

Data File : BM025234.D
Acq On : 04 Mar 2020 04:28
Operator : CG/JU
Sample : SSTDC00.4
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.484

Quant Time: Mar 04 04:59:49 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 00:52:51 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3955	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	16545	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.31	164	11869	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	28972	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	28686	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	26289	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.04	152	11181	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	33018	0.35	ng/ul	0.00

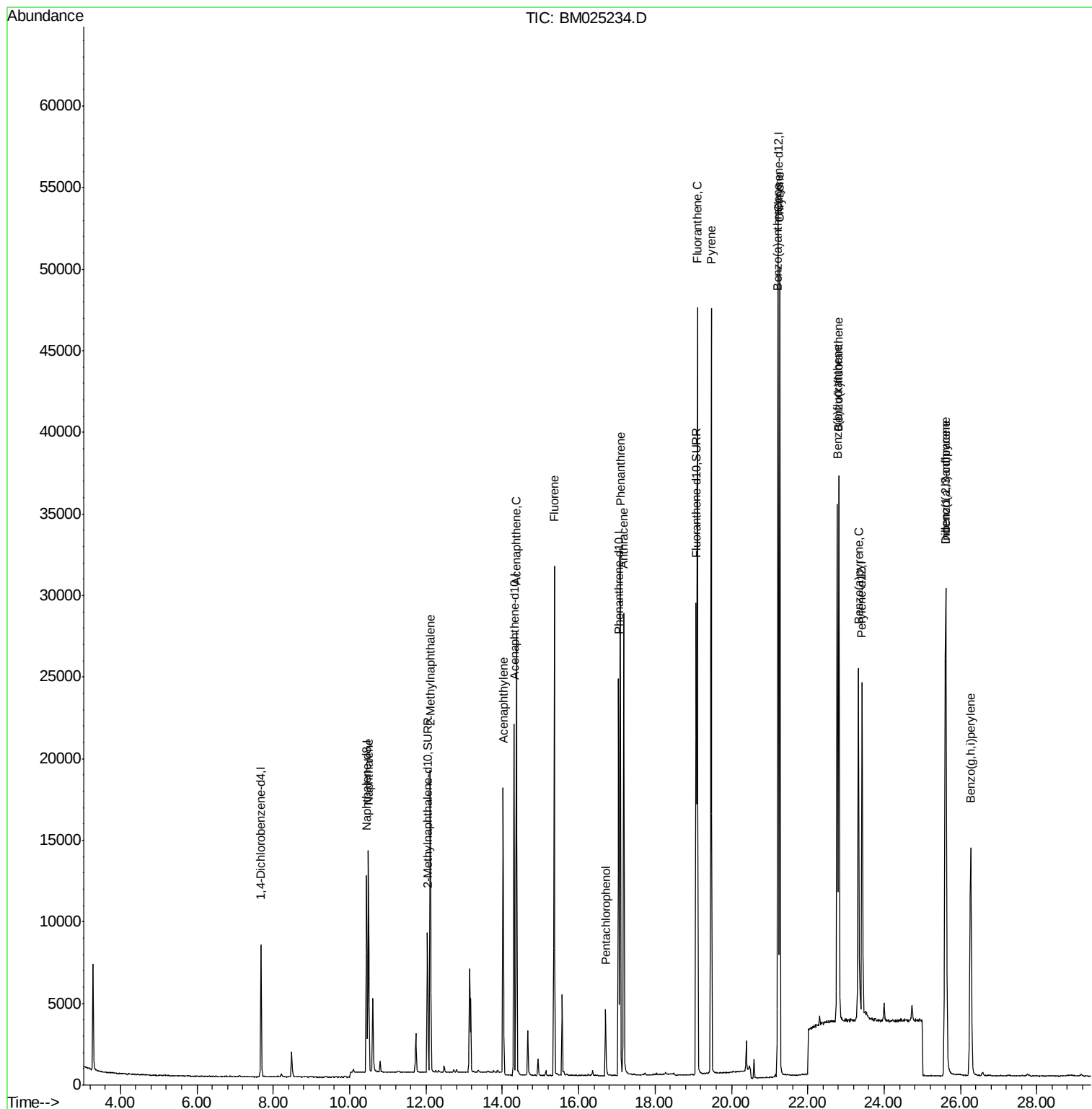
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.49	128	17978	0.361	ng/ul#	83
5) 2-Methylnaphthalene	12.11	142	13063	0.360	ng/ul	98
7) Acenaphthylene	14.02	152	19441	0.350	ng/ul	94
8) Acenaphthene	14.37	153	15372	0.357	ng/ul	99
9) Fluorene	15.36	166	19006	0.352	ng/ul	96
11) Pentachlorophenol	16.70	266	2801	0.369	ng/ul	99
12) Phenanthrene	17.09	178	33336	0.357	ng/ul	95
13) Anthracene	17.18	178	29797	0.359	ng/ul	94
15) Fluoranthene	19.11	202	41228	0.353	ng/ul	95
17) Pyrene	19.47	202	40722	0.374	ng/ul	95
18) Benzo(a)anthracene	21.21	228	39272	0.372	ng/ul	98
19) Chrysene	21.27	228	42230	0.364	ng/ul	97
21) Benzo(b)fluoranthene	22.77	252	38572	0.367	ng/ul	92
22) Benzo(k)fluoranthene	22.81	252	40752	0.369	ng/ul#	96
23) Benzo(a)pyrene	23.32	252	32368	0.367	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.60	276	37482	0.341	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.62	278	31232	0.342	ng/ul#	94
26) Benzo(g,h,i)perylene	26.26	276	30151	0.323	ng/ul#	90

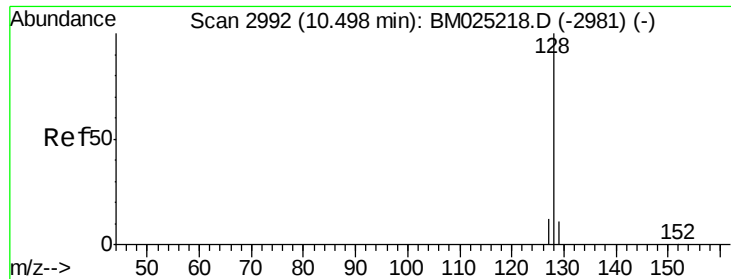
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BM025234.D
Acq On : 04 Mar 2020 04:28
Operator : CG/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_M
Client Sample ID :
SSTD0.484

Quant Time: Mar 04 04:59:49 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 00:52:51 2020
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.361 ng/ul

RT: 10.49 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BM025234.D

Acq: 04 Mar 2020 04:28

Instrument :

BNA_M

ClientSampleId :

