

Data File : BM022083.D
Acq On : 13 Aug 2019 23:05
Operator : HP/JU
Sample : SSTDC00.4
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.456

Quant Time: Aug 14 07:22:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 07:18:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	454	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	2210	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.28	164	1193	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	2656	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	2507	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	2666	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	1450	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.07	212	3289	0.37	ng/ul	0.00

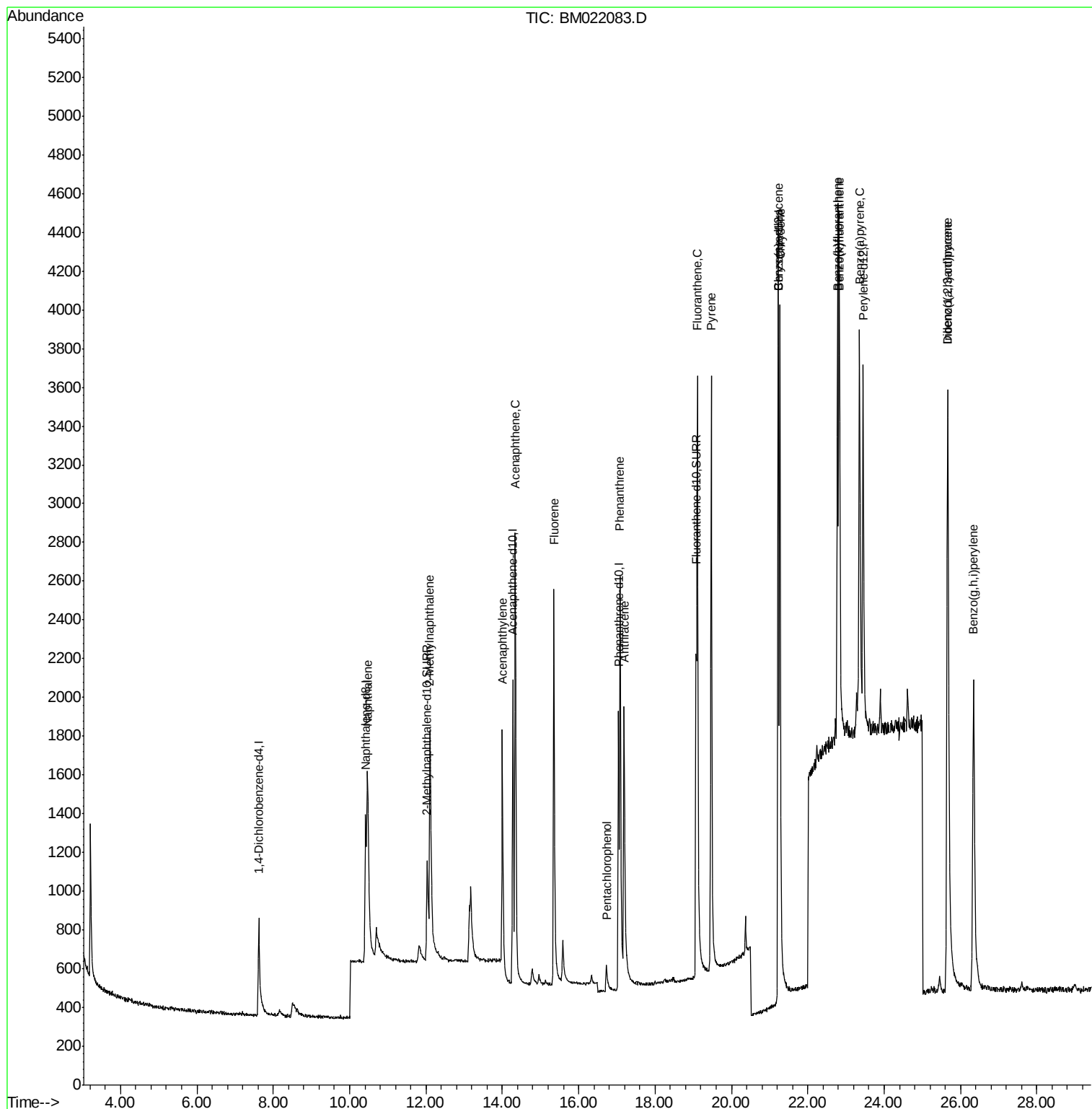
Target Compounds				Qvalue		
3) Naphthalene	10.47	128	2446	0.392	ng/ul#	93
5) 2-Methylnaphthalene	12.11	142	1681	0.404	ng/ul	100
7) Acenaphthylene	14.00	152	2121	0.381	ng/ul#	83
8) Acenaphthene	14.34	153	1885	0.414	ng/ul	97
9) Fluorene	15.35	166	1973	0.390	ng/ul	100
11) Pentachlorophenol	16.72	266	190	0.388	ng/ul	100
12) Phenanthrene	17.08	178	3045	0.394	ng/ul	95
13) Anthracene	17.19	178	2643	0.401	ng/ul	97
15) Fluoranthene	19.11	202	3762	0.363	ng/ul	96
17) Pyrene	19.47	202	4025	0.391	ng/ul#	94
18) Benzo(a)anthracene	21.22	228	3564	0.397	ng/ul	99
19) Chrysene	21.27	228	4430	0.384	ng/ul	98
21) Benzo(b)fluoranthene	22.78	252	3922	0.436	ng/ul	99
22) Benzo(k)fluoranthene	22.83	252	4381	0.431	ng/ul	98
23) Benzo(a)pyrene	23.35	252	3978	0.435	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.66	276	4827	0.442	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.67	278	3837	0.435	ng/ul	99
26) Benzo(g,h,i)perylene	26.34	276	4207	0.428	ng/ul	95

