

Data File : BM025167.D
Acq On : 29 Feb 2020 14:30
Operator : CG/JU
Sample : L1507-14DL 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBD12DL

Quant Time: Mar 02 01:18:44 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 : Mon Mar 02 01:15:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	2845	0.40	ng/ul	0.00
2) Naphthalene-d8	10.45	136	11256	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	7480	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	17937	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	19911	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	23026	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	1182	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	2635	0.04	ng/ul	0.00

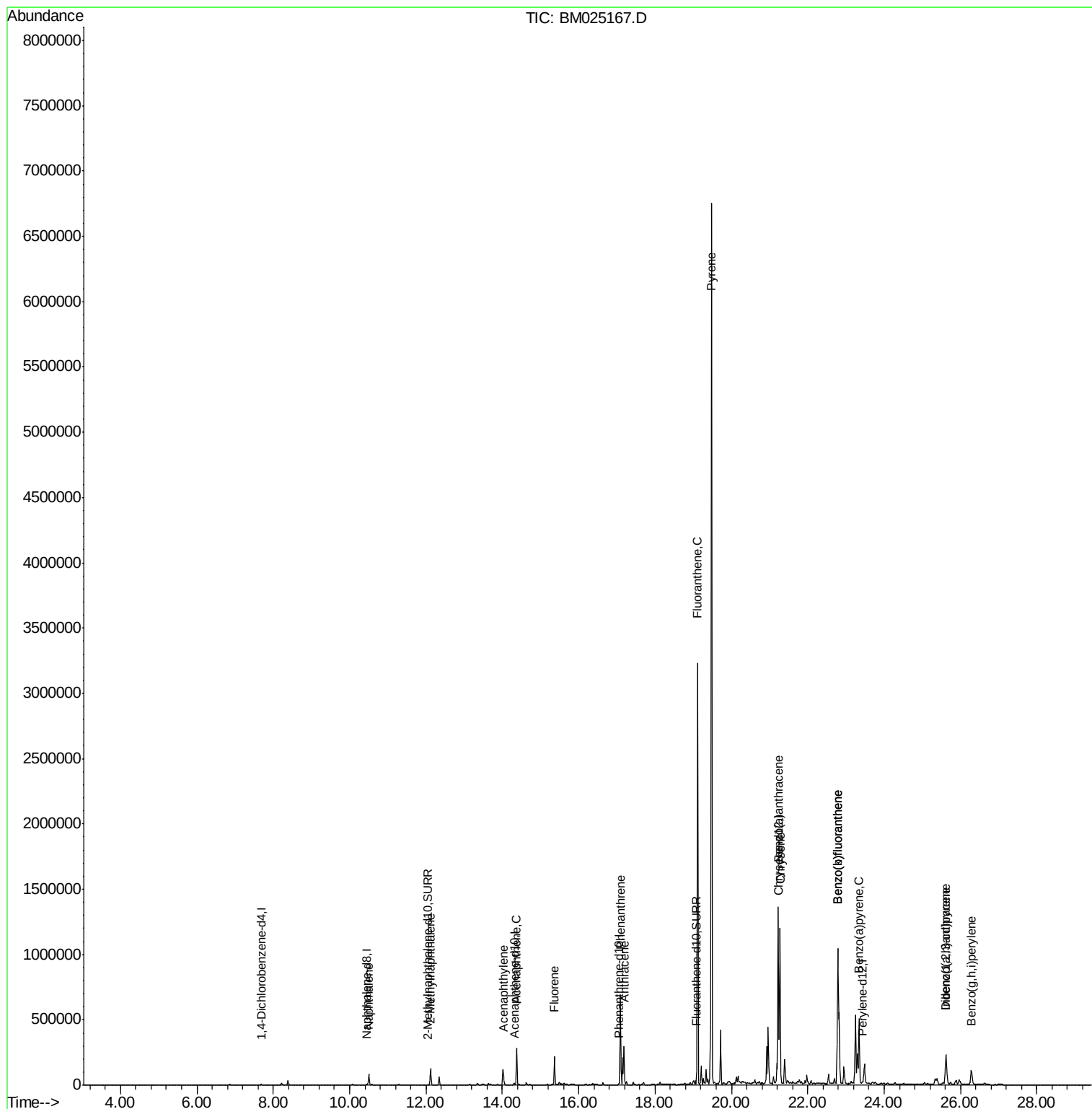
Target Compounds				Qvalue		
3) Naphthalene	10.50	128	112025	3.269	ng/ul#	82
5) 2-Methylnaphthalene	12.12	142	86990	3.518	ng/ul	99
7) Acenaphthylene	14.03	152	78387	1.818	ng/ul#	93
8) Acenaphthene	14.37	153	155634	5.371	ng/ul	98
9) Fluorene	15.36	166	133763	3.679	ng/ul#	95
12) Phenanthrene	17.09	178	705880	11.188	ng/ul	95
13) Anthracene	17.18	178	300591	4.916	ng/ul	95
15) Fluoranthene	19.11	202	2756925	30.083	ng/ul	96
17) Pyrene	19.48	202	5725372	63.815	ng/ul	97
18) Benzo(a)anthracene	21.22	228	1077115	12.530	ng/ul	98
19) Chrysene	21.27	228	1404012	16.397	ng/ul	98
21) Benzo(b)fluoranthene	22.79	252	2245867	24.882	ng/ul	91
22) Benzo(k)fluoranthene	22.79	252	2246154	25.119	ng/ul#	93
23) Benzo(a)pyrene	23.34	252	677891	8.226	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.62	276	350908	3.399	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.62	278	93189	1.074	ng/ul	96
26) Benzo(g,h,i)perylene	26.28	276	221610	2.547	ng/ul#	92

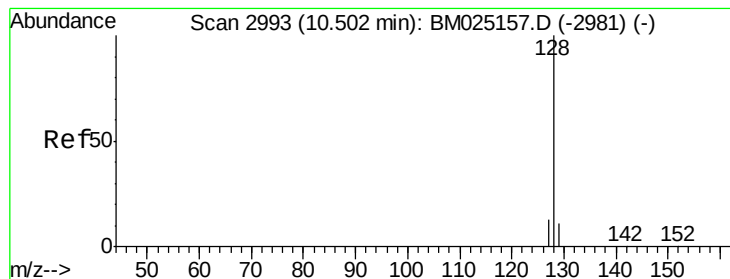
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 3.269 ng/ul

RT: 10.50 min Scan# 2993

Delta R.T. 0.00 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

Instrument :

BNA_M

ClientSampleId :