SSTD0.484

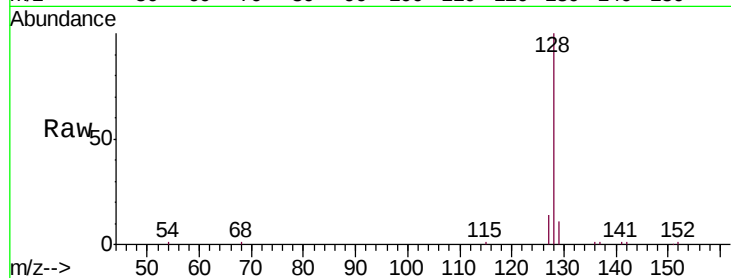
Tgt Ion:128 Resp: 17978

Ion Ratio Lower Upper

128 100

129 11.3 17.0 25.6#

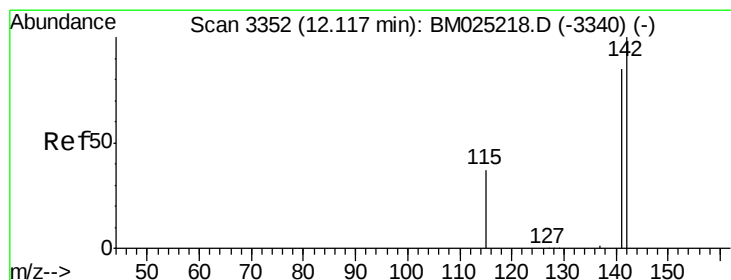
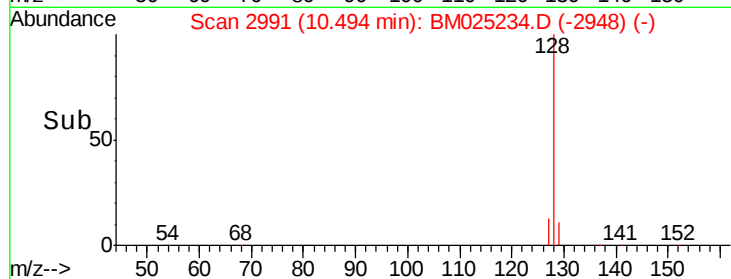
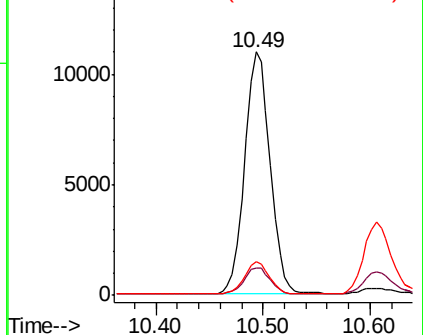
127 13.6 15.7 23.5#



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: 0.360 ng/ul

RT: 12.11 min Scan# 3351

Delta R.T. -0.00 min

Lab File: BM025234.D

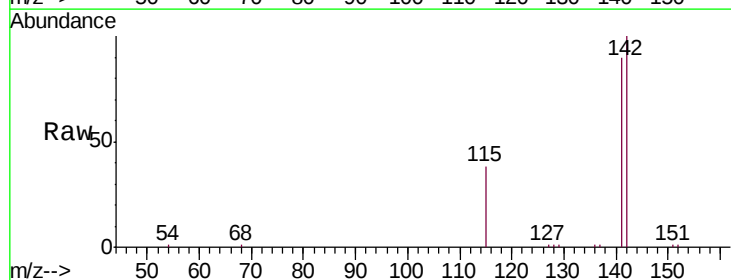
Acq: 04 Mar 2020 04:28

Tgt Ion:142 Resp: 13063

Ion Ratio Lower Upper

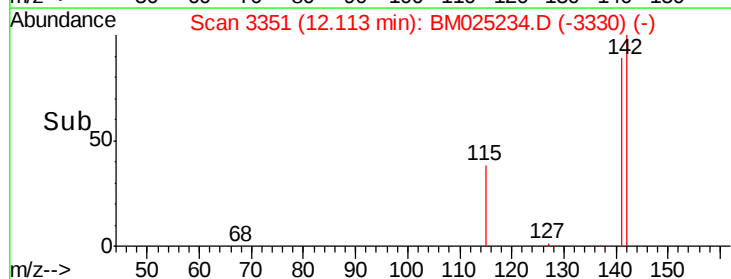
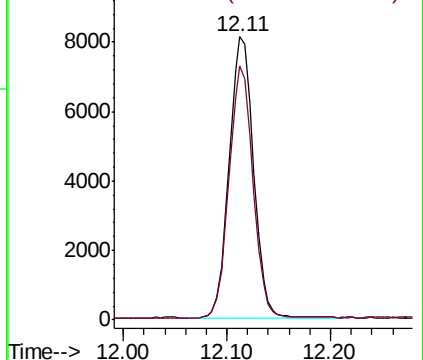
142 100

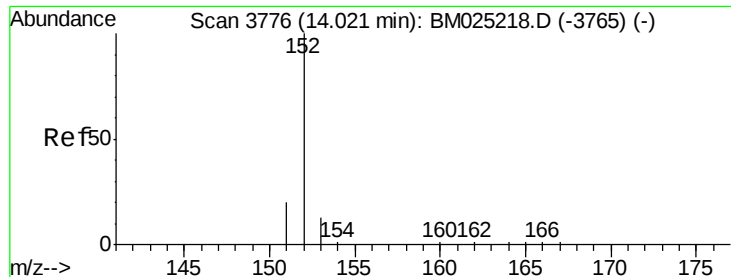
141 88.8 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.350 ng/ul

RT: 14.02 min Scan# 3776

Delta R.T. 0.00 min

Lab File: BM025234.D

Acq: 04 Mar 2020 04:28

Instrument :

BNA_M

ClientSampleId :

SSTD0.484

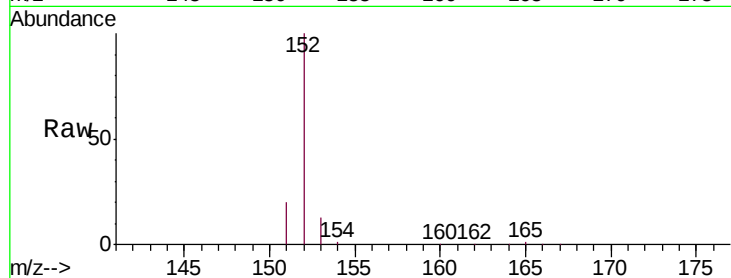
Tgt Ion:152 Resp: 19441

Ion Ratio Lower Upper

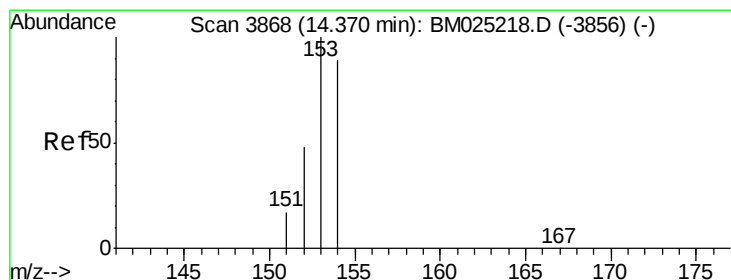
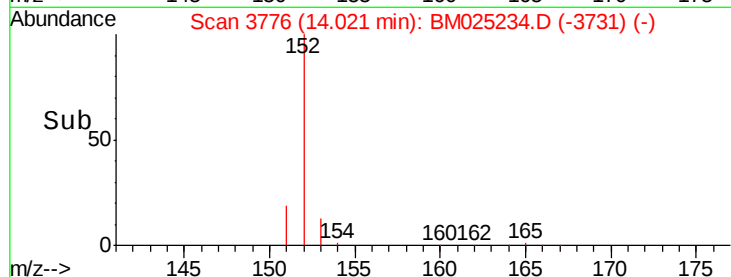
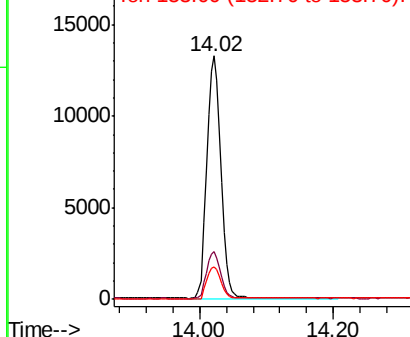
152 100