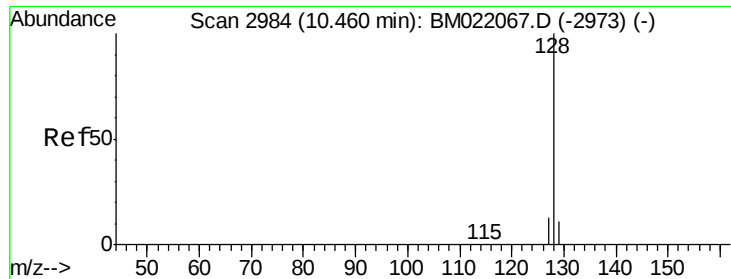
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.392 ng/ul

RT: 10.47 min Scan# 2986

Delta R.T. 0.01 min

Lab File: BM022083.D

Acq: 13 Aug 2019 23:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

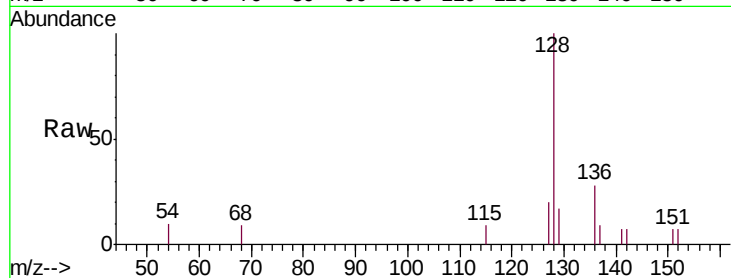
Tgt Ion:128 Resp: 2446

Ion Ratio Lower Upper

128 100

129 17.2 12.3 18.5

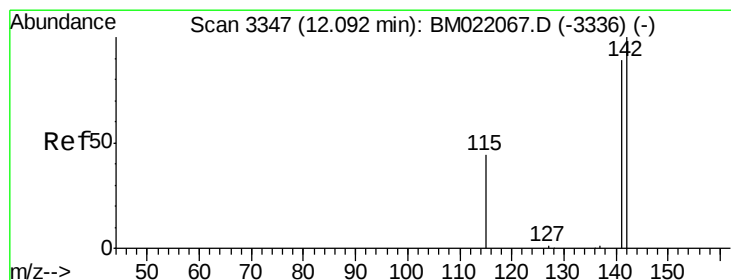
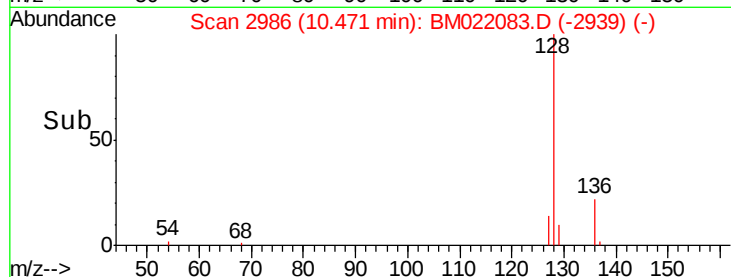
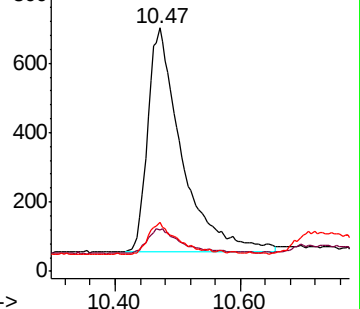
127 19.9 13.0 19.6#



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: 0.404 ng/ul

RT: 12.11 min Scan# 3350

Delta R.T. 0.02 min

Lab File: BM022083.D

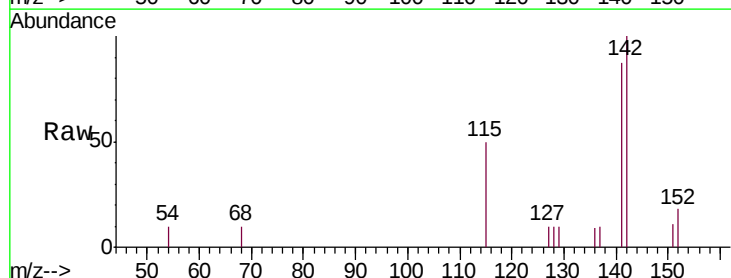
Acq: 13 Aug 2019 23:05

Tgt Ion:142 Resp: 1681

Ion Ratio Lower Upper

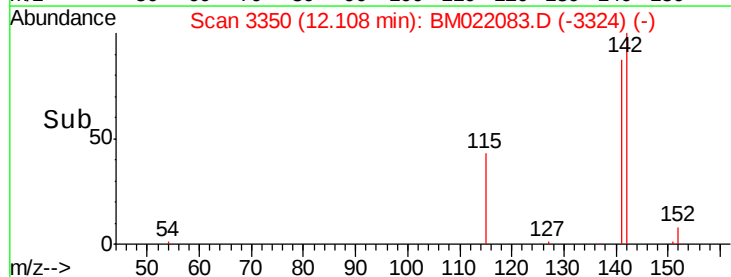
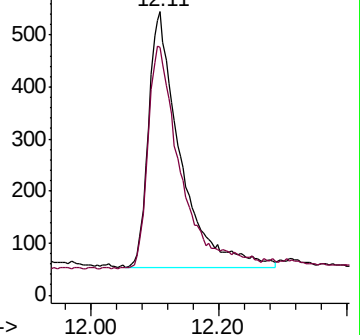
142 100

