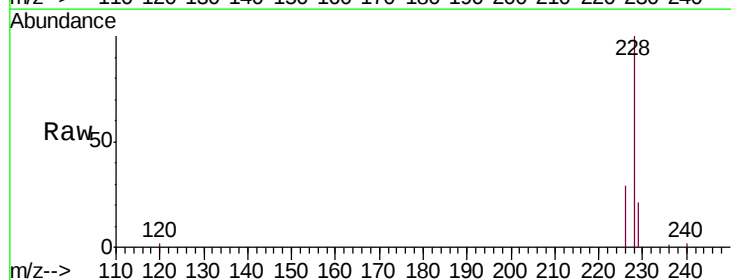
Tgt Ion:228 Resp: 15640

Ion Ratio Lower Upper

228 100

226 29.5 23.8 35.8

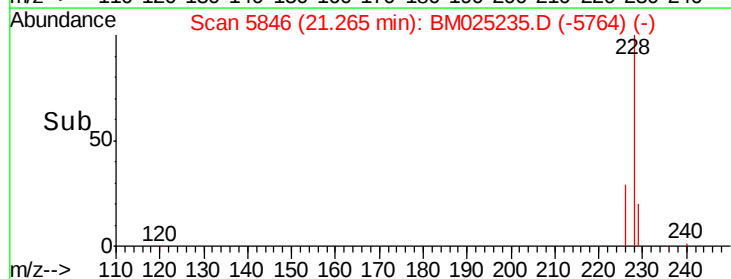
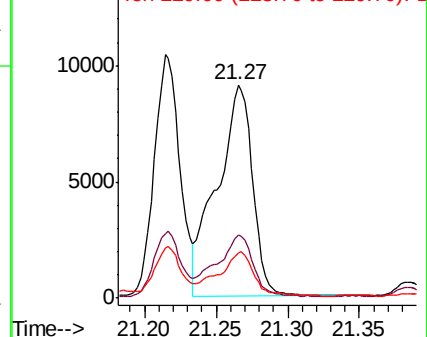
229 20.9 16.9 25.3

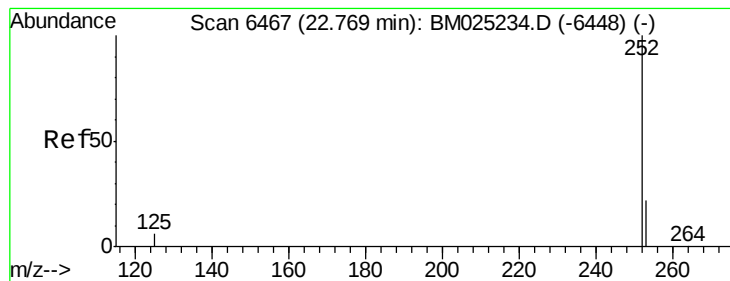


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.223 ng/ul

RT: 22.77 min Scan# 6468

Delta R.T. 0.00 min

Lab File: BM025235.D

Acq: 04 Mar 2020 05:40

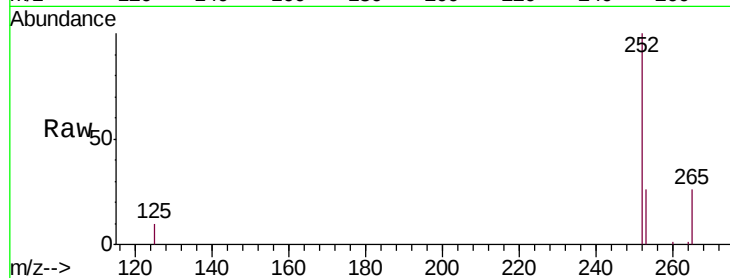
Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:	252	Resp:	24817
Ion	Ratio	Lower	Upper
252	100		
253	26.1	0.0	49.8
125	10.3	0.0	28.6