DBD12DL

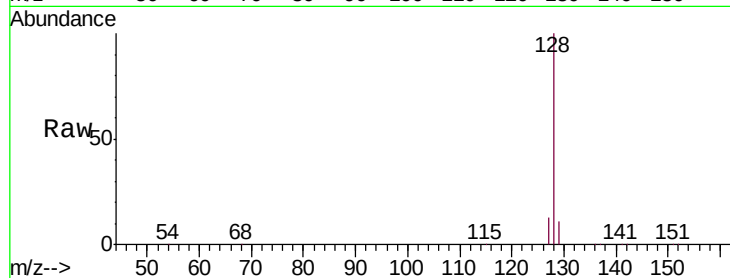
Tgt Ion:128 Resp: 112025

Ion Ratio Lower Upper

128 100

129 11.0 17.0 25.6#

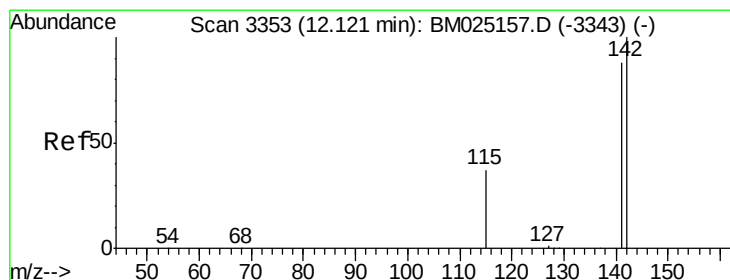
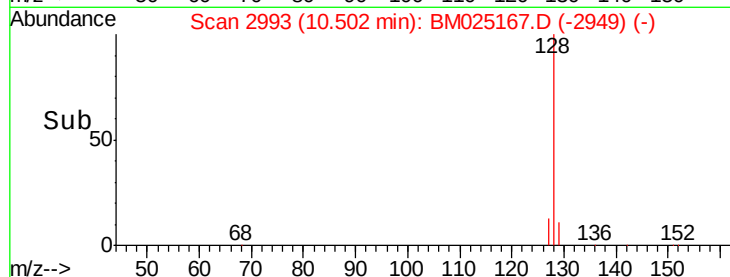
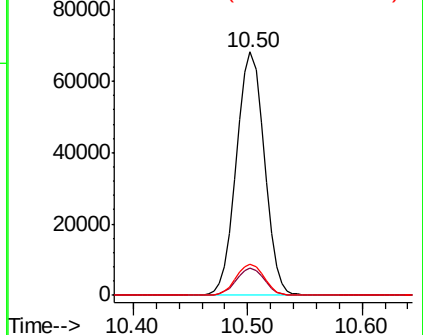
127 12.9 15.7 23.5#



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: 3.518 ng/ul

RT: 12.12 min Scan# 3353

Delta R.T. 0.00 min

Lab File: BM025167.D

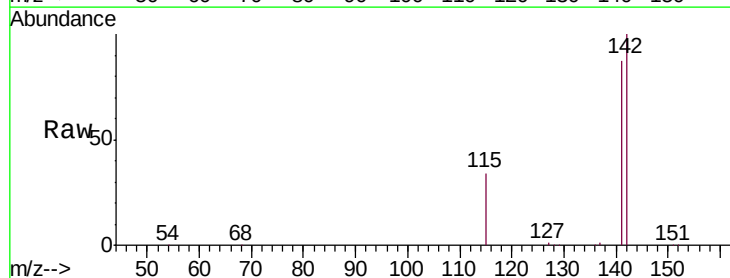
Acq: 29 Feb 2020 14:30

Tgt Ion:142 Resp: 86990

Ion Ratio Lower Upper

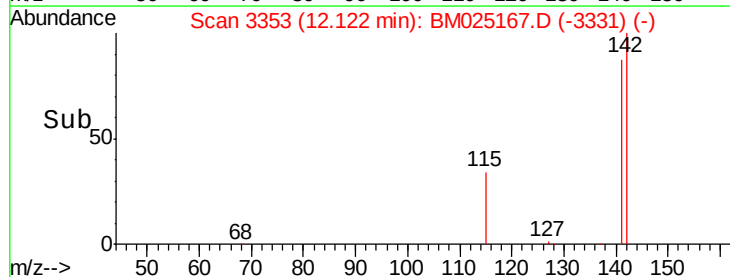
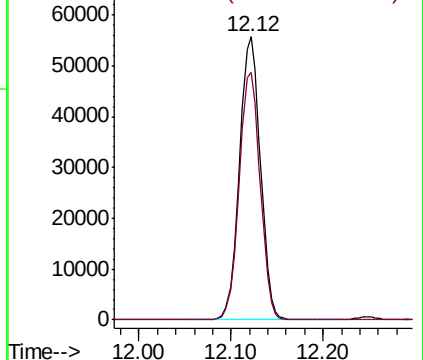
142 100

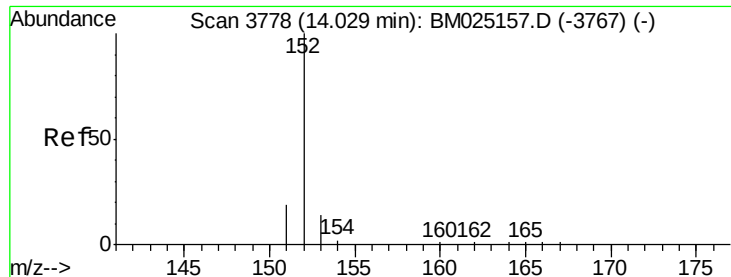
141 87.8 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.818 ng/ul

RT: 14.03 min Scan# 3778

Delta R.T. 0.00 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

Instrument :

BNA_M

ClientSampleId :