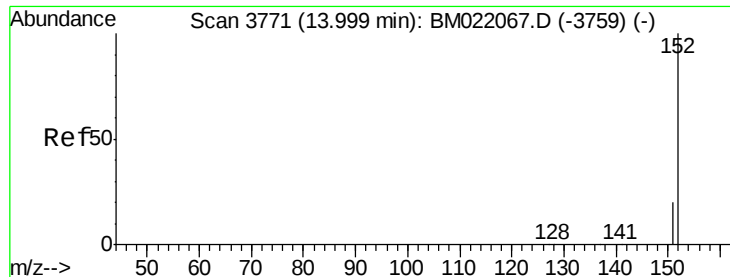
141 92.7 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.381 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. 0.00 min

Lab File: BM022083.D

Acq: 13 Aug 2019 23:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

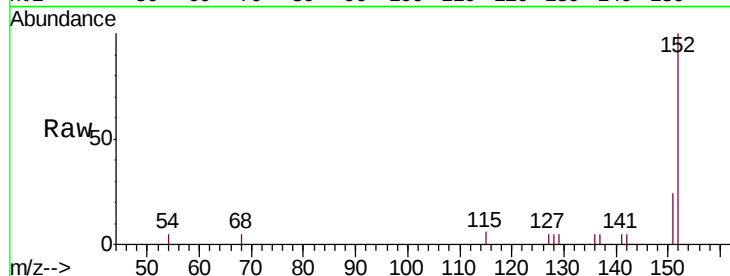
Tgt Ion:152 Resp: 2121

Ion Ratio Lower Upper

152 100

151 24.4 18.3 27.5

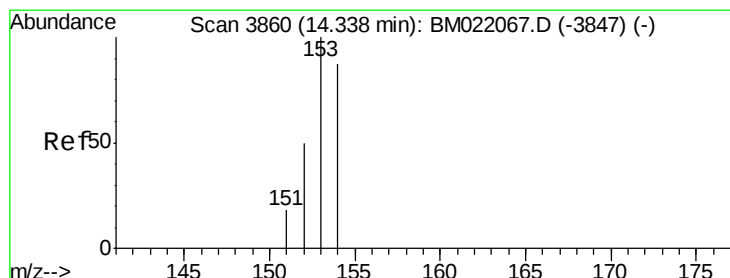
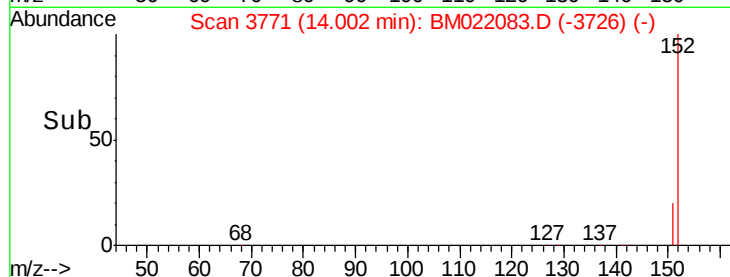
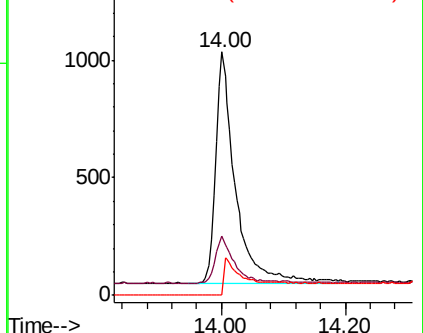
153 0.0 12.8 19.2#



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: 0.414 ng/ul

RT: 14.34 min Scan# 3860

Delta R.T. 0.00 min

Lab File: BM022083.D

Acq: 13 Aug 2019 23:05

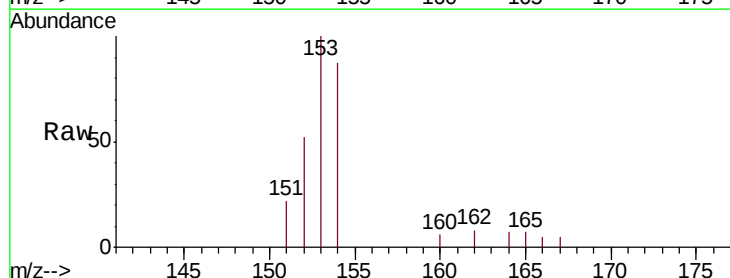
Tgt Ion:153 Resp: 1885

Ion Ratio Lower Upper

153 100

152 52.4 41.3 61.9

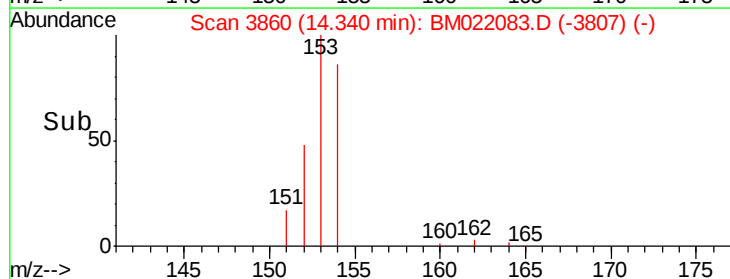
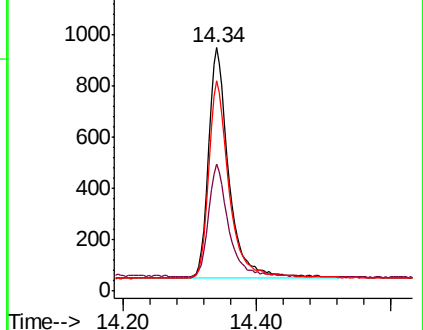
154 86.6 72.3 108.5

