

Data File : BM025157.D
Acq On : 29 Feb 2020 06:08
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.496

Quant Time: Mar 02 00:40:15 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 00:36:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	2461	0.40	ng/ul	0.00
2) Naphthalene-d8	10.45	136	9336	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	5640	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	13059	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	14788	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	16478	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.05	152	6720	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	18191	0.41	ng/ul	0.00

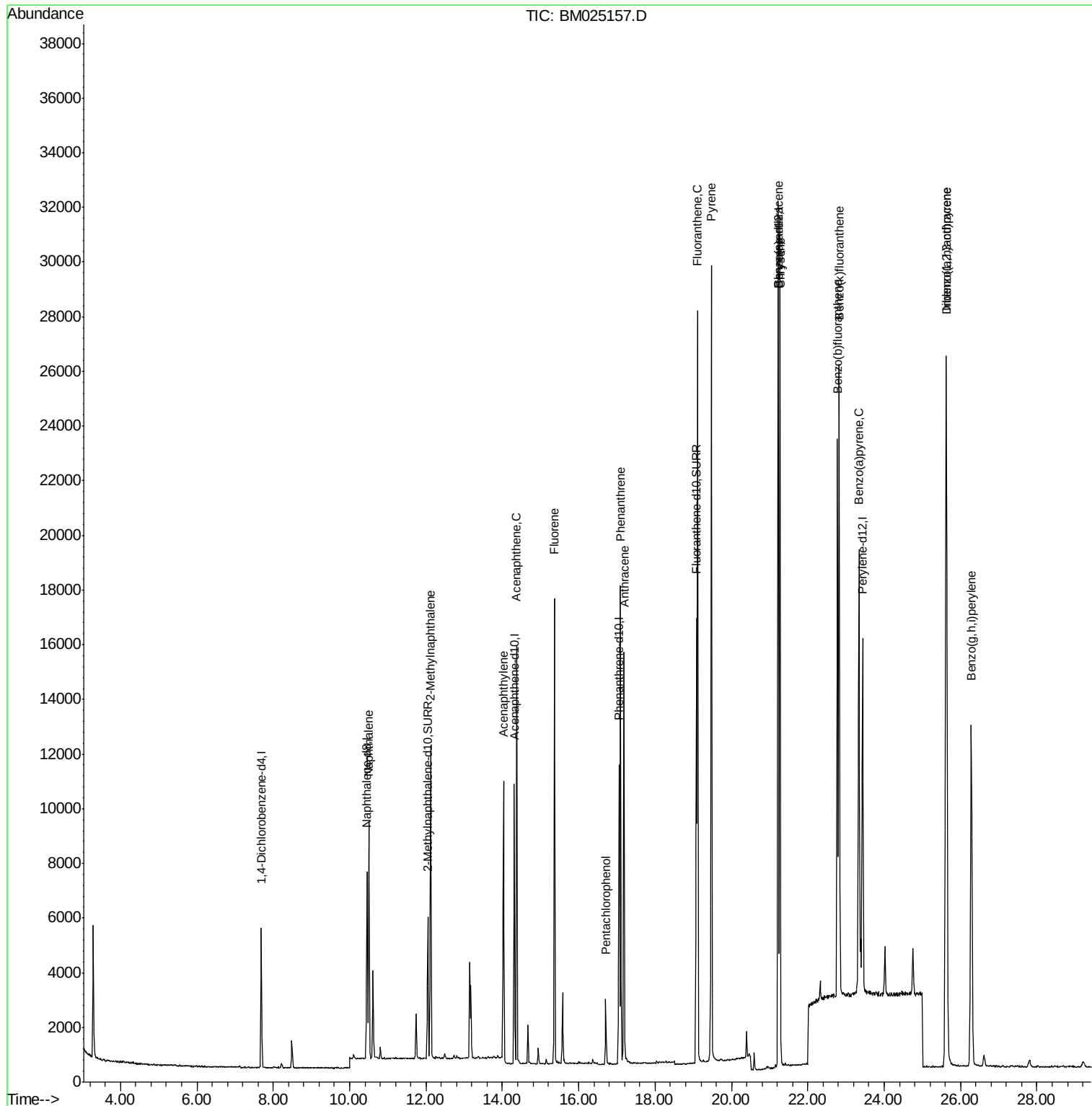
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.50	128	11505	0.405	ng/ul#	83
5) 2-Methylnaphthalene	12.12	142	7866	0.384	ng/ul	99
7) Acenaphthylene	14.03	152	11714	0.360	ng/ul	94
8) Acenaphthene	14.37	153	8606	0.394	ng/ul	98
9) Fluorene	15.36	166	10310	0.376	ng/ul	96
11) Pentachlorophenol	16.71	266	1613	0.404	ng/ul	98
12) Phenanthrene	17.09	178	17906	0.390	ng/ul	97
13) Anthracene	17.18	178	16165	0.363	ng/ul	96
15) Fluoranthene	19.11	202	24206	0.363	ng/ul	95
17) Pyrene	19.47	202	25009	0.375	ng/ul	96
18) Benzo(a)anthracene	21.22	228	23814	0.373	ng/ul	98
19) Chrysene	21.27	228	25271	0.397	ng/ul	98
21) Benzo(b)fluoranthene	22.78	252	26049	0.403	ng/ul	93
22) Benzo(k)fluoranthene	22.82	252	27223	0.425	ng/ul	100
23) Benzo(a)pyrene	23.34	252	23031	0.391	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.62	276	31559	0.427	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.64	278	26335	0.424	ng/ul#	94
26) Benzo(g,h,i)perylene	26.28	276	25772	0.414	ng/ul#	92

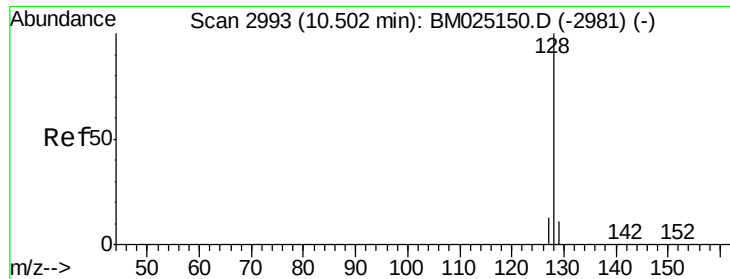
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.405 ng/ul