DBD12DL

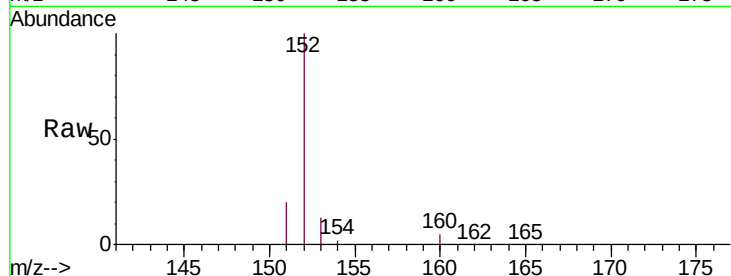
Tgt Ion:152 Resp: 78387

Ion Ratio Lower Upper

152 100

151 19.6 17.8 26.8

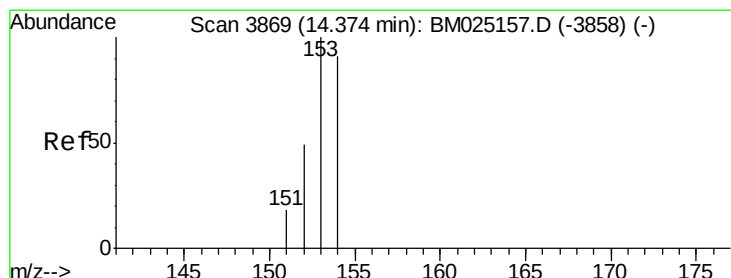
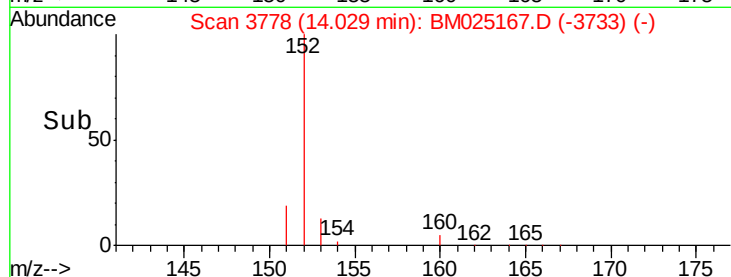
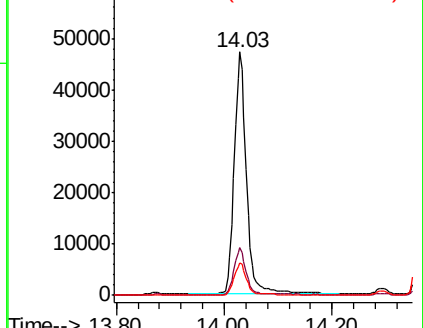
153 13.2 13.3 19.9#



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



#8

Acenaphthene

Concen: 5.371 ng/ul

RT: 14.37 min Scan# 3869

Delta R.T. 0.00 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

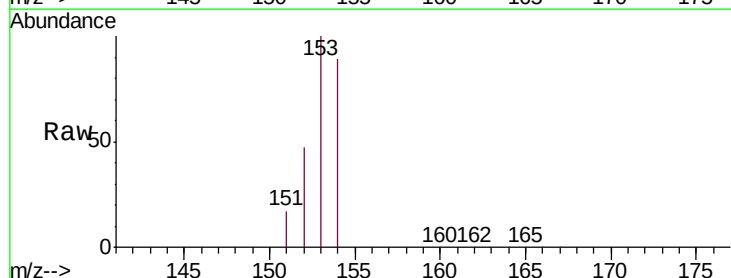
Tgt Ion:153 Resp: 155634

Ion Ratio Lower Upper

153 100

152 46.6 40.0 60.0

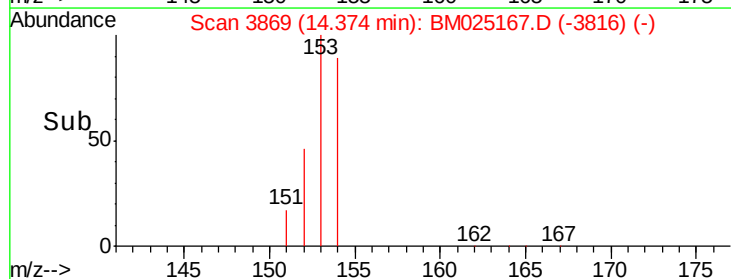
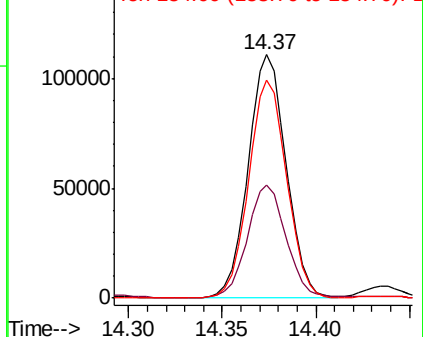
154 89.3 71.0 106.6

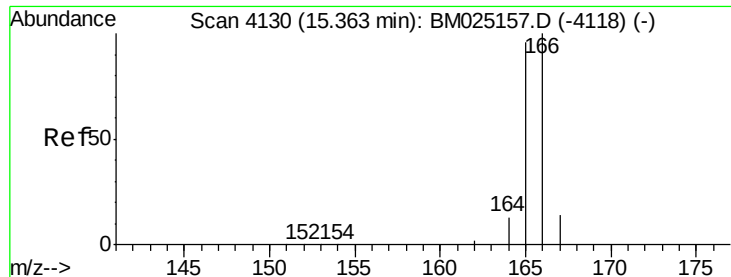


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

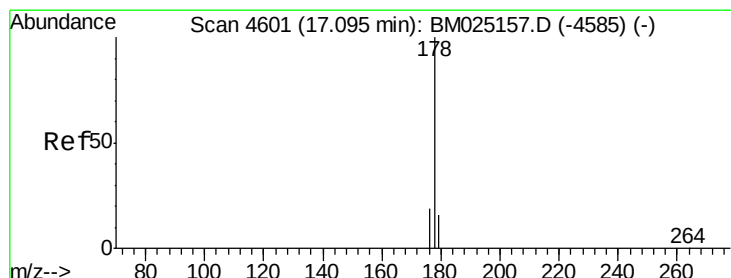
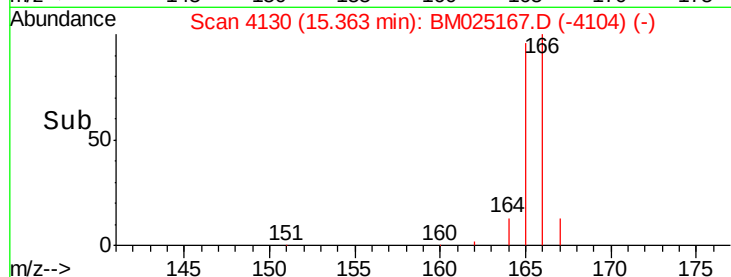
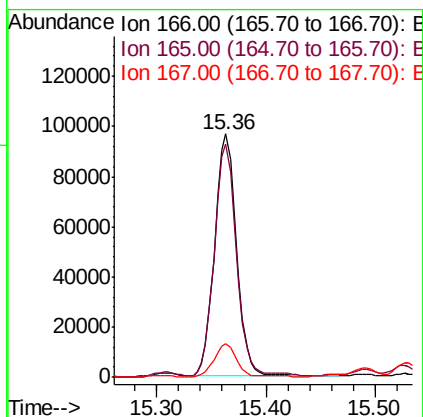
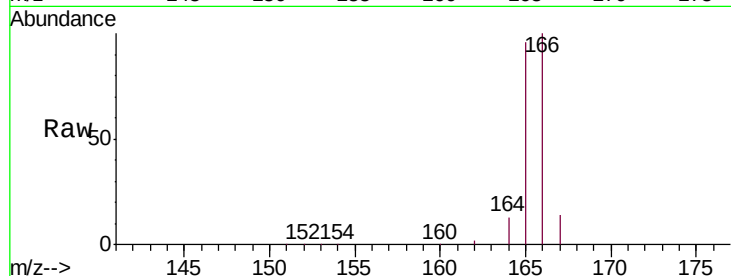