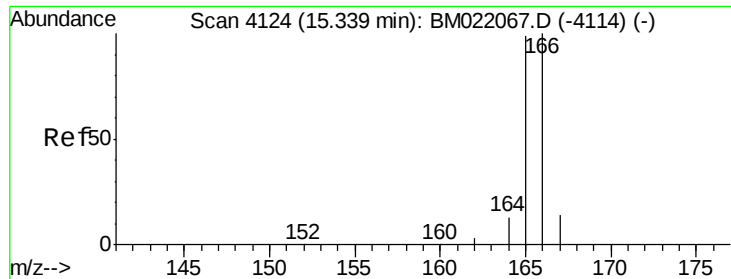


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.390 ng/ul

RT: 15.35 min Scan# 4126

Delta R.T. 0.01 min

Lab File: BM022083.D

Acq: 13 Aug 2019 23:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

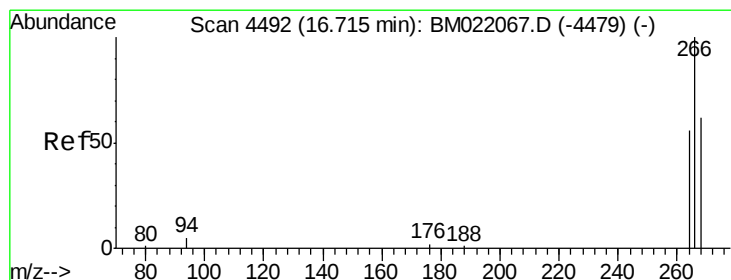
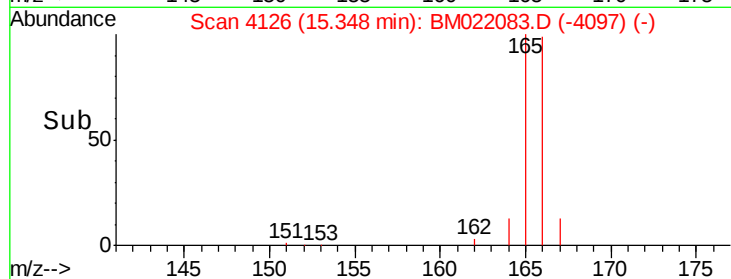
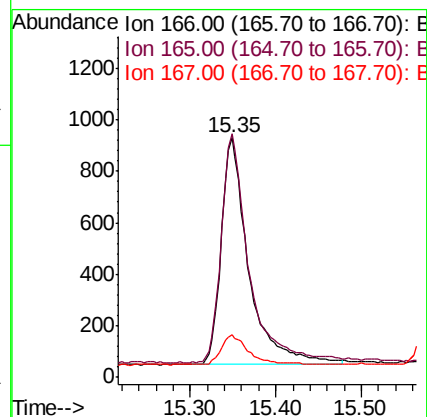
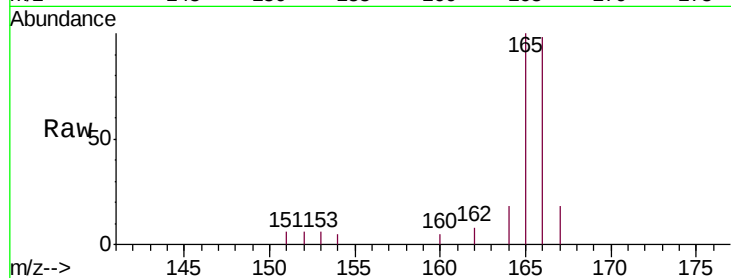
Tgt Ion:166 Resp: 1973

Ion Ratio Lower Upper

166 100

165 101.6 81.4 122.0

167 18.1 13.7 20.5



#11

Pentachlorophenol

Concen: 0.388 ng/ul

RT: 16.72 min Scan# 4492

Delta R.T. 0.00 min

Lab File: BM022083.D

Acq: 13 Aug 2019 23:05

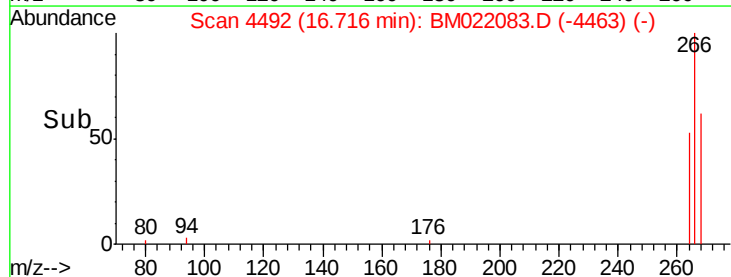
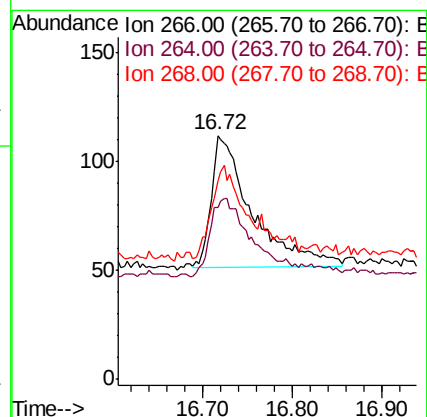
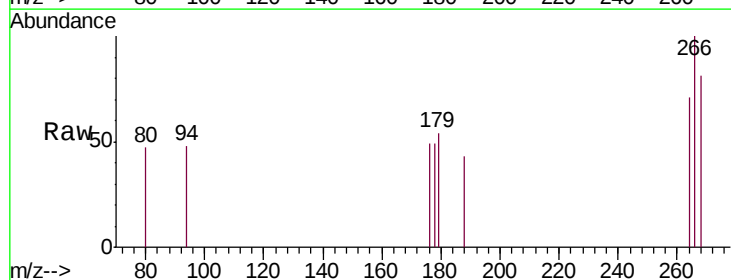
Tgt Ion:266 Resp: 190