RT: 10.50 min Scan# 2993

Delta R.T. 0.00 min

Lab File: BM025157.D

Acq: 29 Feb 2020 06:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.496

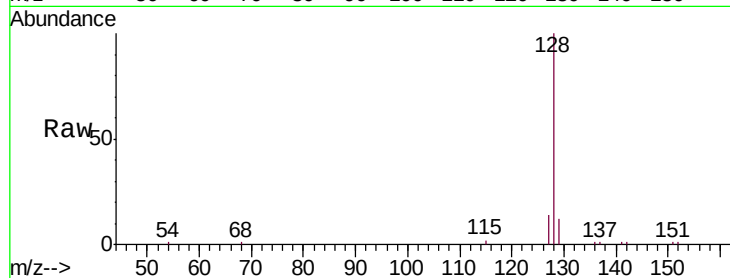
Tgt Ion:128 Resp: 11505

Ion Ratio Lower Upper

128 100

129 11.6 17.0 25.6#

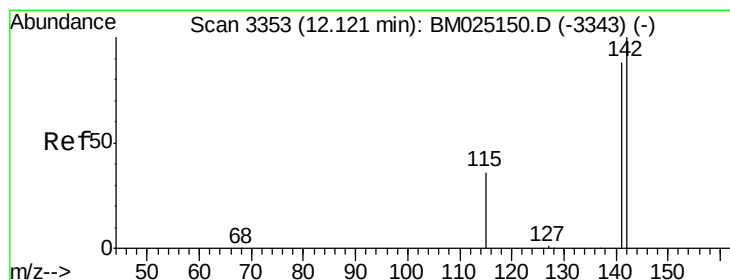
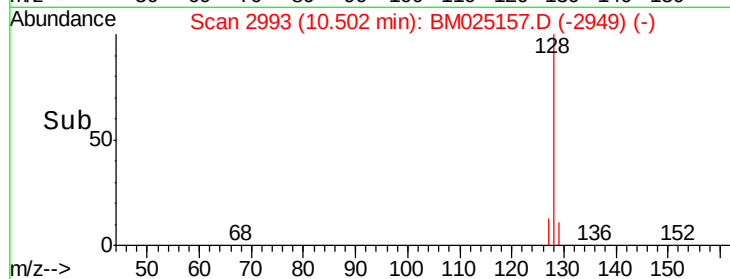
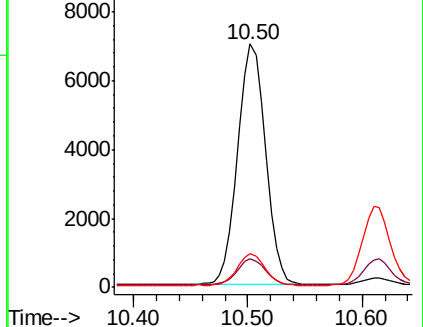
127 13.6 15.7 23.5#



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: 0.384 ng/ul

RT: 12.12 min Scan# 3353

Delta R.T. 0.00 min

Lab File: BM025157.D

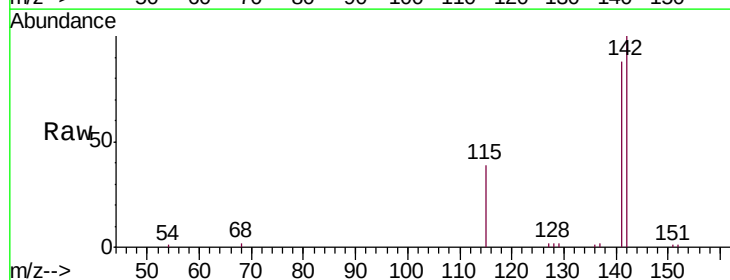
Acq: 29 Feb 2020 06:08

Tgt Ion:142 Resp: 7866

Ion Ratio Lower Upper

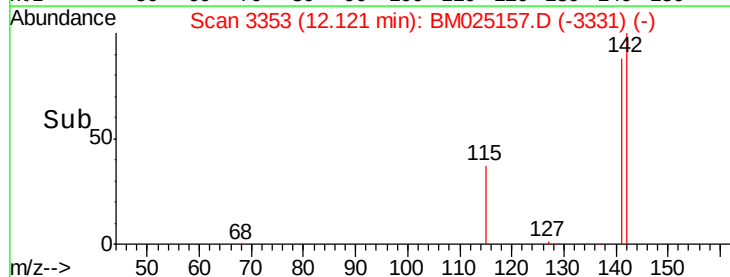
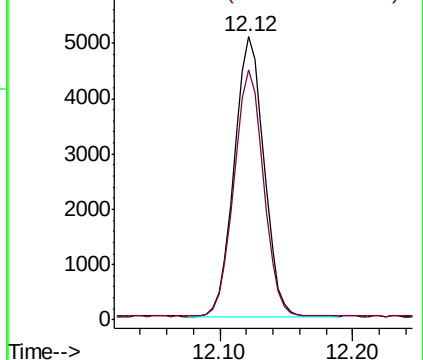
142 100

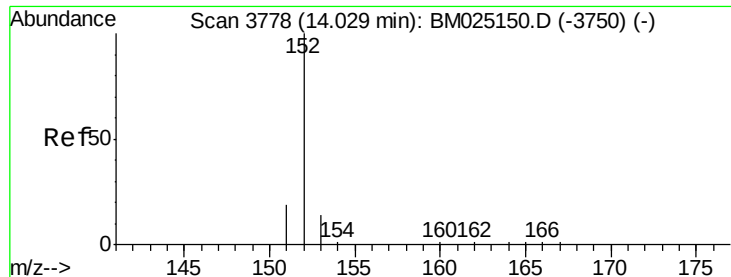
141 87.9 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.360 ng/ul

RT: 14.03 min Scan# 3778

Delta R.T. 0.00 min

Lab File: BM025157.D

Acq: 29 Feb 2020 06:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.496

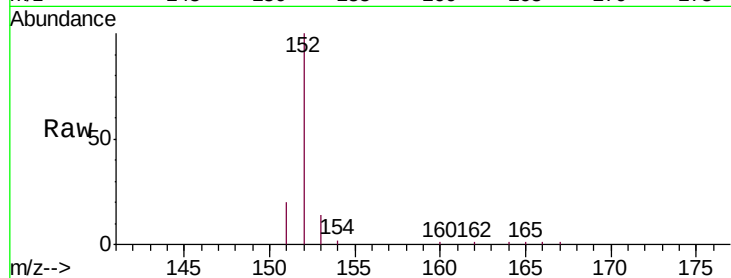
Tgt Ion:152 Resp: 11714

Ion Ratio Lower Upper

152 100

151 19.9 17.8 26.8

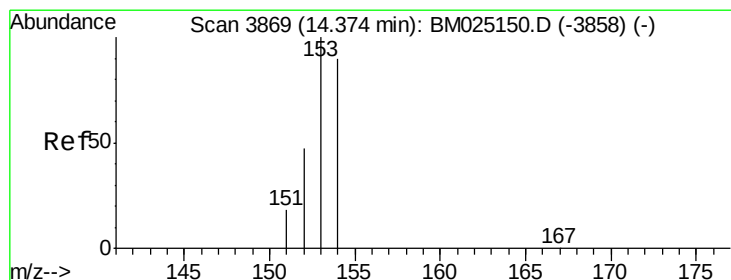
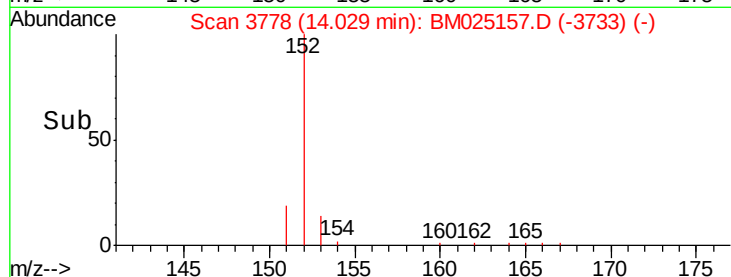
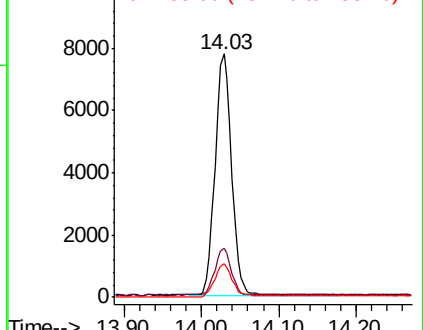
153 13.9 13.3 19.9