151 19.8 17.8 26.8

153 13.4 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: 0.357 ng/ul

RT: 14.37 min Scan# 3867

Delta R.T. -0.00 min

Lab File: BM025234.D

Acq: 04 Mar 2020 04:28

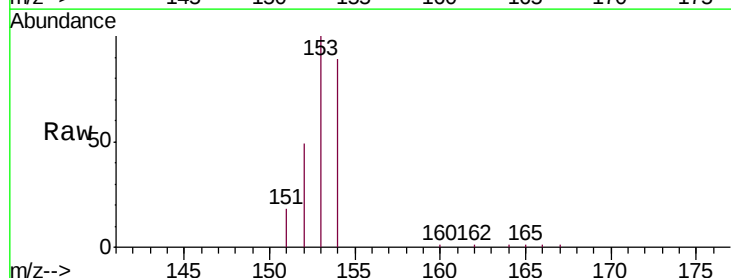
Tgt Ion:153 Resp: 15372

Ion Ratio Lower Upper

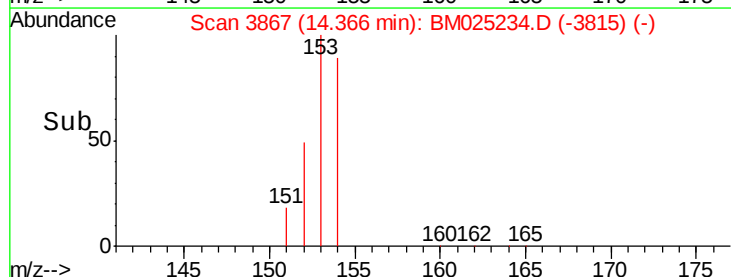
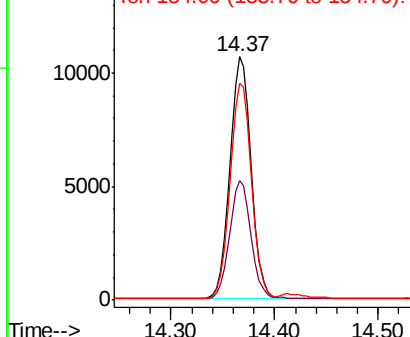
153 100

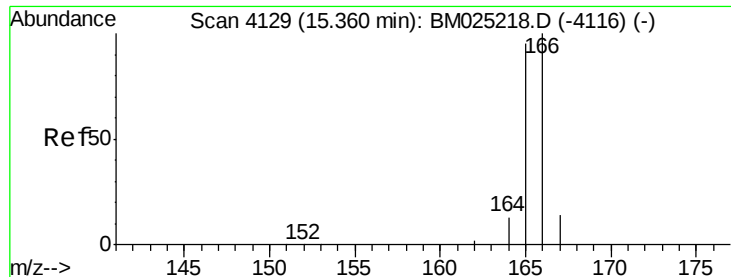
152 49.2 40.0 60.0

154 89.1 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





#9

Fluorene

Concen: 0.352 ng/ul

RT: 15.36 min Scan# 4128

Delta R.T. -0.00 min

Lab File: BM025234.D

Acq: 04 Mar 2020 04:28

Instrument :

BNA_M

ClientSampleId :

SSTD0.484

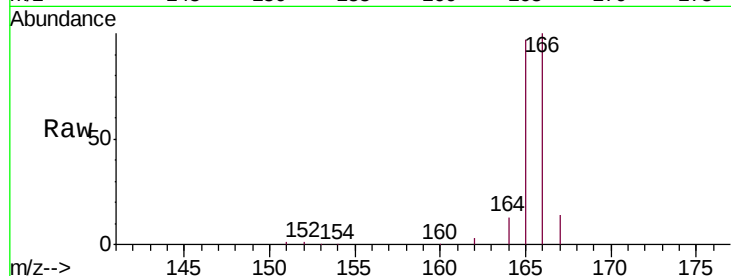
Tgt Ion:166 Resp: 19006

Ion Ratio Lower Upper

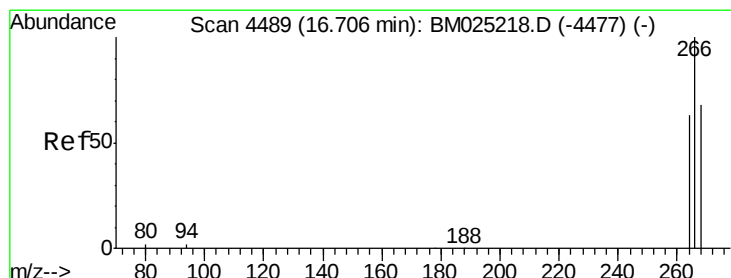
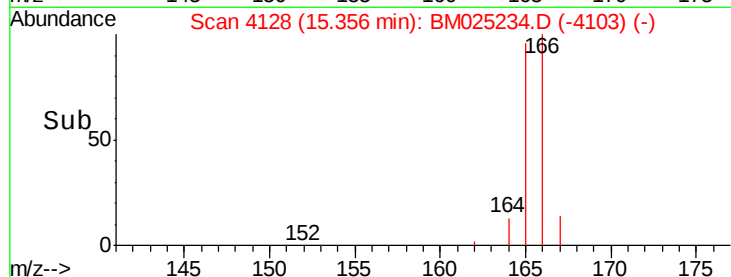
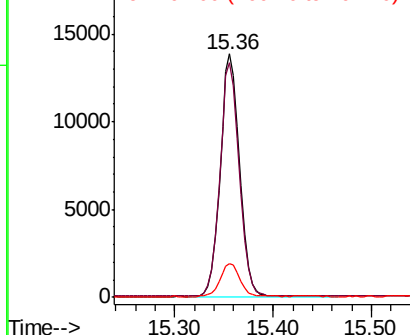
166 100