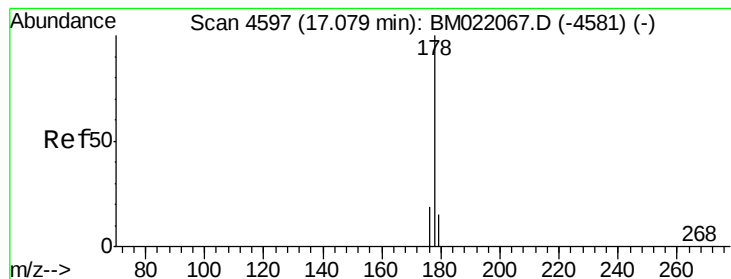
Ion Ratio Lower Upper

266 100

264 68.4 54.2 81.2

268 72.1 57.6 86.4





#12

Phenanthrene

Concen: 0.394 ng/ul

RT: 17.08 min Scan# 4598

Delta R.T. 0.01 min

Lab File: BM022083.D

Acq: 13 Aug 2019 23:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

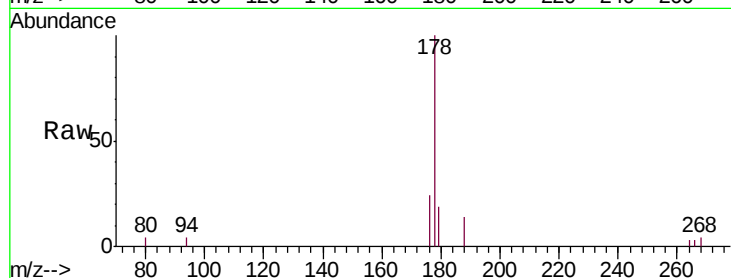
Tgt Ion:178 Resp: 3045

Ion Ratio Lower Upper

178 100

179 19.3 14.2 21.2

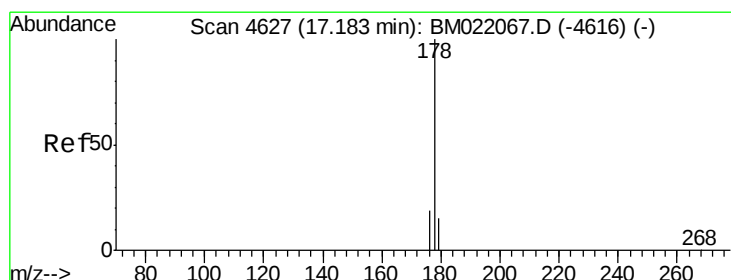
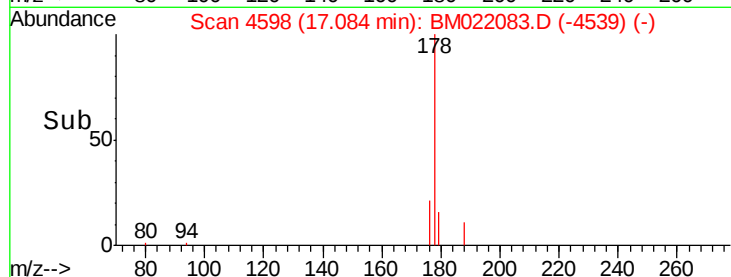
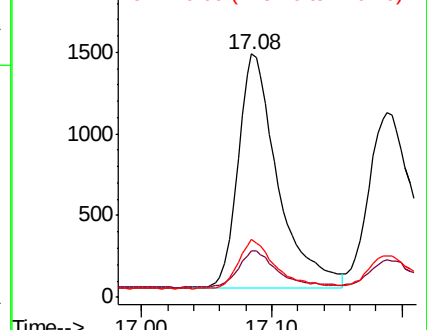
176 23.9 16.8 25.2



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: 0.401 ng/ul

RT: 17.19 min Scan# 4628

Delta R.T. 0.01 min

Lab File: BM022083.D

Acq: 13 Aug 2019 23:05

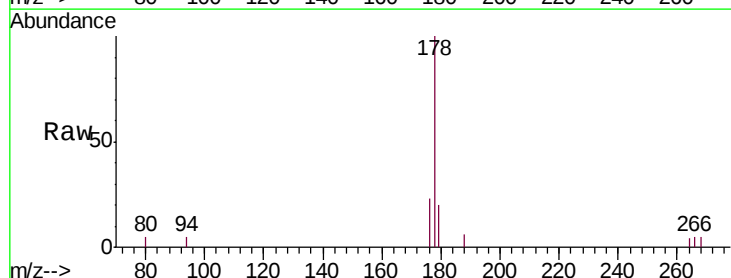
Tgt Ion:178 Resp: 2643

Ion Ratio Lower Upper

178 100

179 20.0 15.5 23.3

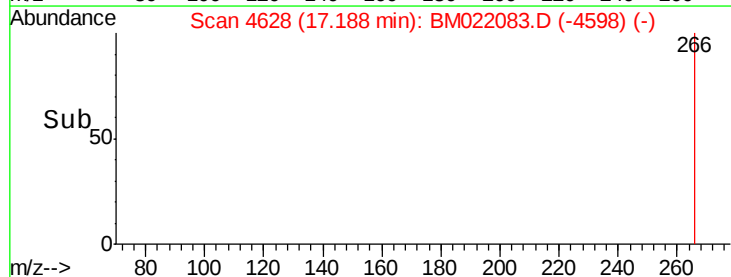
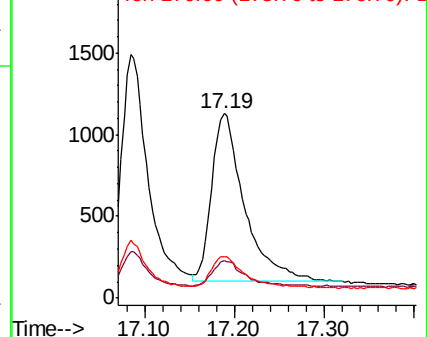
176 22.7 16.6 25.0