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: 0.394 ng/ul

RT: 14.37 min Scan# 3869

Delta R.T. 0.00 min

Lab File: BM025157.D

Acq: 29 Feb 2020 06:08

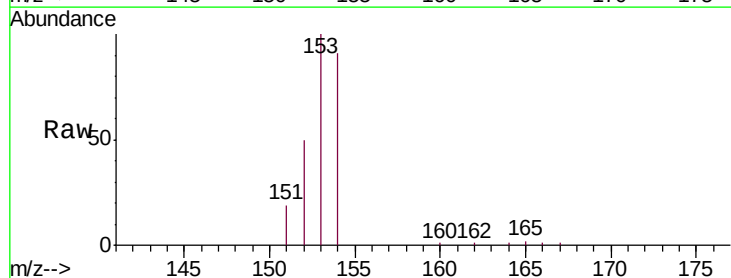
Tgt Ion:153 Resp: 8606

Ion Ratio Lower Upper

153 100

152 50.3 40.0 60.0

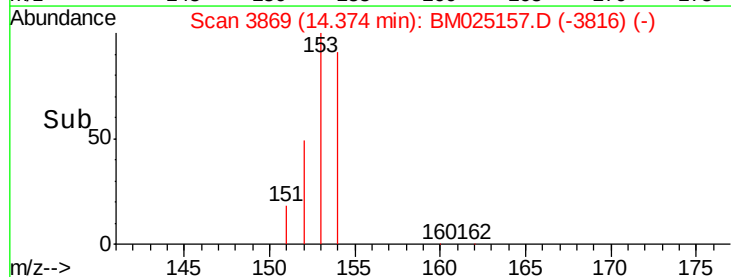
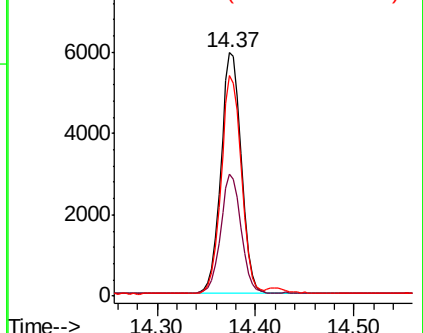
154 90.8 71.0 106.6

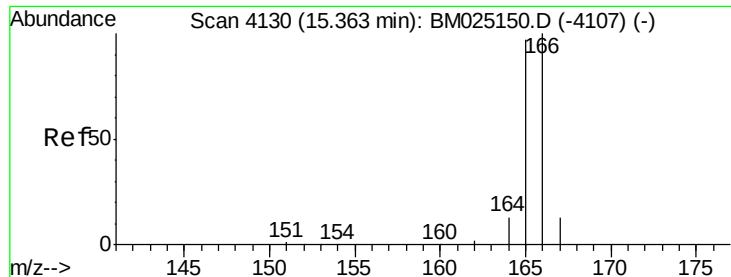


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

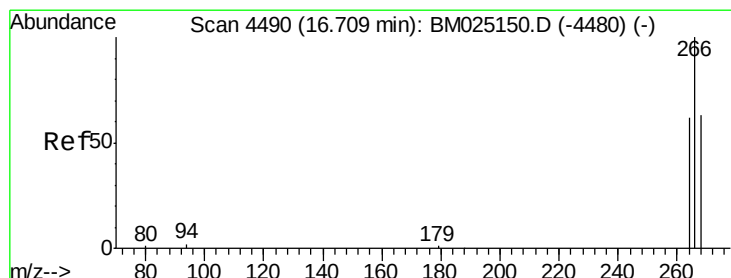
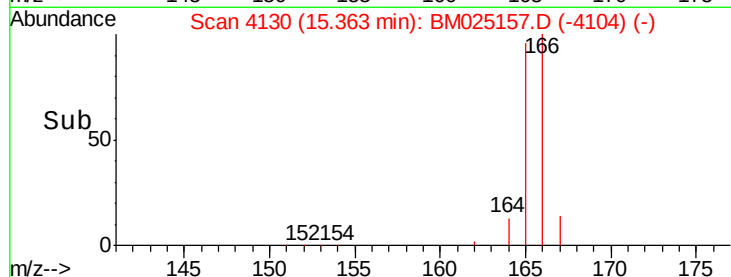
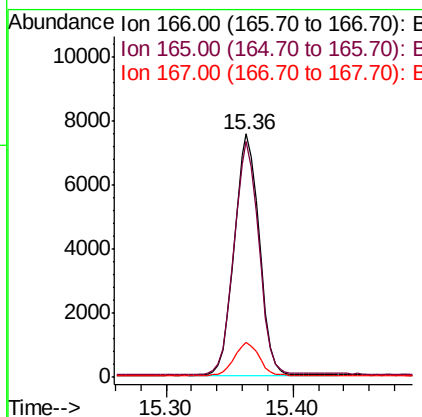
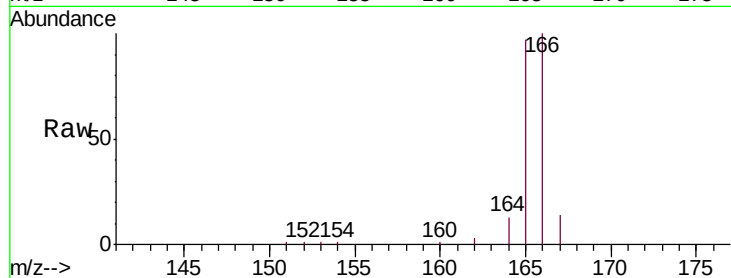




#9
Fluorene
 Concen: 0.376 ng/ul
 RT: 15.36 min Scan# 4130
 Delta R.T. 0.00 min
 Lab File: BM025157.D
 Acq: 29 Feb 2020 06:08