#9
Fluorene
 Concen: 3.679 ng/ul
 RT: 15.36 min Scan# 4130
 Delta R.T. 0.00 min
 Lab File: BM025167.D
 Acq: 29 Feb 2020 14:30

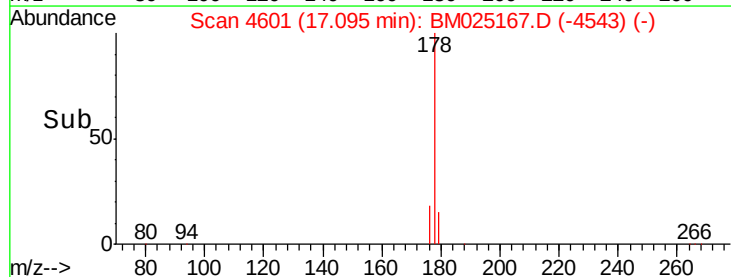
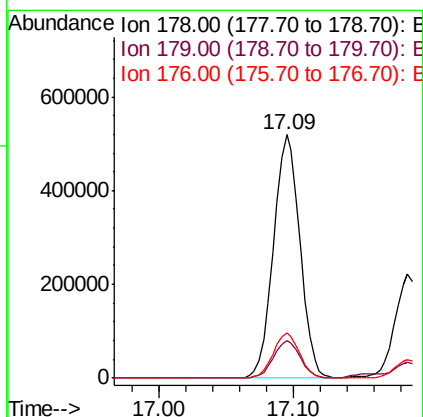
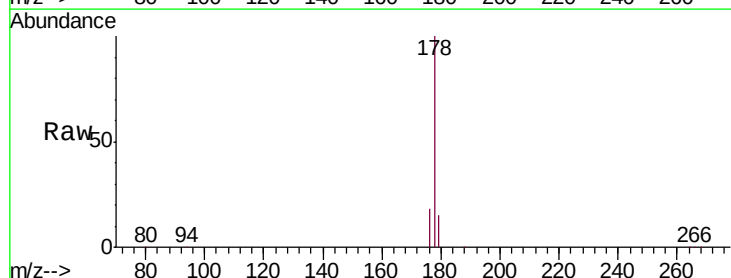
Instrument :
 BNA_M
 ClientSampleId :
 DBD12DL

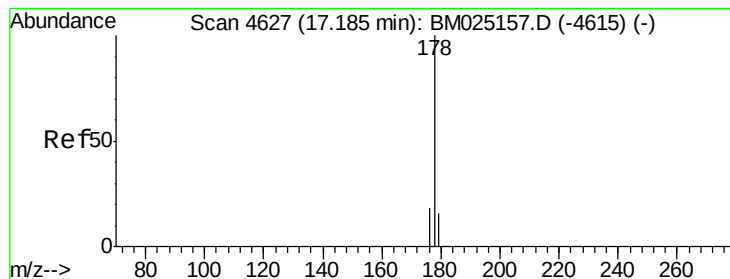
Tgt Ion:166 Resp: 133763
 Ion Ratio Lower Upper
 166 100
 165 96.0 80.0 120.0
 167 13.6 13.7 20.5#



#12
Phenanthrene
 Concen: 11.188 ng/ul
 RT: 17.09 min Scan# 4601
 Delta R.T. 0.00 min
 Lab File: BM025167.D
 Acq: 29 Feb 2020 14:30

Tgt Ion:178 Resp: 705880
 Ion Ratio Lower Upper
 178 100
 179 15.3 14.0 21.0
 176 18.4 16.6 24.8





#13

Anthracene

Concen: 4.916 ng/ul

RT: 17.18 min Scan# 4627

Delta R.T. 0.00 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

Instrument :

BNA_M

ClientSampleId :

DBD12DL

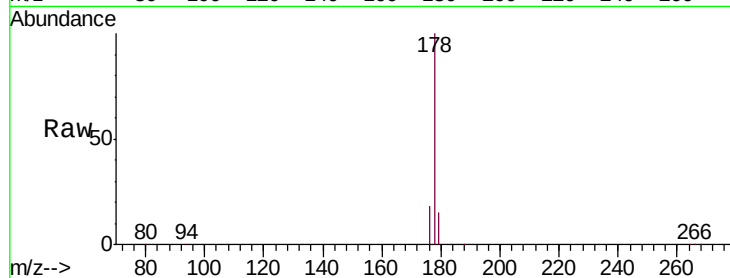
Tgt Ion:178 Resp: 300591

Ion Ratio Lower Upper

178 100

179 15.3 14.1 21.1

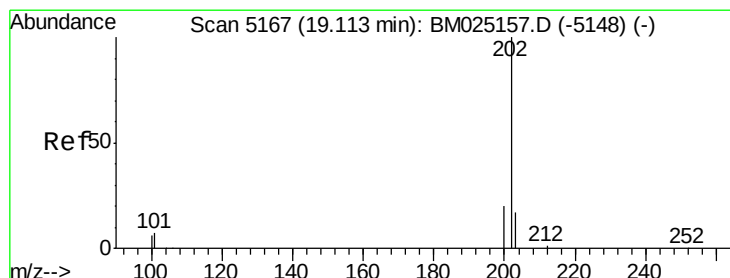
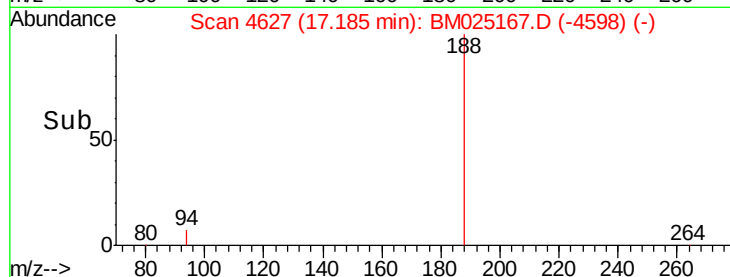
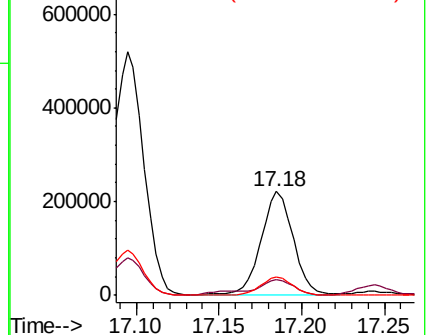
176 17.8 16.2 24.4