165 96.6 80.0 120.0

167 14.0 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



#11

Pentachlorophenol

Concen: 0.369 ng/ul

RT: 16.70 min Scan# 4488

Delta R.T. -0.00 min

Lab File: BM025234.D

Acq: 04 Mar 2020 04:28

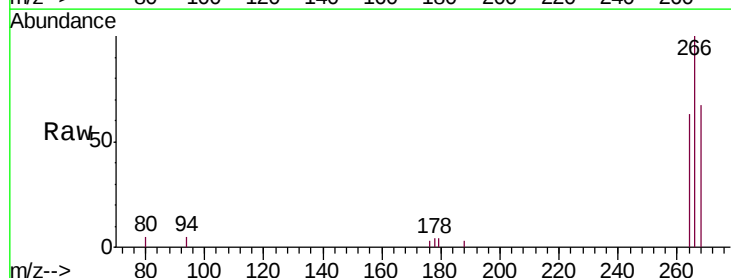
Tgt Ion:266 Resp: 2801

Ion Ratio Lower Upper

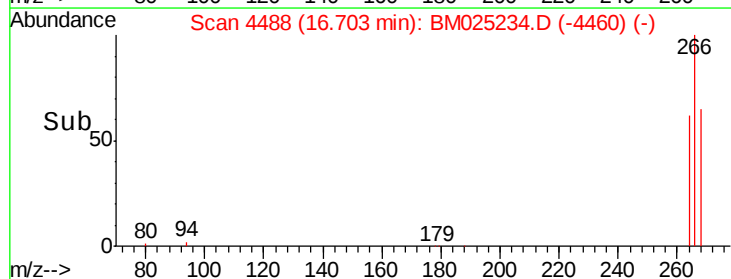
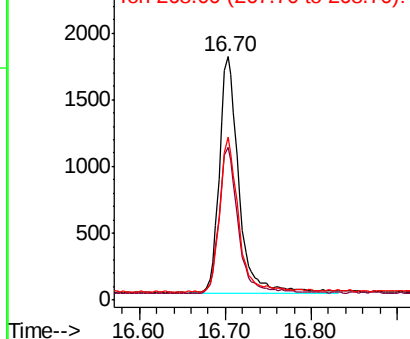
266 100

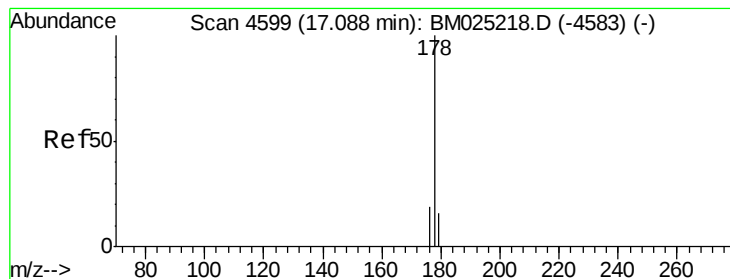
264 61.9 49.8 74.6

268 62.8 49.0 73.4



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.357 ng/ul

RT: 17.09 min Scan# 4599

Delta R.T. 0.00 min

Lab File: BM025234.D

Acq: 04 Mar 2020 04:28

Instrument :

BNA_M

ClientSampleId :

SSTD0.484

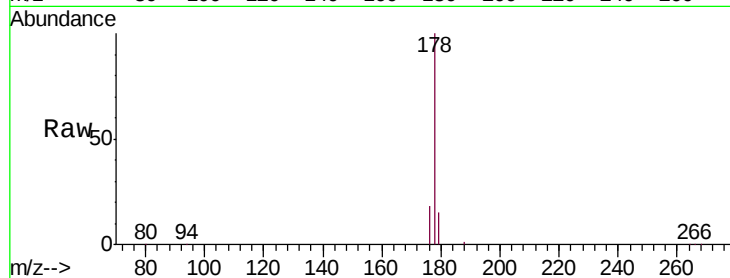
Tgt Ion:178 Resp: 33336

Ion Ratio Lower Upper

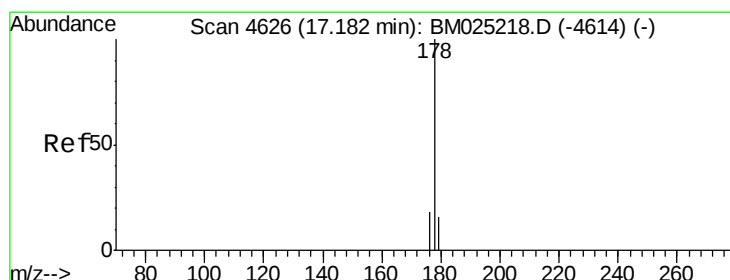
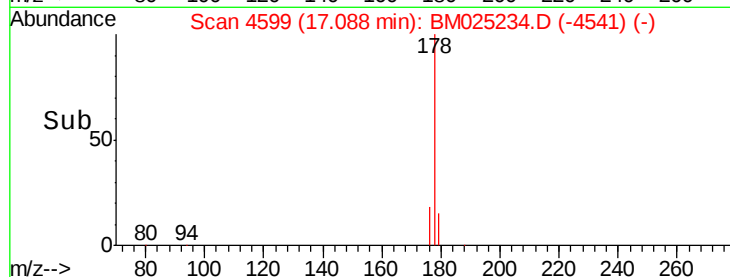
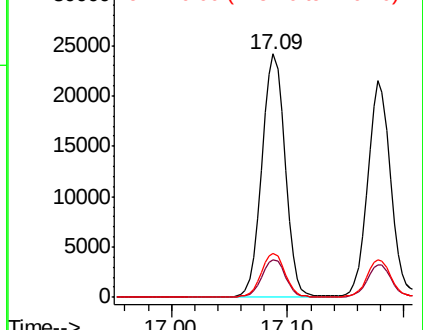
178 100

179 15.4 14.0 21.0

176 18.2 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: 0.359 ng/ul

RT: 17.18 min Scan# 4625

Delta R.T. -0.00 min

Lab File: BM025234.D

Acq: 04 Mar 2020 04:28

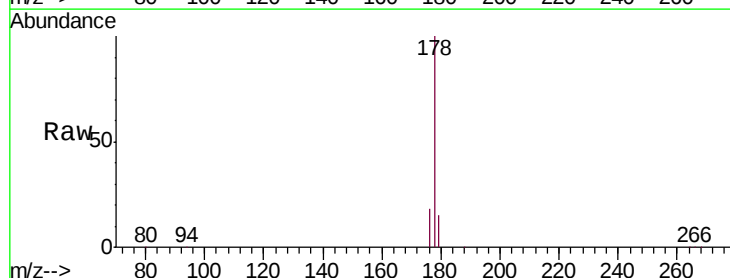
Tgt Ion:178 Resp: 29797

Ion Ratio Lower Upper

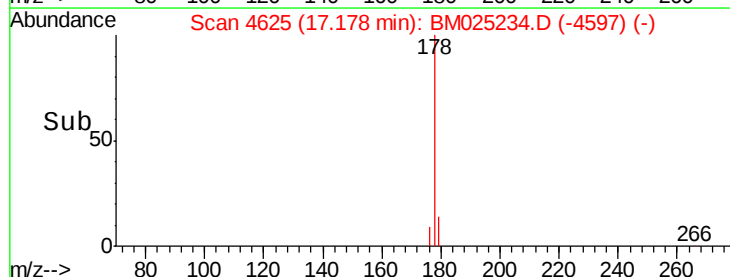
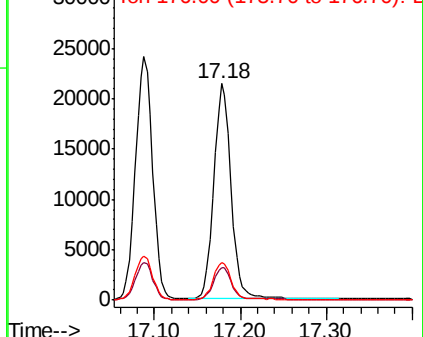
178 100