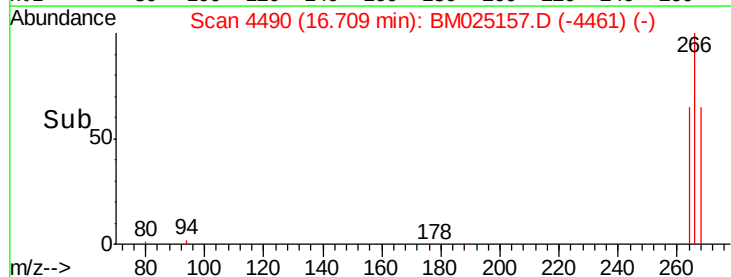
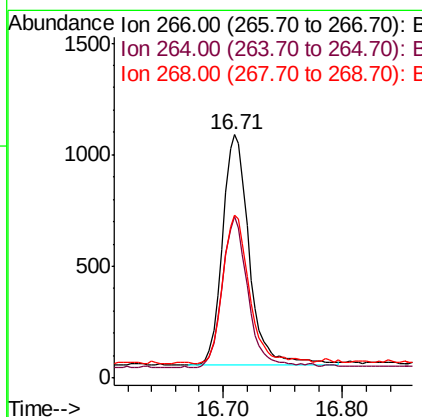
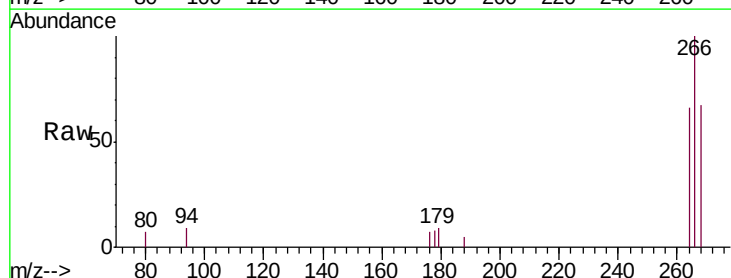
Instrument :
 BNA_M
 ClientSampleId :
 SST0.496

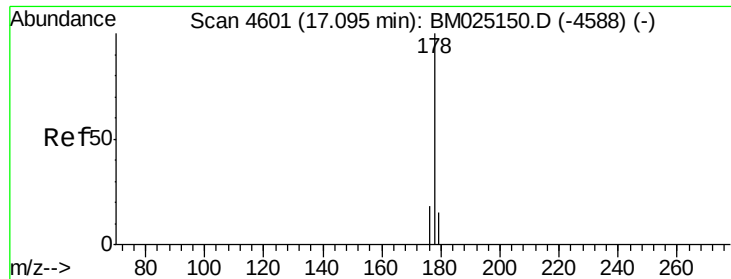
Tgt Ion:166 Resp: 10310
 Ion Ratio Lower Upper
 166 100
 165 96.9 80.0 120.0
 167 14.3 13.7 20.5



#11
Pentachlorophenol
 Concen: 0.404 ng/ul
 RT: 16.71 min Scan# 4490
 Delta R.T. 0.00 min
 Lab File: BM025157.D
 Acq: 29 Feb 2020 06:08

Tgt Ion:266 Resp: 1613
 Ion Ratio Lower Upper
 266 100
 264 62.5 49.8 74.6
 268 64.5 49.0 73.4





#12

Phenanthrene

Concen: 0.390 ng/ul

RT: 17.09 min Scan# 4601

Delta R.T. 0.00 min

Lab File: BM025157.D

Acq: 29 Feb 2020 06:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.496

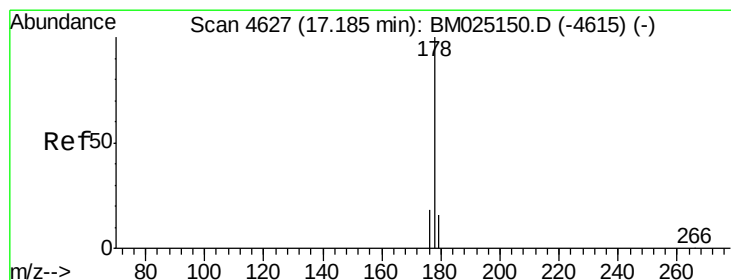
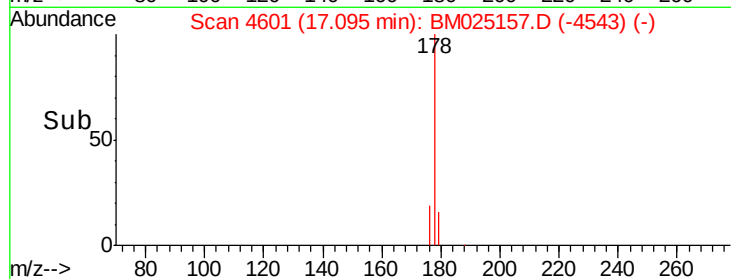
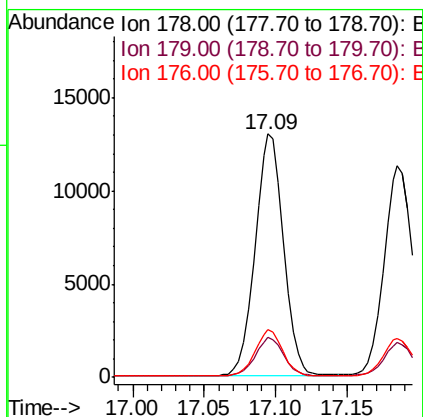
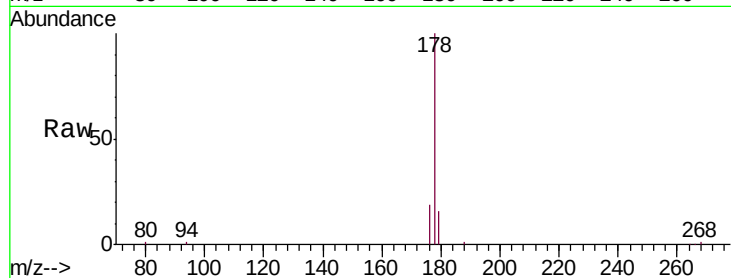
Tgt Ion:178 Resp: 17906

Ion Ratio Lower Upper

178 100

179 16.3 14.0 21.0

176 19.4 16.6 24.8



#13

Anthracene

Concen: 0.363 ng/ul

RT: 17.18 min Scan# 4627

Delta R.T. 0.00 min

Lab File: BM025157.D

Acq: 29 Feb 2020 06:08

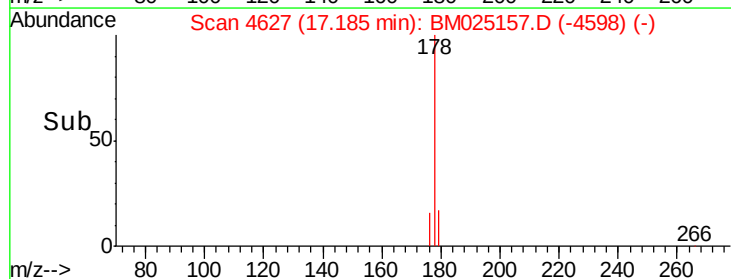
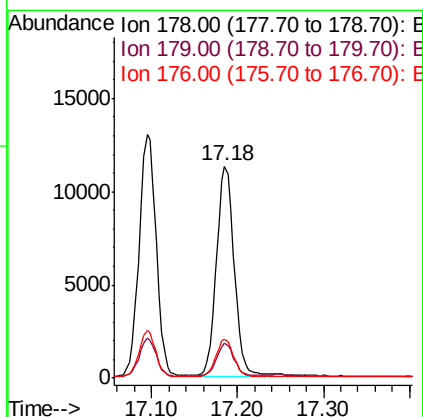
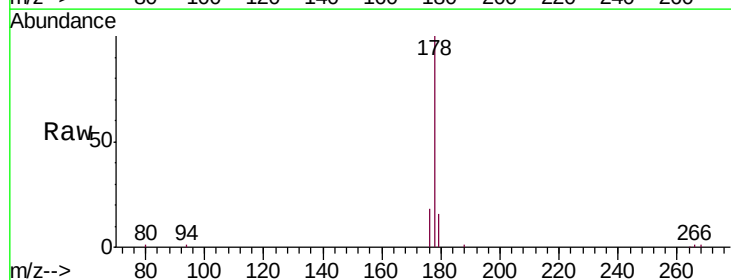
Tgt Ion:178 Resp: 16165