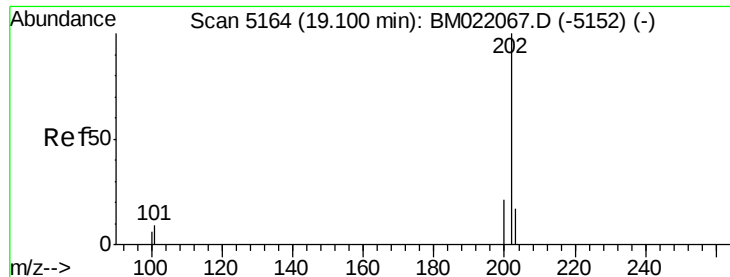


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.363 ng/ul

RT: 19.11 min Scan# 5165

Delta R.T. 0.01 min

Lab File: BM022083.D

Acq: 13 Aug 2019 23:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

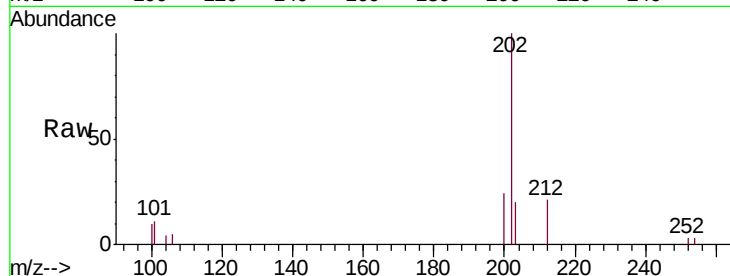
Tgt Ion:202 Resp: 3762

Ion Ratio Lower Upper

202 100

101 11.4 0.0 30.2

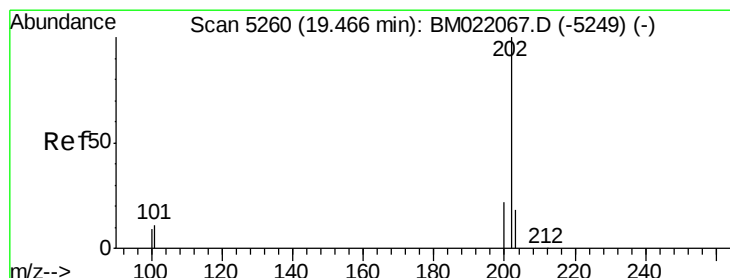
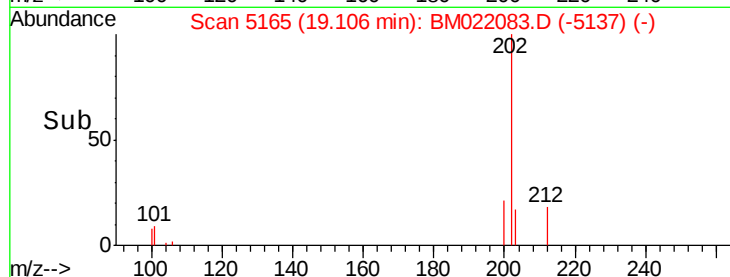
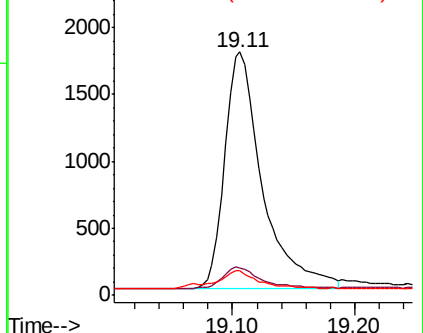
100 10.2 0.0 28.1



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: 0.391 ng/ul

RT: 19.47 min Scan# 5260

Delta R.T. 0.00 min

Lab File: BM022083.D

Acq: 13 Aug 2019 23:05

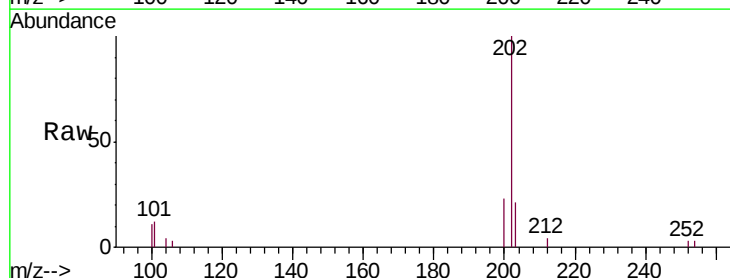
Tgt Ion:202 Resp: 4025

Ion Ratio Lower Upper

202 100

101 12.2 8.3 12.5

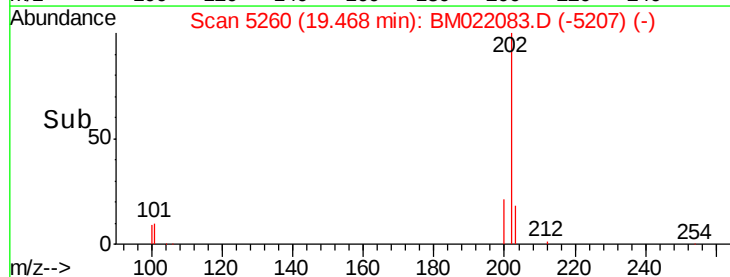
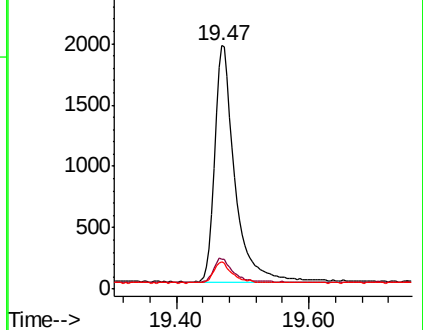
100 11.4 7.2 10.8#