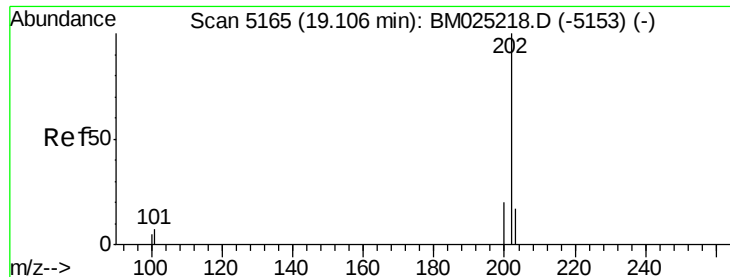
179 15.2 14.1 21.1

176 17.6 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: 0.353 ng/ul

RT: 19.11 min Scan# 5165

Delta R.T. -0.00 min

Lab File: BM025234.D

Acq: 04 Mar 2020 04:28

Instrument :

BNA_M

ClientSampleId :

SSTD0.484

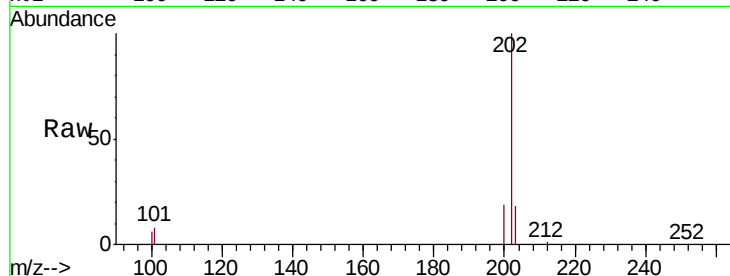
Tgt Ion:202 Resp: 41228

Ion Ratio Lower Upper

202 100

101 7.8 0.0 29.4

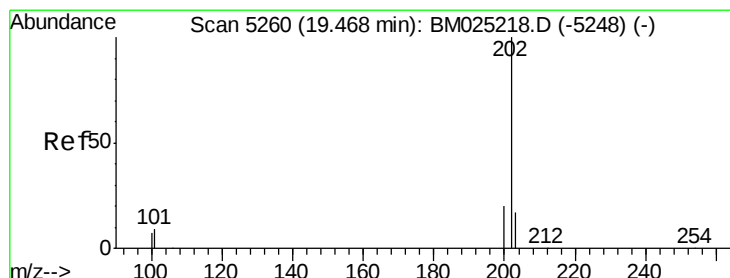
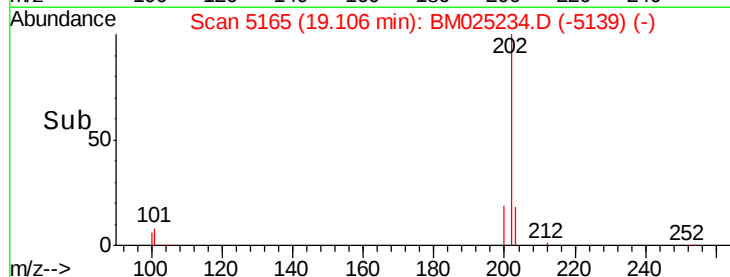
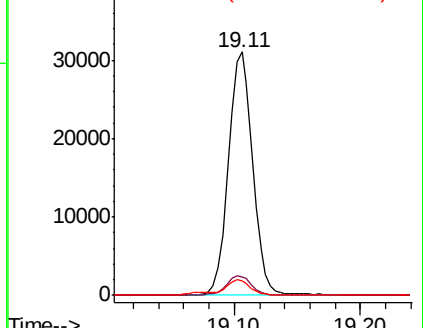
100 6.1 0.0 28.0



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: 0.374 ng/ul

RT: 19.47 min Scan# 5260

Delta R.T. -0.00 min

Lab File: BM025234.D

Acq: 04 Mar 2020 04:28

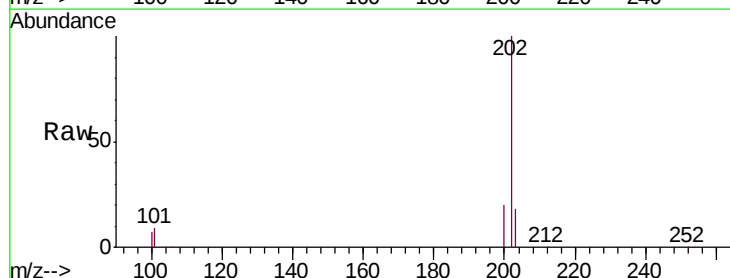
Tgt Ion:202 Resp: 40722

Ion Ratio Lower Upper

202 100

101 9.0 8.7 13.1

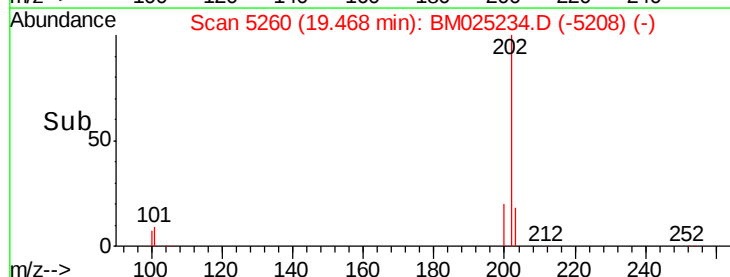
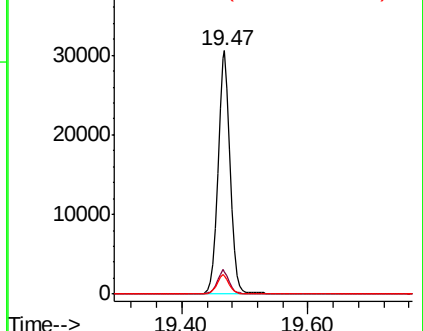
100 7.4 7.3 10.9

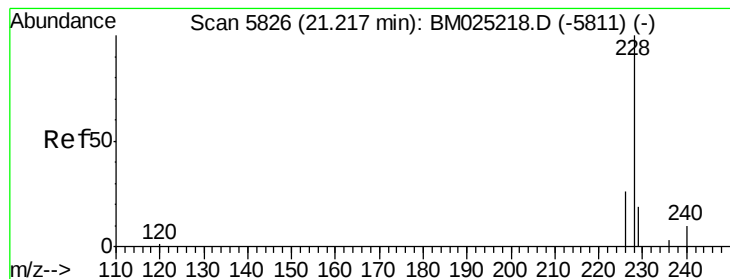


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.372 ng/ul

RT: 21.21 min Scan# 5825

Delta R.T. -0.00 min

Lab File: BM025234.D

Acq: 04 Mar 2020 04:28

Instrument :