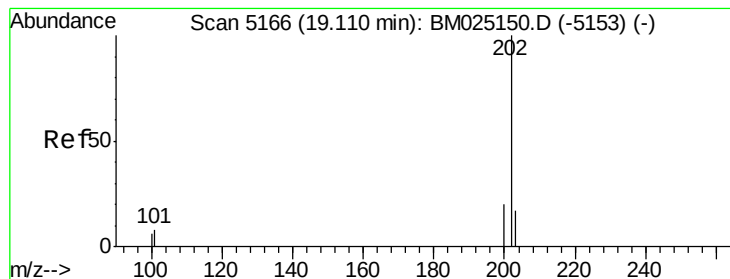
Ion Ratio Lower Upper

178 100

179 16.3 14.1 21.1

176 18.2 16.2 24.4





#15

Fluoranthene

Concen: 0.363 ng/ul

RT: 19.11 min Scan# 5167

Delta R.T. 0.00 min

Lab File: BM025157.D

Acq: 29 Feb 2020 06:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.496

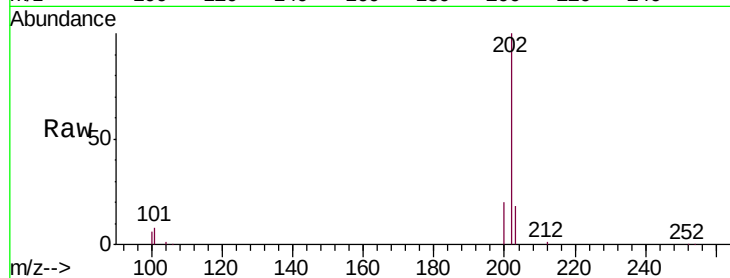
Tgt Ion:202 Resp: 24206

Ion Ratio Lower Upper

202 100

101 7.6 0.0 29.4

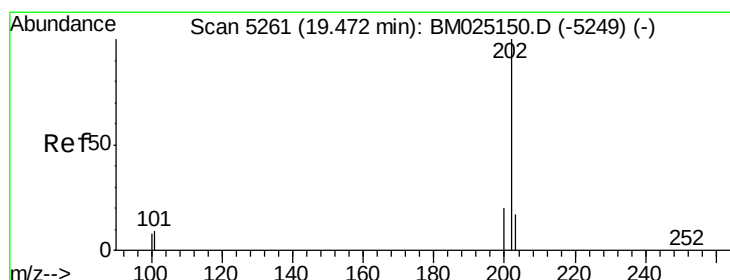
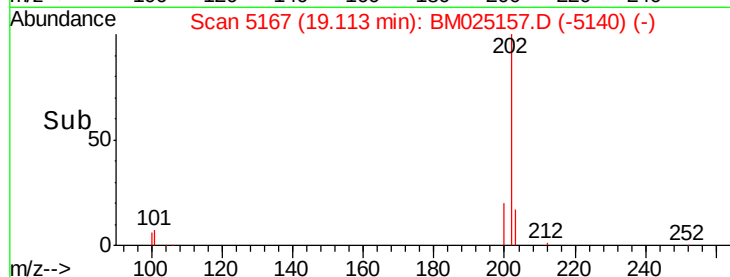
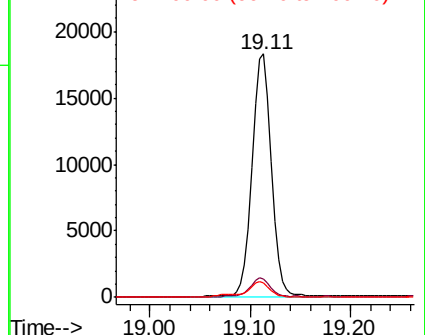
100 5.9 0.0 28.0



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: 0.375 ng/ul

RT: 19.47 min Scan# 5261

Delta R.T. -0.00 min

Lab File: BM025157.D

Acq: 29 Feb 2020 06:08

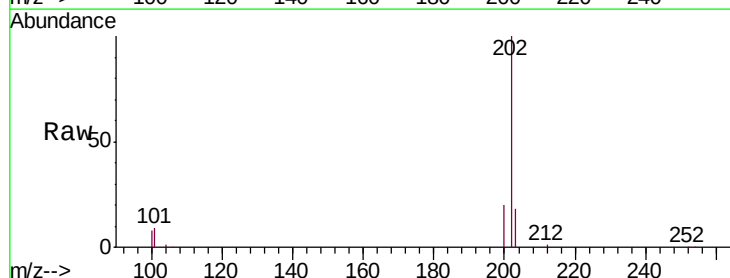
Tgt Ion:202 Resp: 25009

Ion Ratio Lower Upper

202 100

101 9.2 8.7 13.1

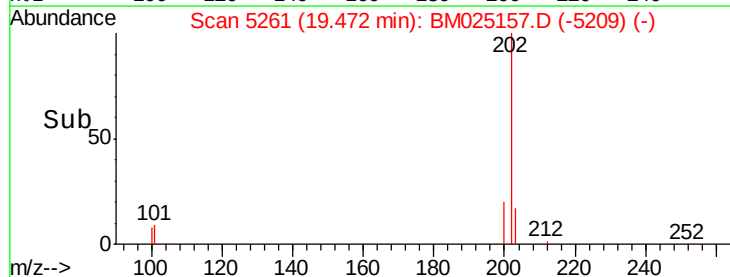
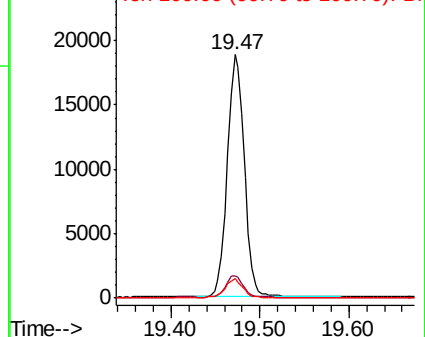
100 8.2 7.3 10.9

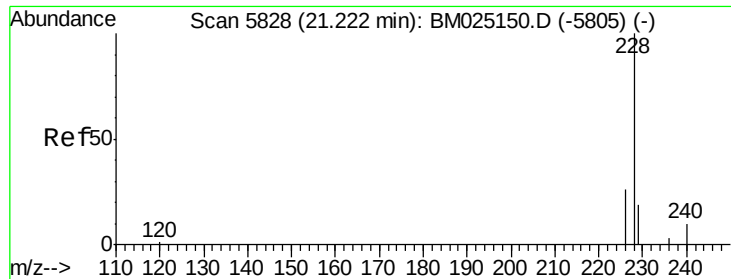


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.373 ng/ul

RT: 21.22 min Scan# 5828

Delta R.T. -0.00 min

Lab File: BM025157.D

Acq: 29 Feb 2020 06:08

Instrument :