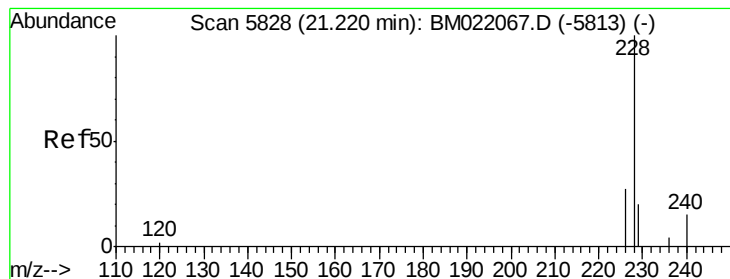


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

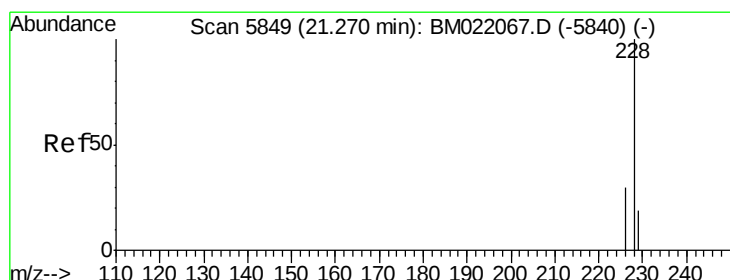
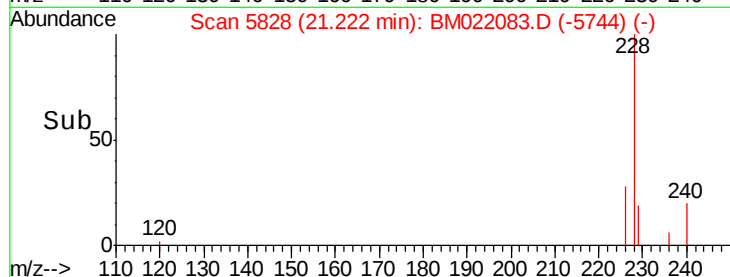
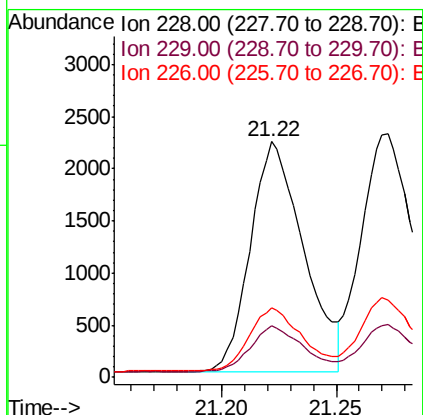
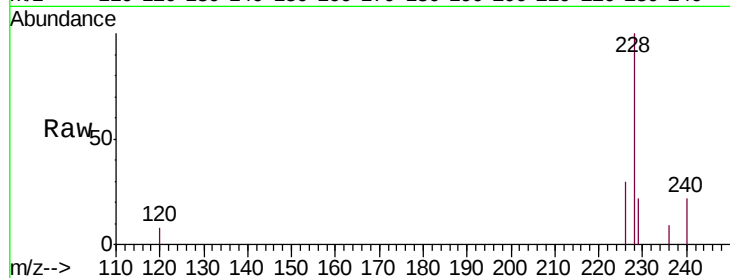




#18
Benzo(a)anthracene
Concen: 0.397 ng/ul
RT: 21.22 min Scan# 5828
Delta R.T. 0.00 min
Lab File: BM022083.D
Acq: 13 Aug 2019 23:05

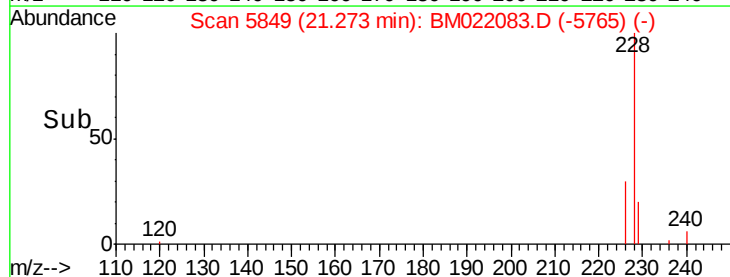
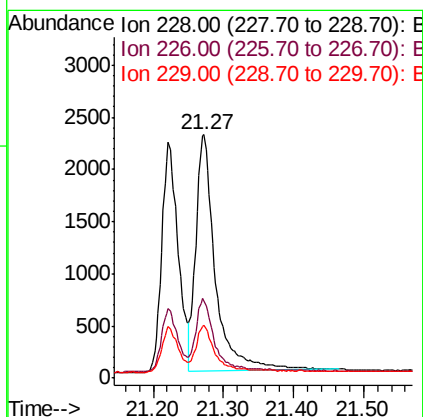
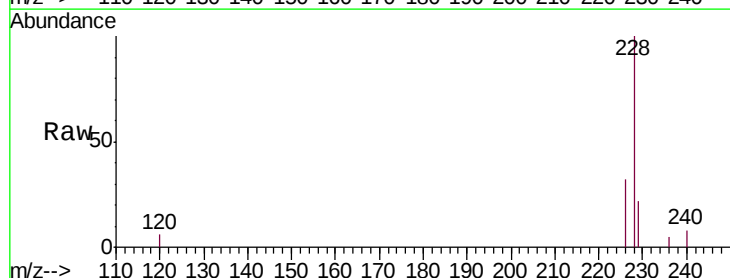
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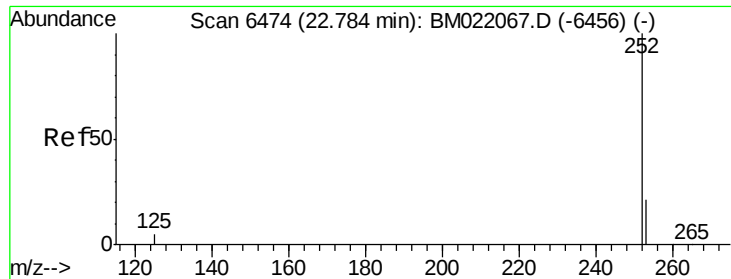
Tgt Ion:228 Resp: 3564
Ion Ratio Lower Upper
228 100
229 21.6 17.2 25.8
226 29.6 22.6 34.0