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: 30.083 ng/ul

RT: 19.11 min Scan# 5167

Delta R.T. 0.00 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

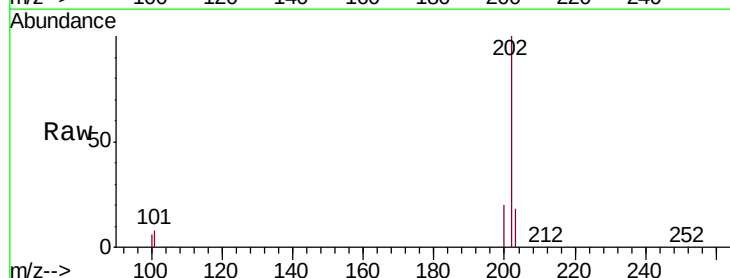
Tgt Ion:202 Resp: 2756925

Ion Ratio Lower Upper

202 100

101 8.2 0.0 29.4

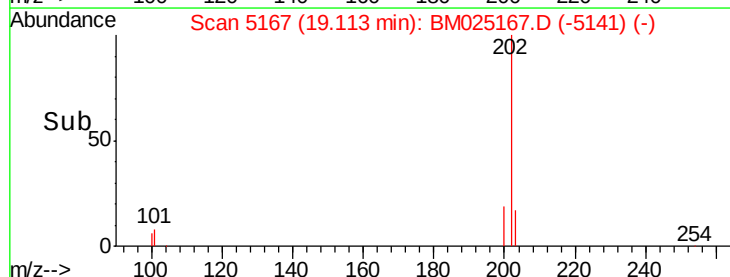
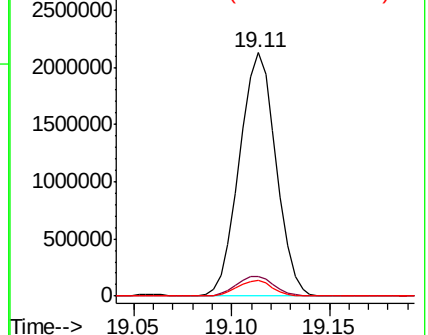
100 6.3 0.0 28.0

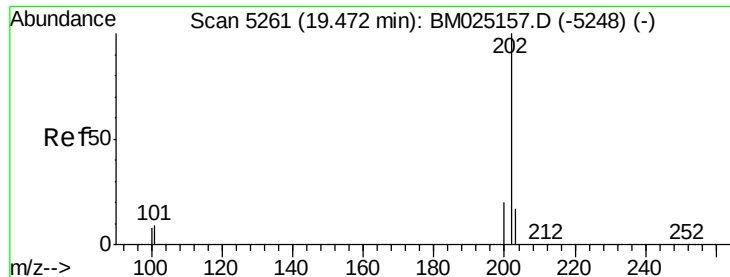


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

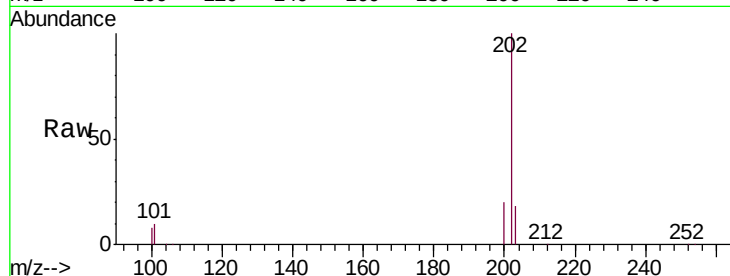




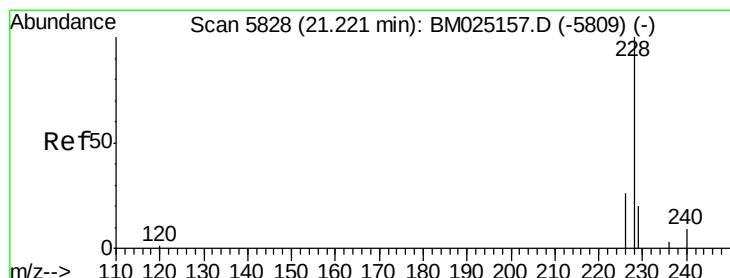
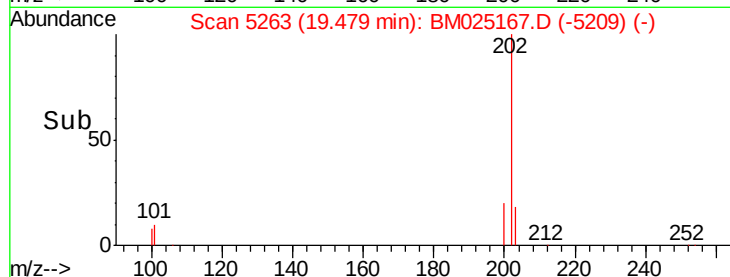
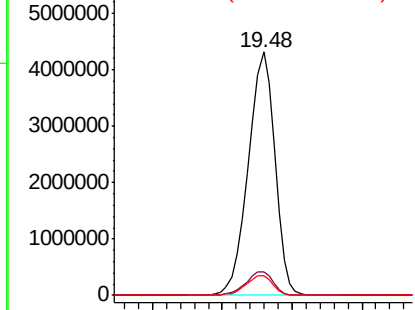
#17
 Pyrene
 Concen: 63.815 ng/ul
 RT: 19.48 min Scan# 5263
 Delta R.T. 0.01 min
 Lab File: BM025167.D
 Acq: 29 Feb 2020 14:30

Instrument :
 BNA_M
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 DBD12DL

Tgt Ion:202 Resp: 5725372
 Ion Ratio Lower Upper
 202 100
 101 9.8 8.7 13.1
 100 8.0 7.3 10.9

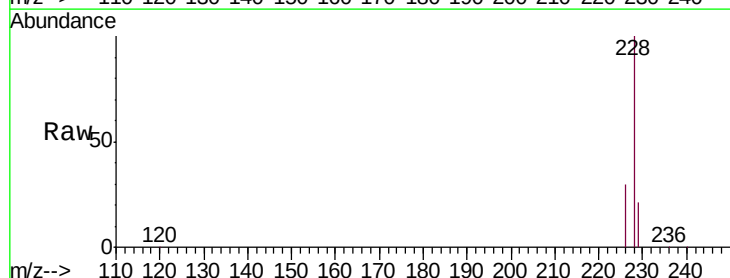


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

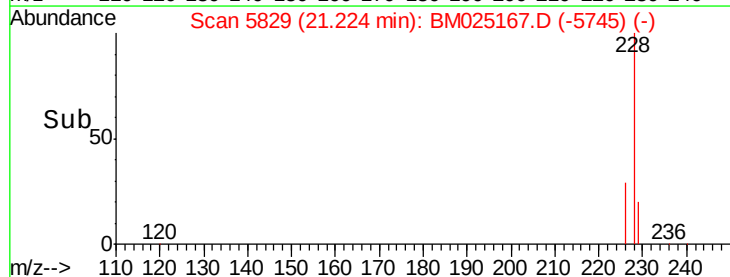
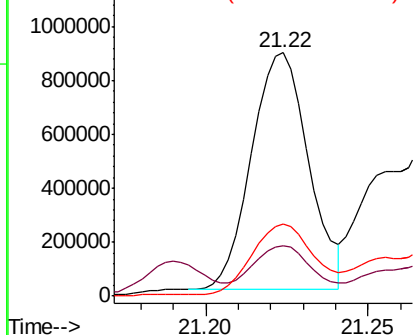