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ClientSampleId :

SSTD0.496

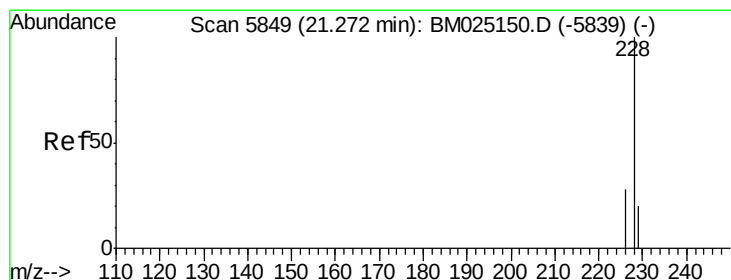
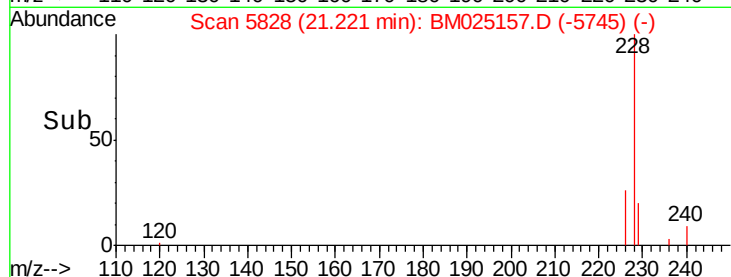
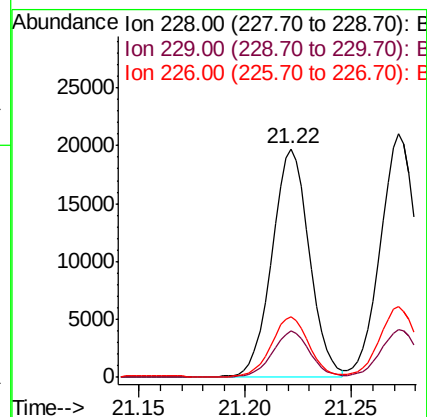
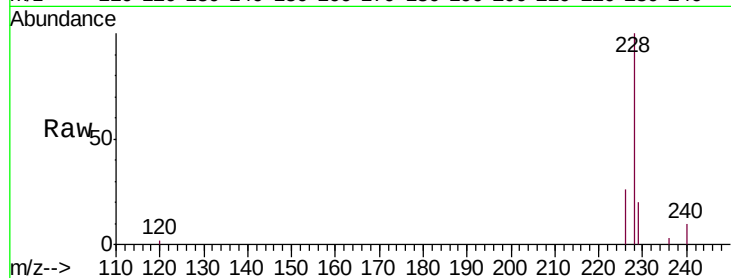
Tgt Ion:228 Resp: 23814

Ion Ratio Lower Upper

228 100

229 20.1 16.6 25.0

226 26.4 21.9 32.9



#19

Chrysene

Concen: 0.397 ng/ul

RT: 21.27 min Scan# 5849

Delta R.T. -0.00 min

Lab File: BM025157.D

Acq: 29 Feb 2020 06:08

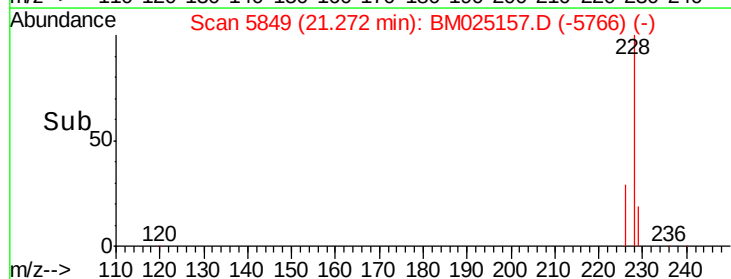
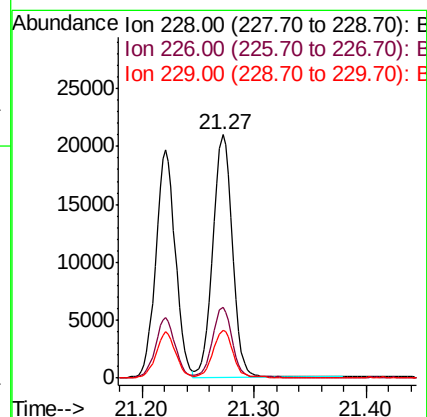
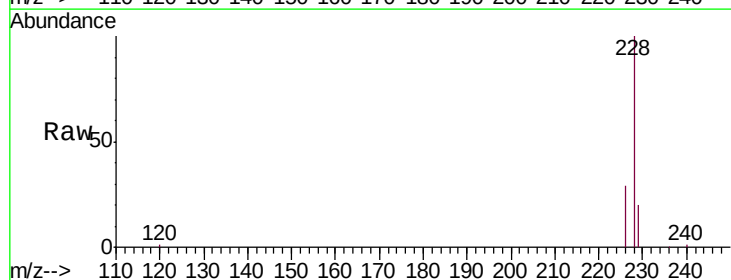
Tgt Ion:228 Resp: 25271