BNA_M

ClientSampleId :

SSTD0.484

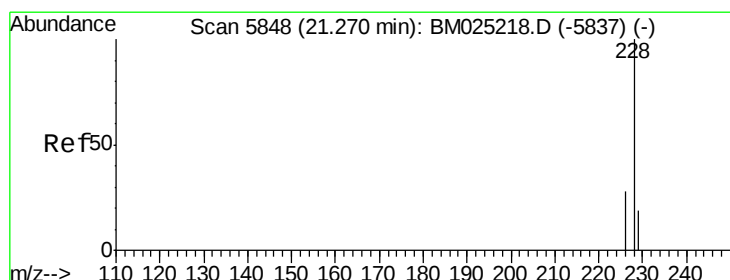
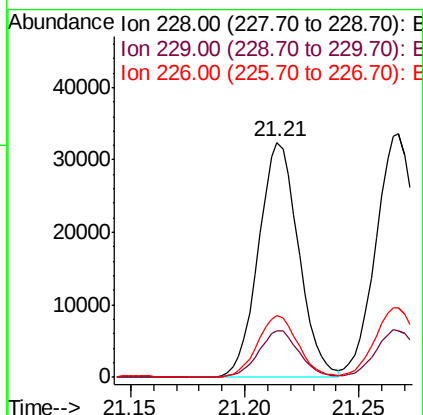
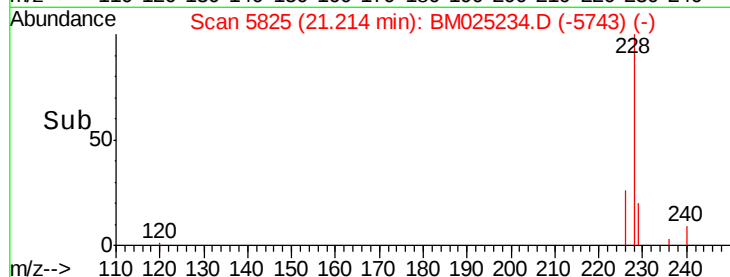
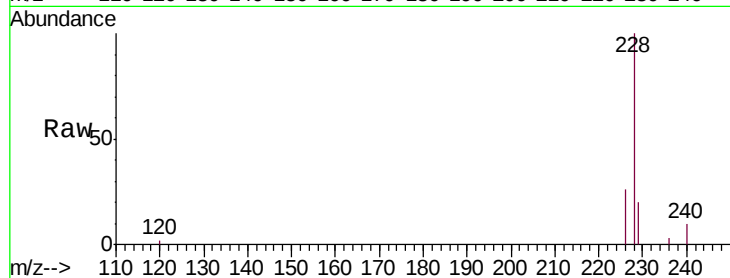
Tgt Ion:228 Resp: 39272

Ion Ratio Lower Upper

228 100

229 19.8 16.6 25.0

226 26.3 21.9 32.9



#19

Chrysene

Concen: 0.364 ng/ul

RT: 21.27 min Scan# 5847

Delta R.T. -0.00 min

Lab File: BM025234.D

Acq: 04 Mar 2020 04:28

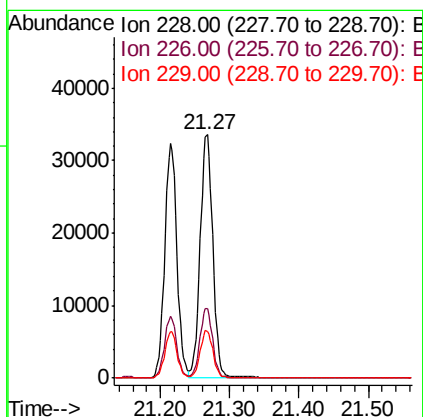
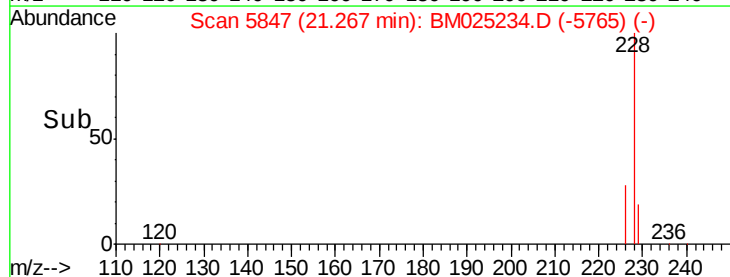
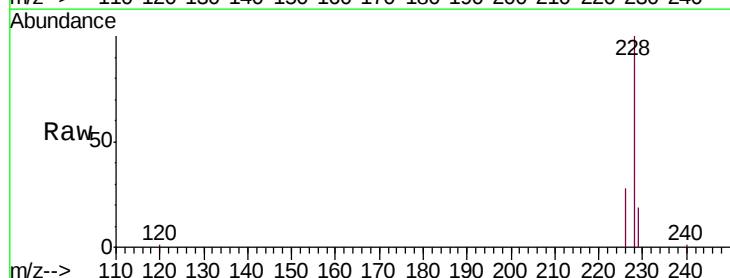
Tgt Ion:228 Resp: 42230

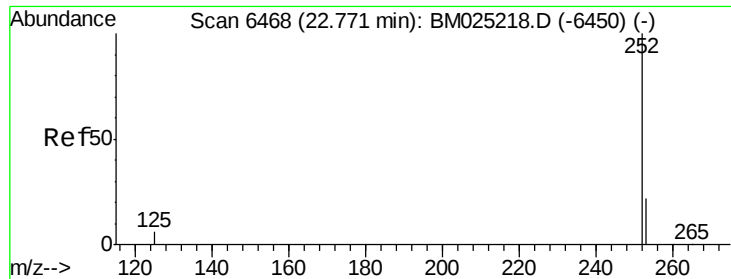
Ion Ratio Lower Upper

228 100

226 28.3 23.8 35.8

229 19.3 16.9 25.3





#21

Benzo(b)fluoranthene

Concen: 0.367 ng/ul

RT: 22.77 min Scan# 6467

Delta R.T. -0.00 min

Lab File: BM025234.D

Acq: 04 Mar 2020 04:28

Instrument :

BNA_M

ClientSampleId :