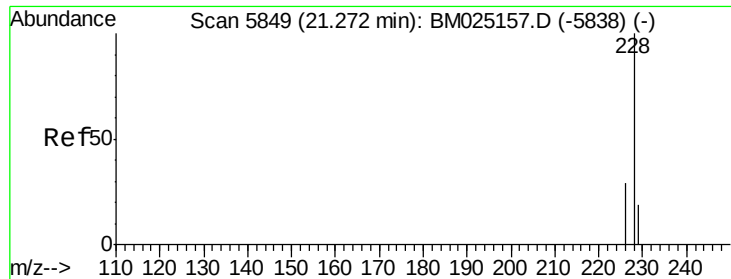
#18
 Benzo(a)anthracene
 Concen: 12.530 ng/ul
 RT: 21.22 min Scan# 5829
 Delta R.T. 0.00 min
 Lab File: BM025167.D
 Acq: 29 Feb 2020 14:30

Tgt Ion:228 Resp: 1077115
 Ion Ratio Lower Upper
 228 100
 229 20.8 16.6 25.0
 226 29.6 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: 16.397 ng/ul

RT: 21.27 min Scan# 5850

Delta R.T. 0.00 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

Instrument :

BNA_M

ClientSampleId :

DBD12DL

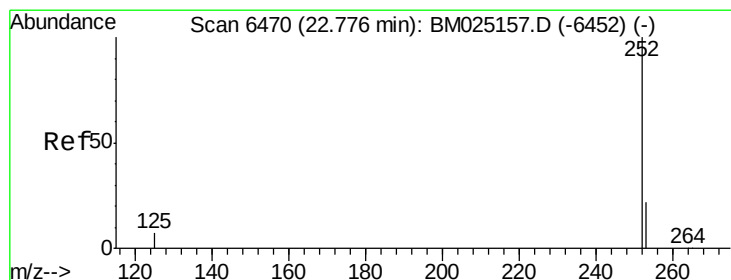
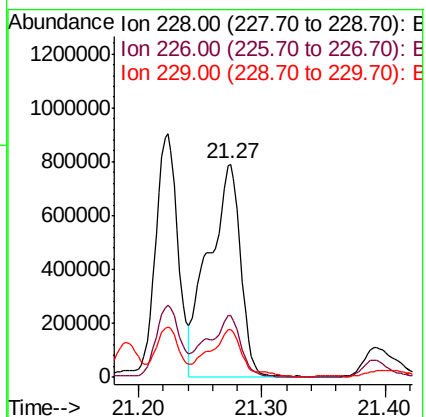
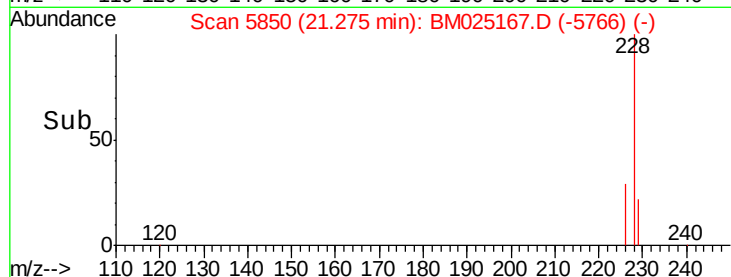
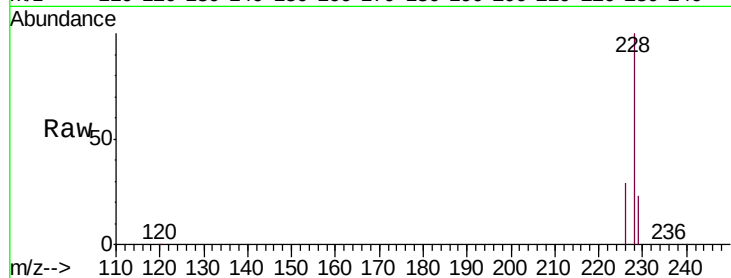
Tgt Ion:228 Resp: 1404012

Ion Ratio Lower Upper

228 100

226 28.9 23.8 35.8

229 22.6 16.9 25.3



#21

Benzo(b)fluoranthene

Concen: 24.882 ng/ul

RT: 22.79 min Scan# 6474

Delta R.T. 0.01 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

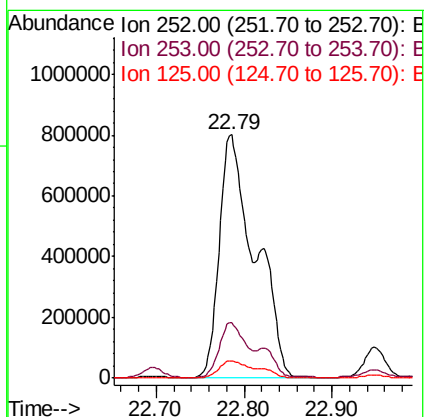
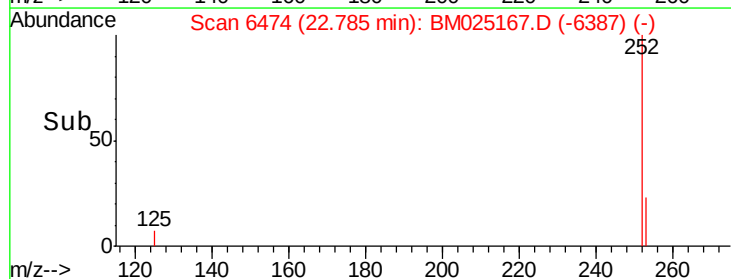
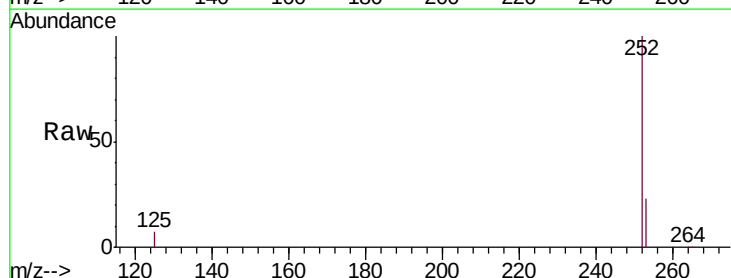
Tgt Ion:252 Resp: 2245867