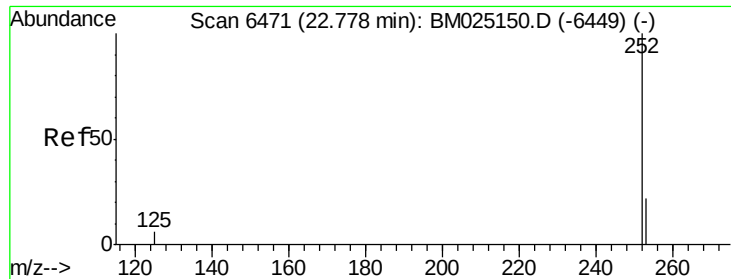
Ion Ratio Lower Upper

228 100

226 29.0 23.8 35.8

229 19.7 16.9 25.3





#21

Benzo(b)fluoranthene

Concen: 0.403 ng/ul

RT: 22.78 min Scan# 6470

Delta R.T. -0.00 min

Lab File: BM025157.D

Acq: 29 Feb 2020 06:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.496

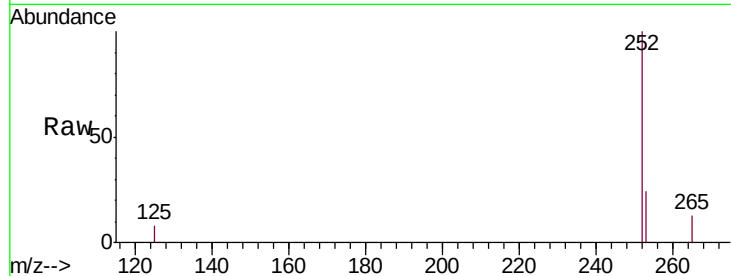
Tgt Ion:252 Resp: 26049

Ion Ratio Lower Upper

252 100

253 23.6 0.0 49.8

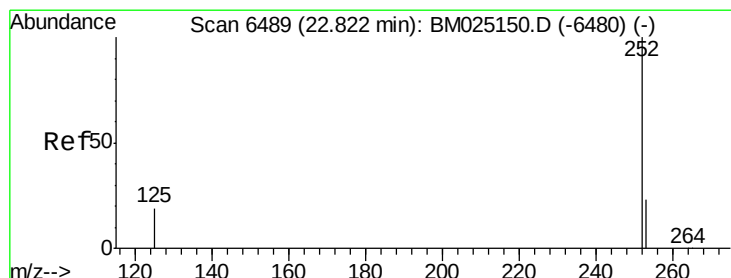
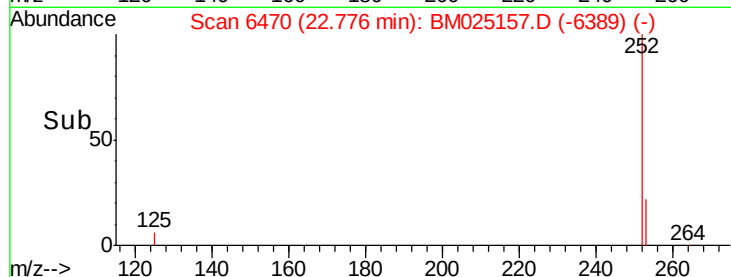
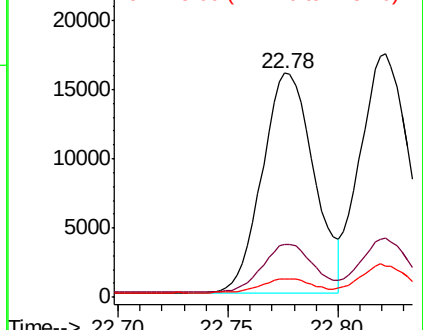
125 8.4 0.0 28.6



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: 0.425 ng/ul

RT: 22.82 min Scan# 6489

Delta R.T. -0.00 min

Lab File: BM025157.D

Acq: 29 Feb 2020 06:08

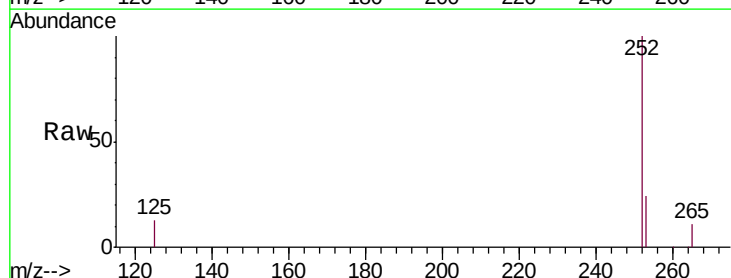
Tgt Ion:252 Resp: 27223

Ion Ratio Lower Upper

252 100

253 24.2 19.4 29.0

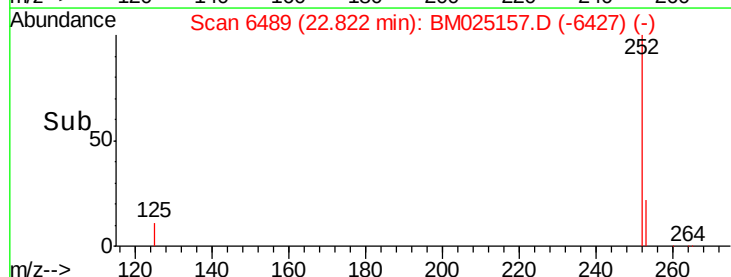
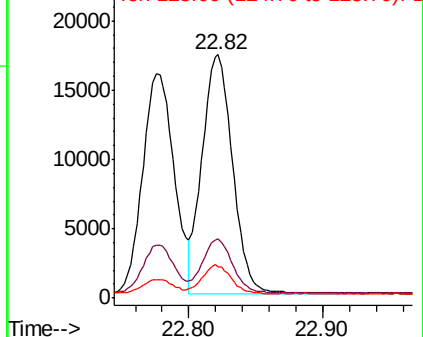
125 13.0 10.7 16.1

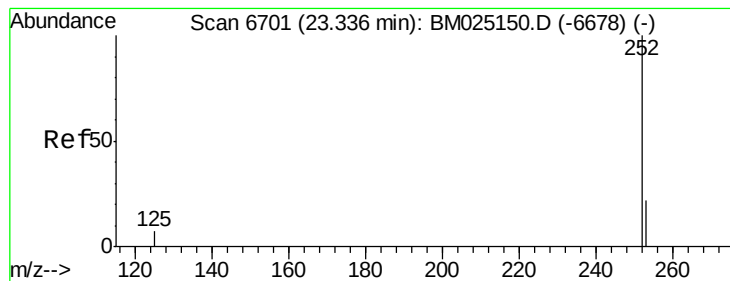


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.391 ng/ul

RT: 23.34 min Scan# 6702

Delta R.T. 0.00 min

Lab File: BM025157.D

Acq: 29 Feb 2020 06:08

Instrument :

BNA_M

ClientSampleId :

SSTD0.496

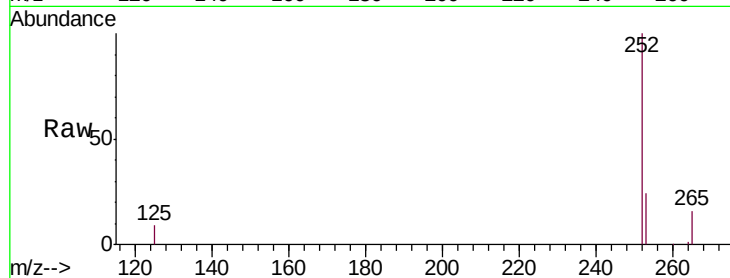
Tgt Ion:252 Resp: 23031

Ion Ratio Lower Upper

252 100

253 24.0 20.3 30.5

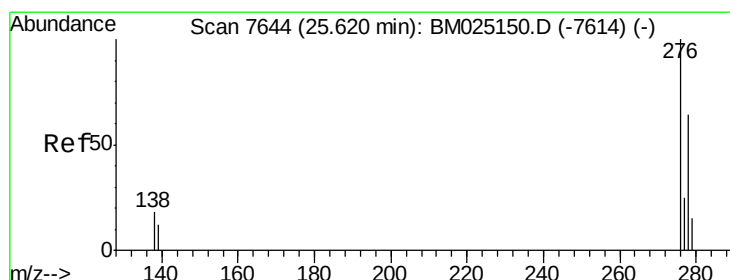
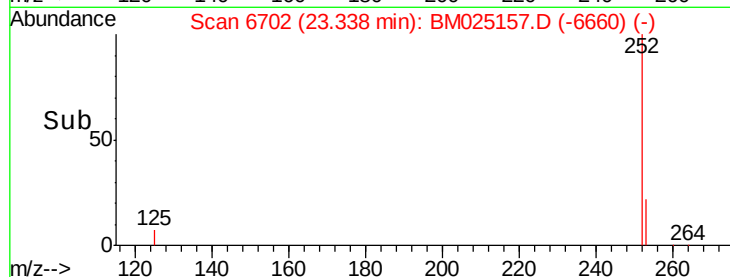
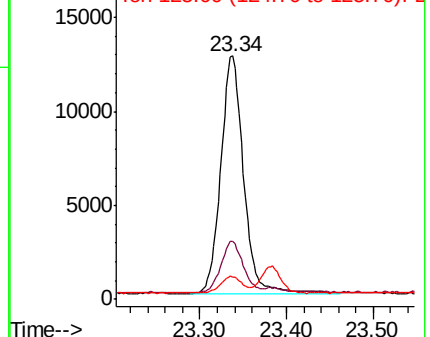
125 9.3 13.0 19.4#