SSTD0.484

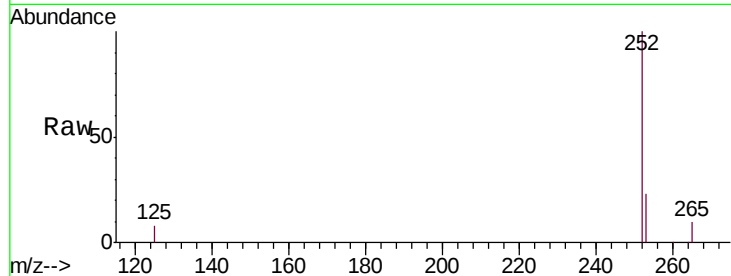
Tgt Ion:252 Resp: 38572

Ion Ratio Lower Upper

252 100

253 23.2 0.0 49.8

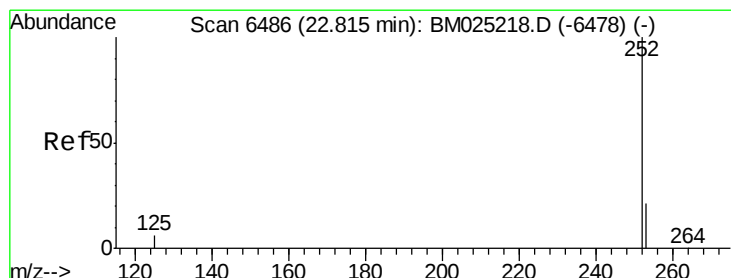
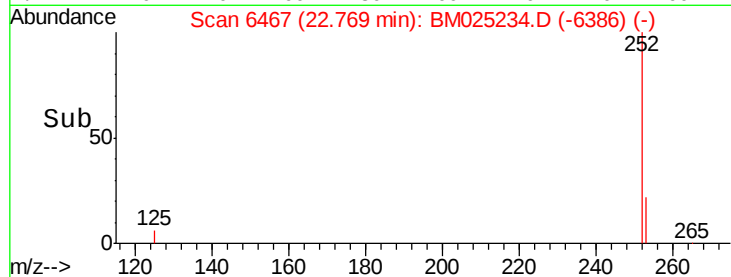
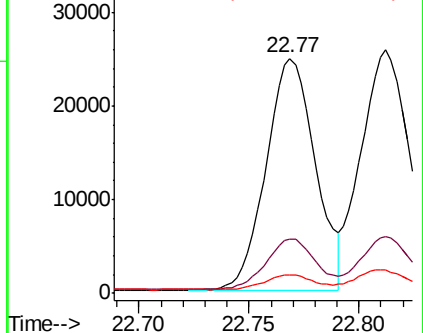
125 8.0 0.0 28.6



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: 0.369 ng/ul

RT: 22.81 min Scan# 6485

Delta R.T. -0.00 min

Lab File: BM025234.D

Acq: 04 Mar 2020 04:28

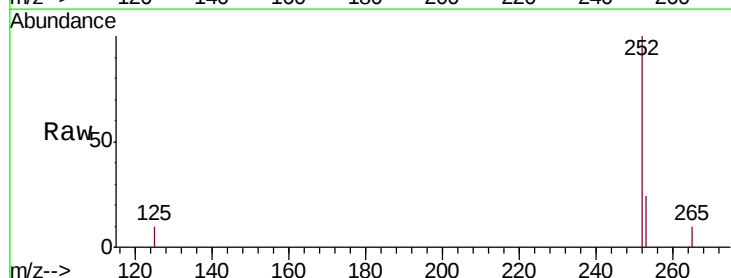
Tgt Ion:252 Resp: 40752

Ion Ratio Lower Upper

252 100

253 23.5 19.4 29.0

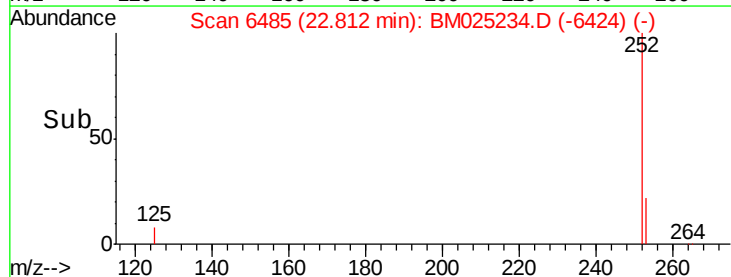
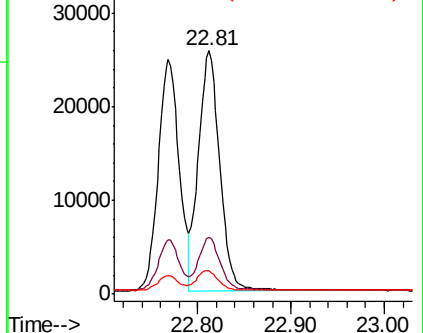
125 9.8 10.7 16.1#

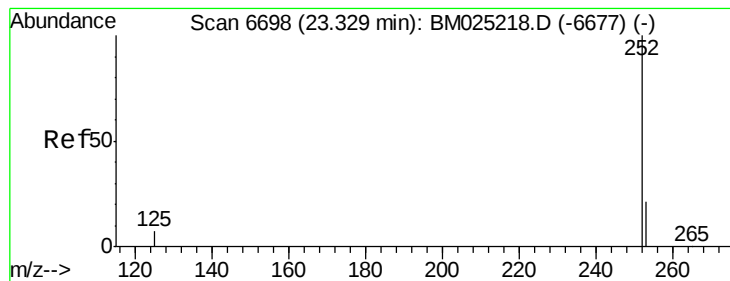


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.367 ng/ul

RT: 23.32 min Scan# 6696

Delta R.T. -0.01 min

Lab File: BM025234.D

Acq: 04 Mar 2020 04:28

Instrument :

BNA_M

ClientSampleId :

SSTD0.484

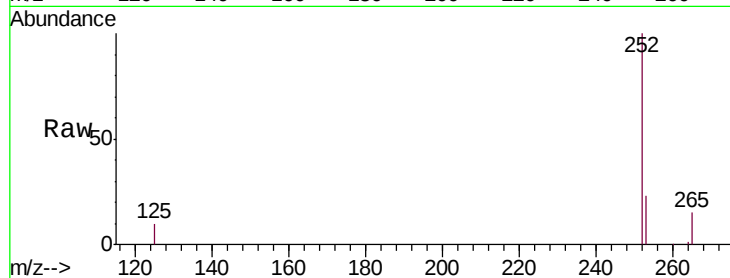
Tgt Ion:252 Resp: 32368

Ion Ratio Lower Upper

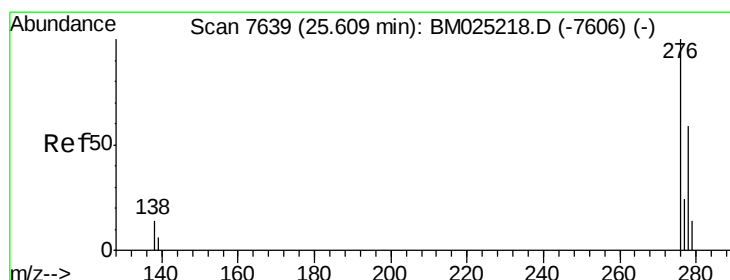
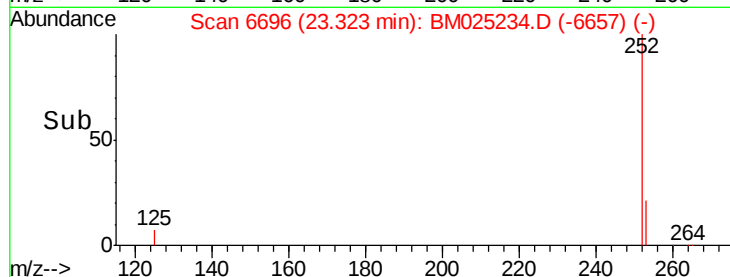
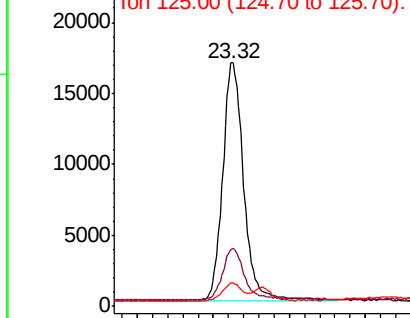
252 100