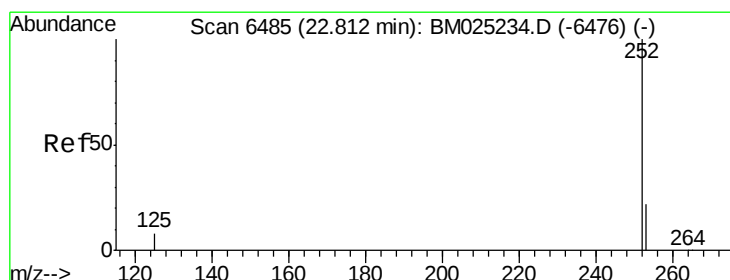
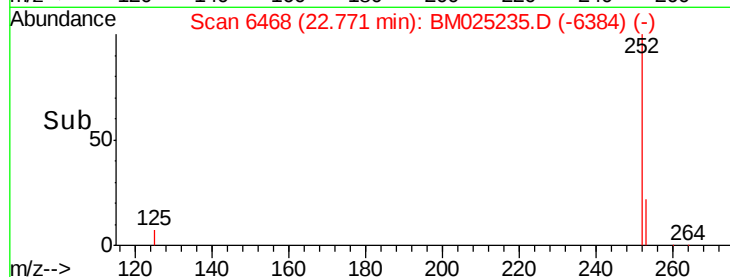
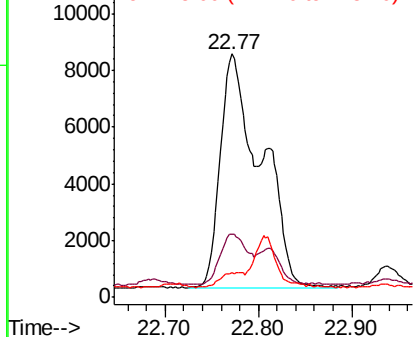


Abundance

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: 0.213 ng/ul

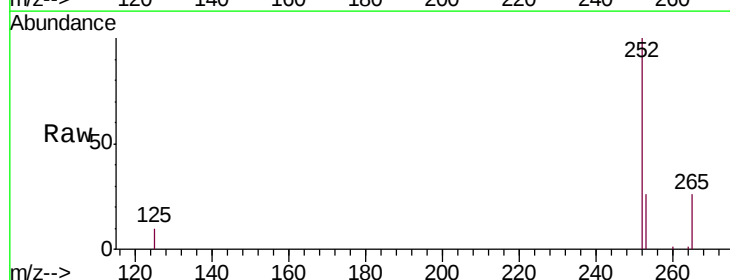
RT: 22.77 min Scan# 6468

Delta R.T. -0.04 min

Lab File: BM025235.D

Acq: 04 Mar 2020 05:40

Tgt Ion:	252	Resp:	24817
Ion	Ratio	Lower	Upper
252	100		
253	26.1	19.4	29.0
125	10.3	10.7	16.1#

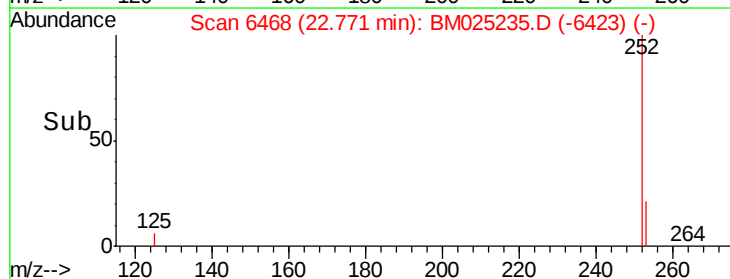
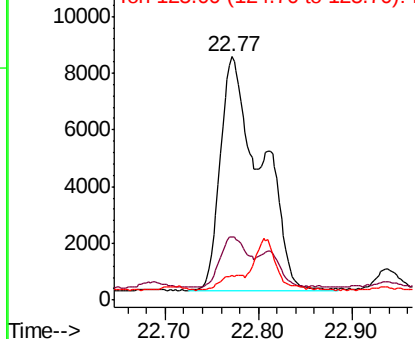