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: 0.427 ng/ul

RT: 25.62 min Scan# 7643

Delta R.T. -0.00 min

Lab File: BM025157.D

Acq: 29 Feb 2020 06:08

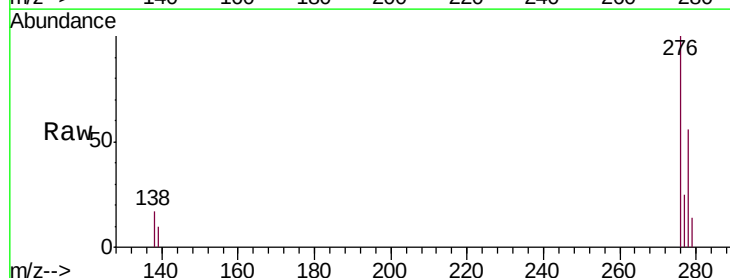
Tgt Ion:276 Resp: 31559

Ion Ratio Lower Upper

276 100

138 17.3 0.0 0.0#

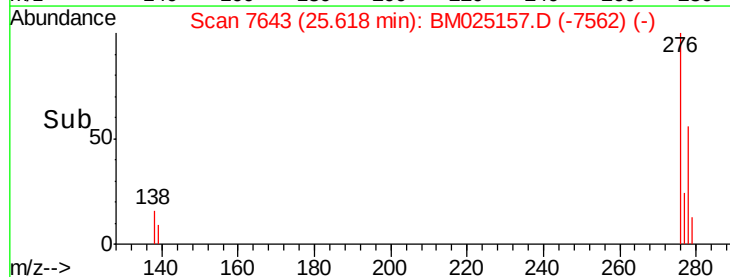
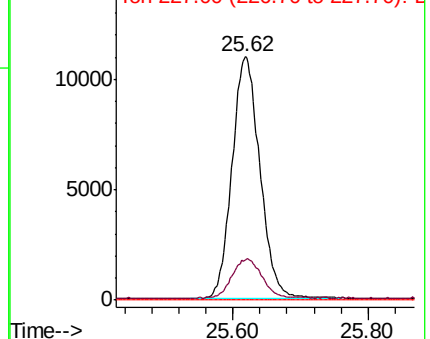
227 0.0 0.0 0.0

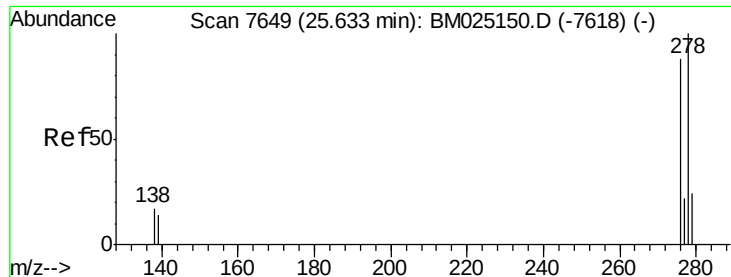


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

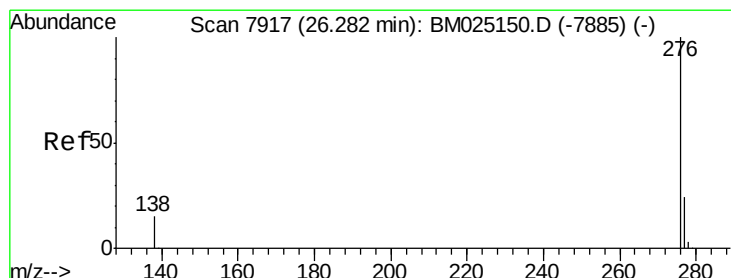
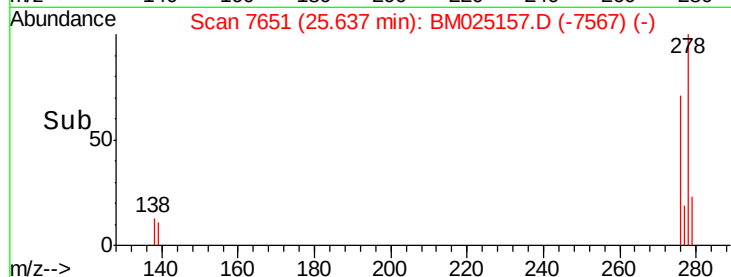
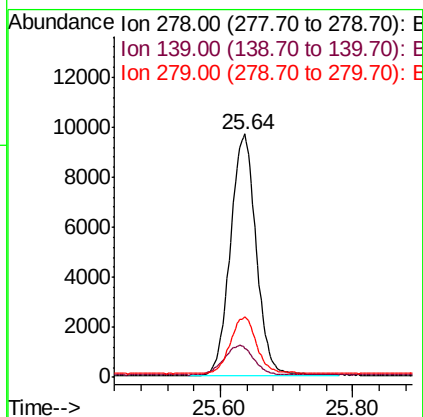
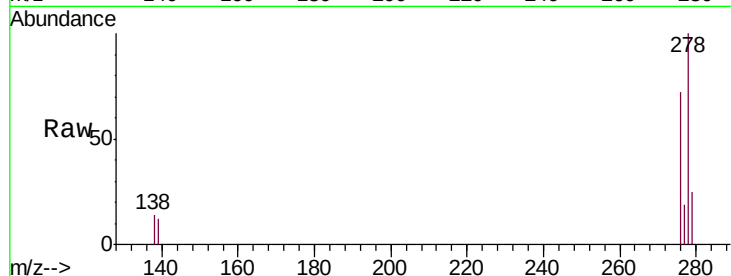




#25
Dibenzo(a,h)anthracene
Concen: 0.424 ng/ul
RT: 25.64 min Scan# 7651
Delta R.T. 0.00 min
Lab File: BM025157.D
Acq: 29 Feb 2020 06:08

Instrument :
BNA_M
ClientSampleId :
SSTD0.496

Tgt Ion: 278 Resp: 26335
Ion Ratio Lower Upper
278 100
139 11.9 13.2 19.8#
279 24.6 21.0 31.4



#26
Benzo(g,h,i)perylene
Concen: 0.414 ng/ul
RT: 26.28 min Scan# 7917
Delta R.T. -0.00 min
Lab File: BM025157.D
Acq: 29 Feb 2020 06:08

Tgt Ion: 276 Resp: 25772
Ion Ratio Lower Upper
276 100
138 15.2 17.9 26.9#
277 24.4 20.5 30.7