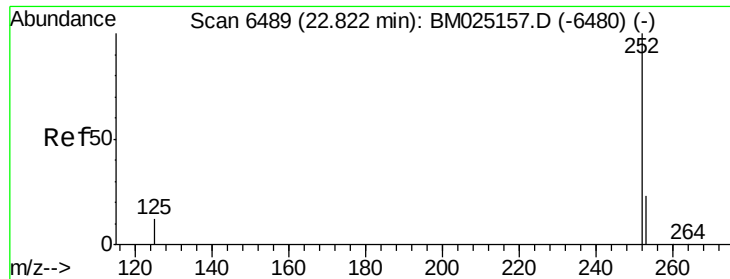
Ion Ratio Lower Upper

252 100

253 22.8 0.0 49.8

125 7.1 0.0 28.6





#22

Benzo(k)fluoranthene

Concen: 25.119 ng/ul

RT: 22.79 min Scan# 6474

Delta R.T. -0.04 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

Instrument :

BNA_M

ClientSampleId :

DBD12DL

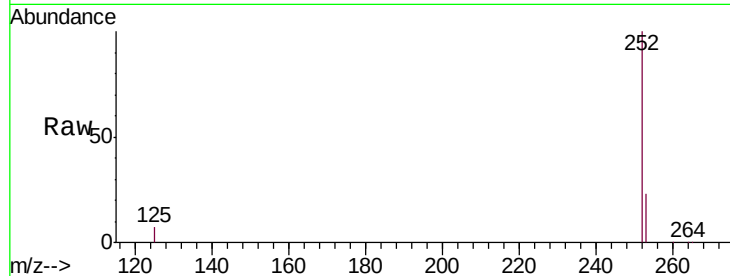
Tgt Ion:252 Resp: 2246154

Ion Ratio Lower Upper

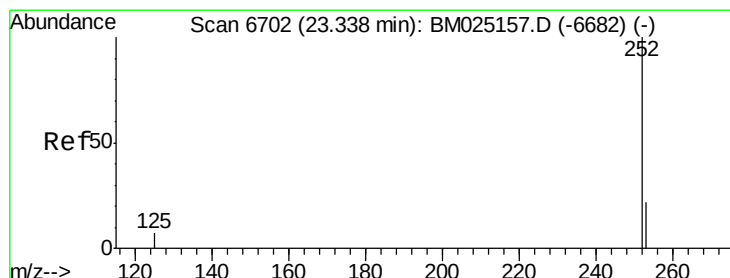
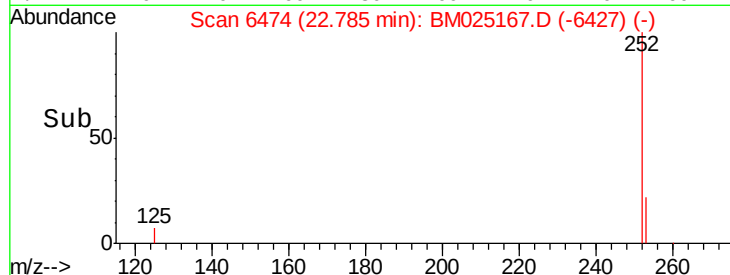
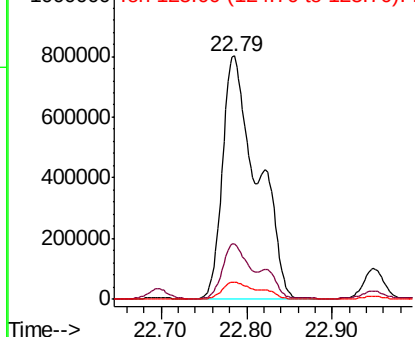
252 100

253 22.8 19.4 29.0

125 7.1 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: 8.226 ng/ul

RT: 23.34 min Scan# 6703

Delta R.T. 0.00 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

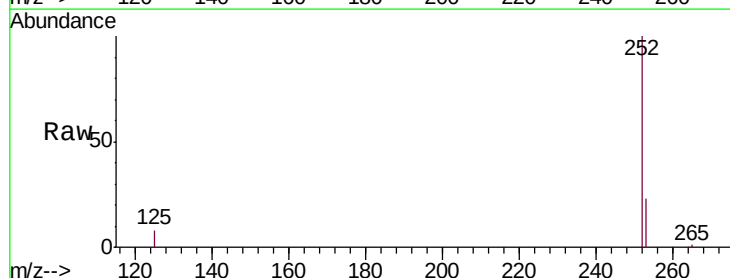
Tgt Ion:252 Resp: 677891

Ion Ratio Lower Upper

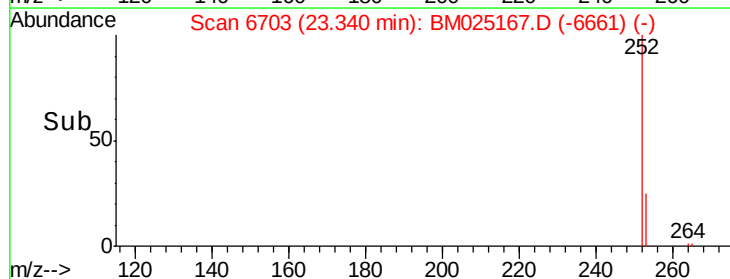
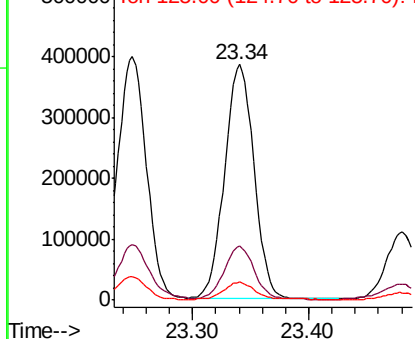
252 100