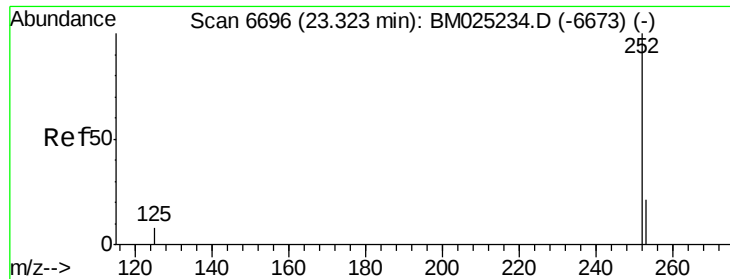
Abundance

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: 0.070 ng/u1

RT: 23.33 min Scan# 6697

Delta R.T. 0.00 min

Lab File: BM025235.D

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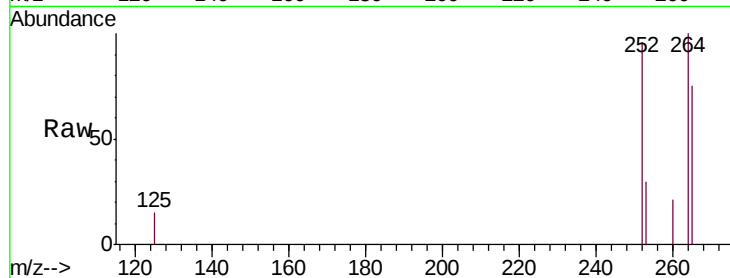
Tgt Ion:252 Resp: 6518

Ion Ratio Lower Upper

252 100

253 31.7 20.3 30.5#

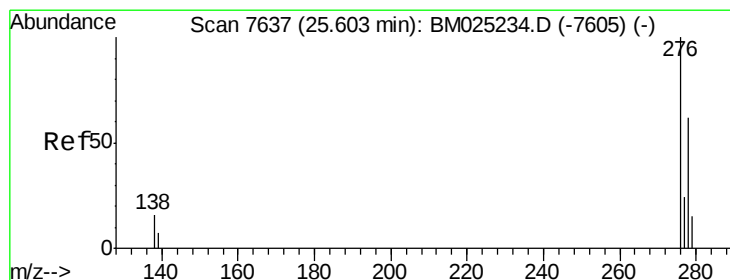
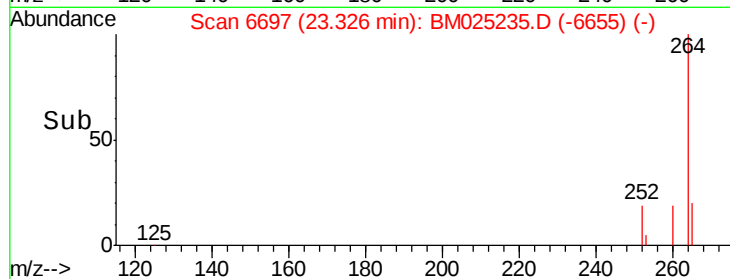
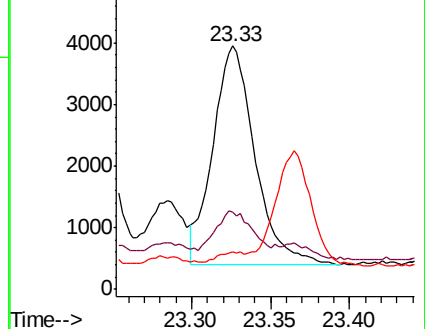
125 15.3 13.0 19.4



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: 0.034 ng/u1

RT: 25.60 min Scan# 7636

Delta R.T. -0.00 min

Lab File: BM025235.D

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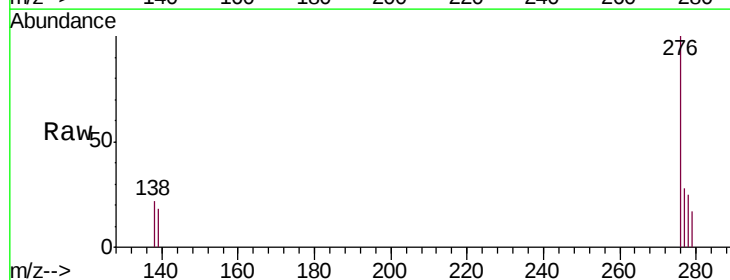
Tgt Ion:276 Resp: 3916