253 23.4 20.3 30.5

125 9.5 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: 0.341 ng/ul

RT: 25.60 min Scan# 7637

Delta R.T. -0.01 min

Lab File: BM025234.D

Acq: 04 Mar 2020 04:28

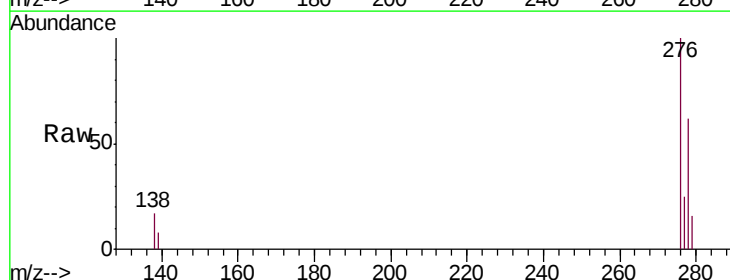
Tgt Ion:276 Resp: 37482

Ion Ratio Lower Upper

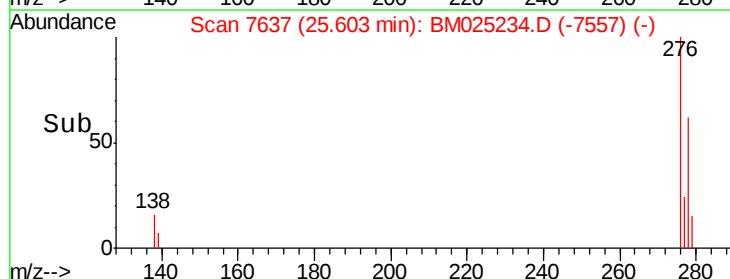
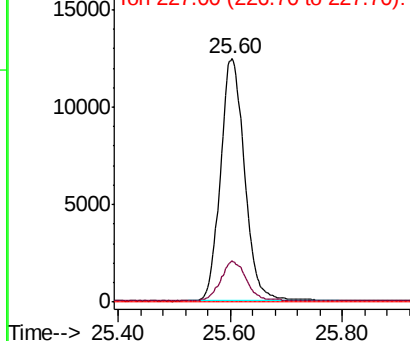
276 100

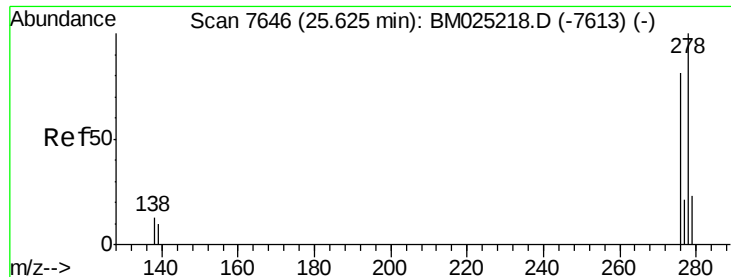
138 16.8 0.0 0.0#

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

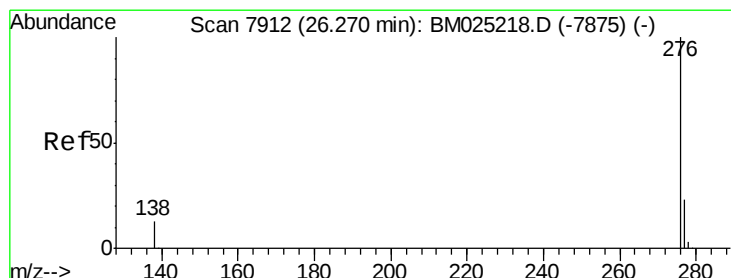
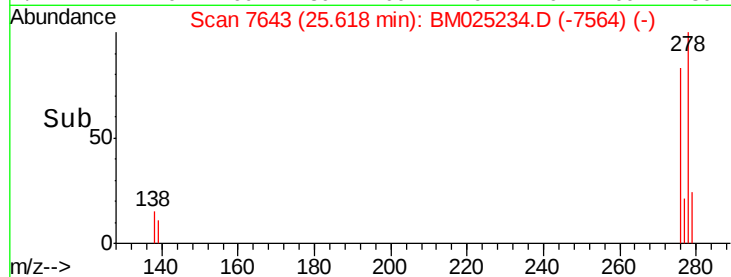
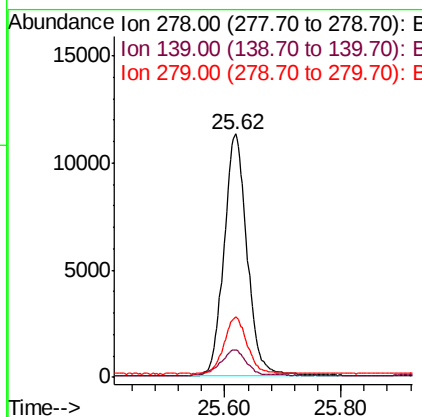
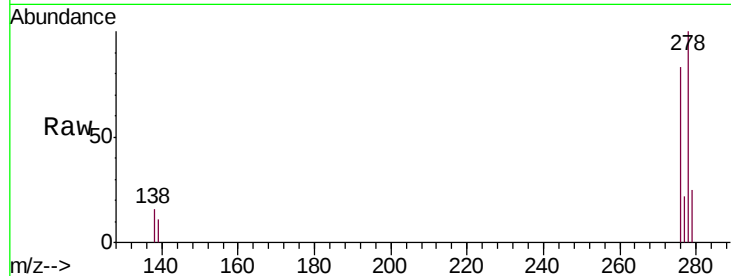




#25
Dibenzo(a,h)anthracene
Concen: 0.342 ng/ul
RT: 25.62 min Scan# 7643
Delta R.T. -0.01 min
Lab File: BM025234.D
Acq: 04 Mar 2020 04:28

Instrument :
BNA_M
ClientSampleId :
SSTD0.484

Tgt Ion: 278 Resp: 31232
Ion Ratio Lower Upper
278 100
139 11.4 13.2 19.8#
279 25.0 21.0 31.4



#26
Benzo(g,h,i)perylene
Concen: 0.323 ng/ul
RT: 26.26 min Scan# 7909
Delta R.T. -0.01 min
Lab File: BM025234.D
Acq: 04 Mar 2020 04:28

Tgt Ion: 276 Resp: 30151
Ion Ratio Lower Upper
276 100
138 14.0 17.9 26.9#
277 24.0 20.5 30.7