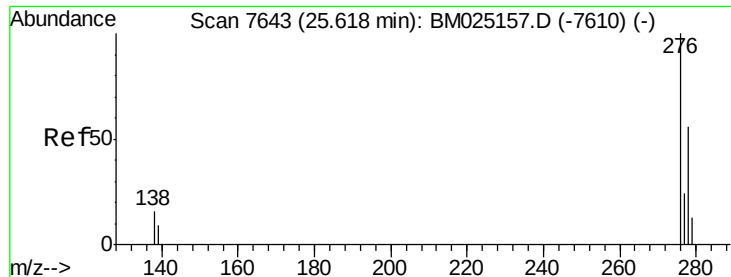
253 22.8 20.3 30.5

125 7.6 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



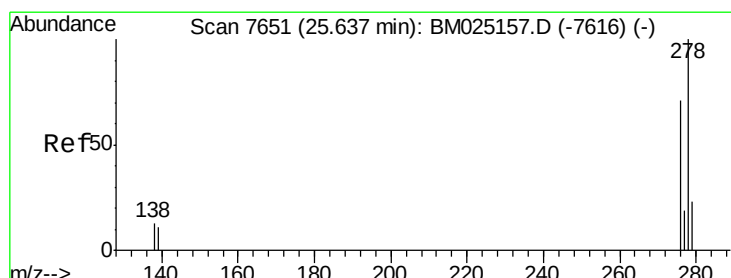
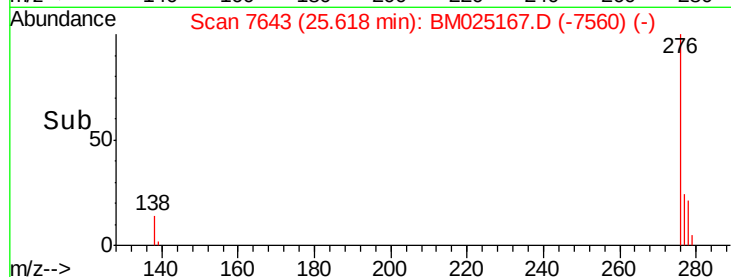
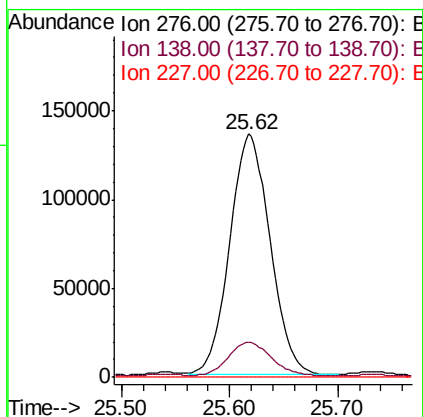
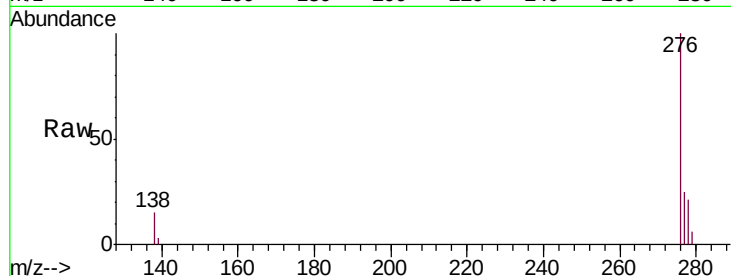


#24

Indeno(1,2,3-cd)pyrene
Concen: 3.399 ng/ul
RT: 25.62 min Scan# 7643
Delta R.T. 0.00 min
Lab File: BM025167.D
Acq: 29 Feb 2020 14:30

Instrument :
BNA_M
ClientSampleId :
DBD12DL

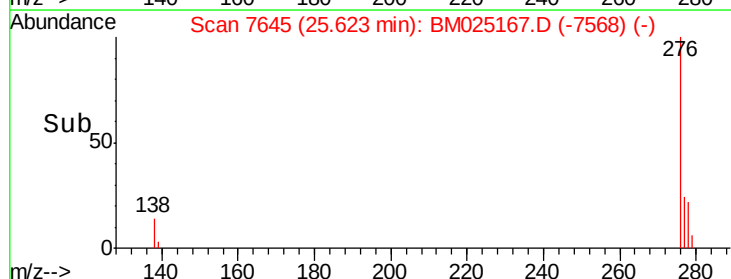
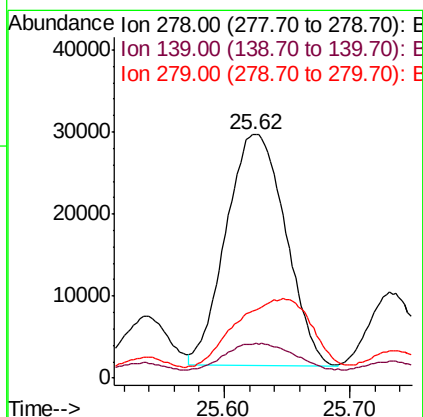
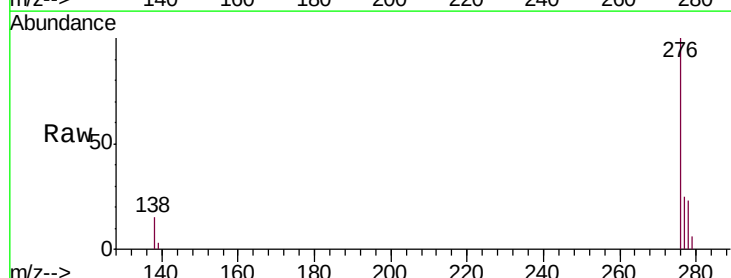
Tgt Ion:276 Resp: 350908
Ion Ratio Lower Upper
276 100
138 15.2 0.0 0.0#
227 0.0 0.0 0.0

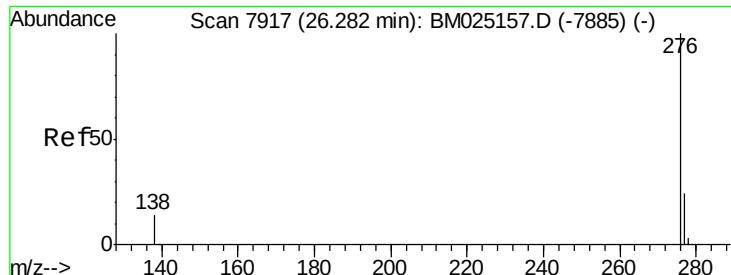


#25

Dibenzo(a,h)anthracene
Concen: 1.074 ng/ul
RT: 25.62 min Scan# 7645
Delta R.T. -0.01 min
Lab File: BM025167.D
Acq: 29 Feb 2020 14:30

Tgt Ion:278 Resp: 93189
Ion Ratio Lower Upper
278 100
139 14.0 13.2 19.8
279 27.5 21.0 31.4





#26

Benzo(g,h,i)perylene

Concen: 2.547 ng/ul

RT: 26.28 min Scan# 7918

Delta R.T. 0.00 min

Lab File: BM025167.D

Acq: 29 Feb 2020 14:30

Instrument :

BNA_M

ClientSampleId :

DBD12DL

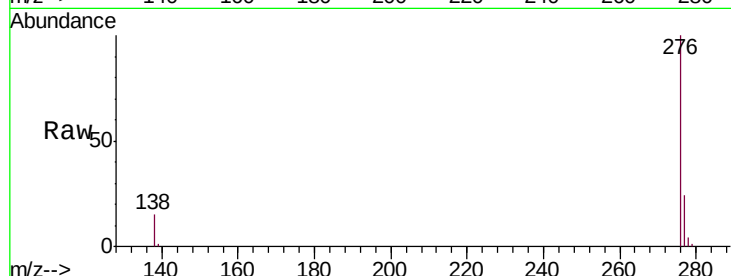
Tgt Ion: 276 Resp: 221610

Ion Ratio Lower Upper

276 100

138 15.4 17.9 26.9#

277 24.0 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