Ion Ratio Lower Upper

276 100

138 21.9 0.0 0.0#

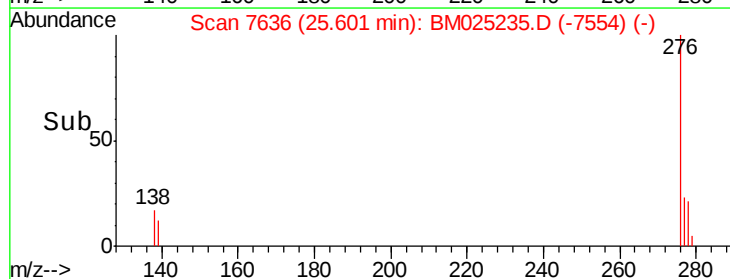
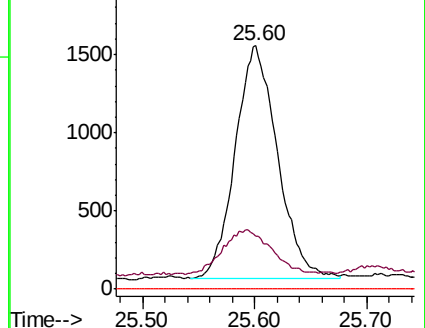
227 0.0 0.0 0.0

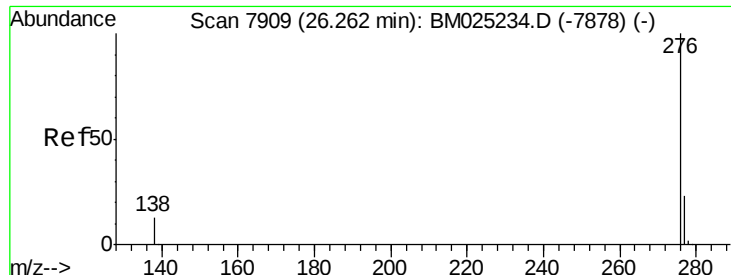


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#26

Benzo(g,h,i)perylene

Concen: 0.027 ng/ul

RT: 26.27 min Scan# 7911

Delta R.T. 0.01 min

Lab File: BM025235.D

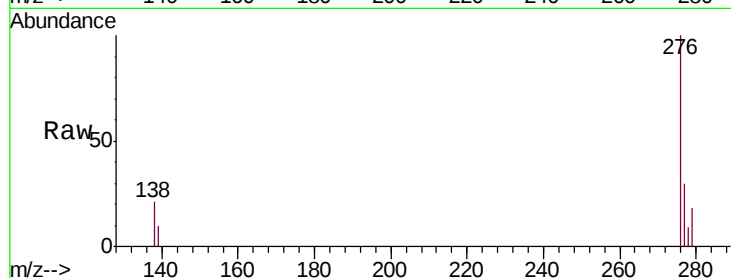
Acq: 04 Mar 2020 05:40

Instrument :

BNA_M

ClientSampleId :

DBD21



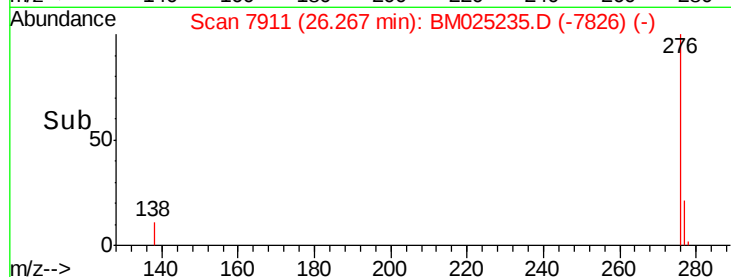
Tgt Ion: 276 Resp: 2688

Ion Ratio Lower Upper

276 100

138 21.4 17.9 26.9

277 30.1 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