#19
Chrysene
Concen: 0.384 ng/ul
RT: 21.27 min Scan# 5849
Delta R.T. 0.00 min
Lab File: BM022083.D
Acq: 13 Aug 2019 23:05

Tgt Ion:228 Resp: 4430
Ion Ratio Lower Upper
228 100
226 31.7 24.9 37.3
229 21.9 16.6 25.0





#21

Benzo(b)fluoranthene

Concen: 0.436 ng/ul

RT: 22.78 min Scan# 6472

Delta R.T. -0.00 min

Lab File: BM022083.D

Acq: 13 Aug 2019 23:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

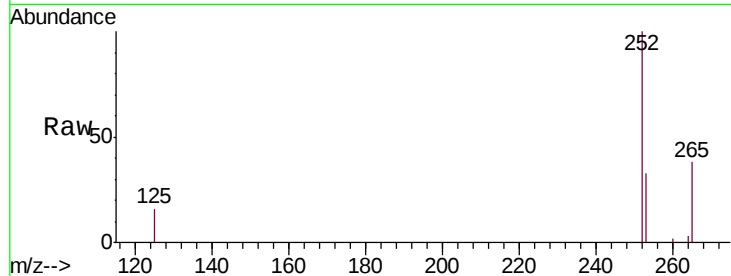
Tgt Ion:252 Resp: 3922

Ion Ratio Lower Upper

252 100

253 33.1 0.0 67.4

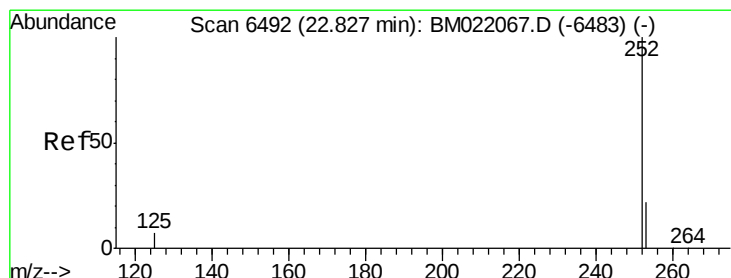
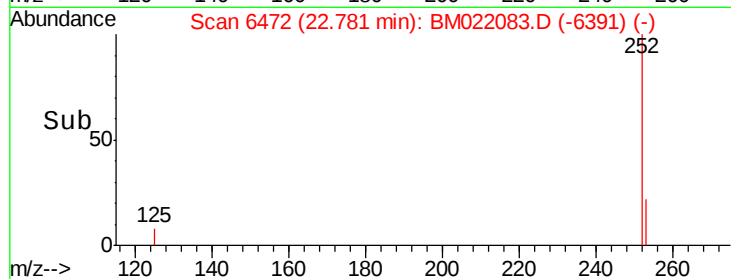
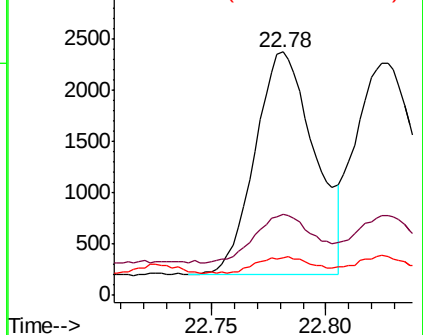
125 15.7 0.0 31.0



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: 0.431 ng/ul

RT: 22.83 min Scan# 6491

Delta R.T. -0.00 min

Lab File: BM022083.D

Acq: 13 Aug 2019 23:05

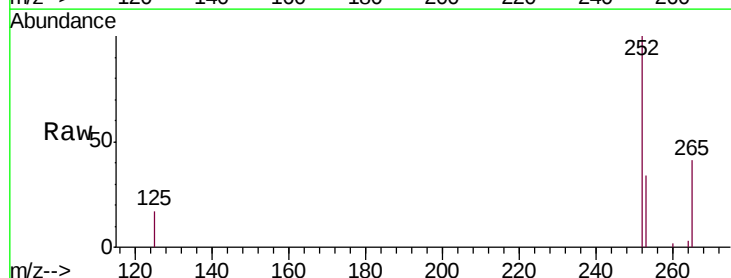
Tgt Ion:252 Resp: 4381

Ion Ratio Lower Upper

252 100

253 34.5 27.0 40.4

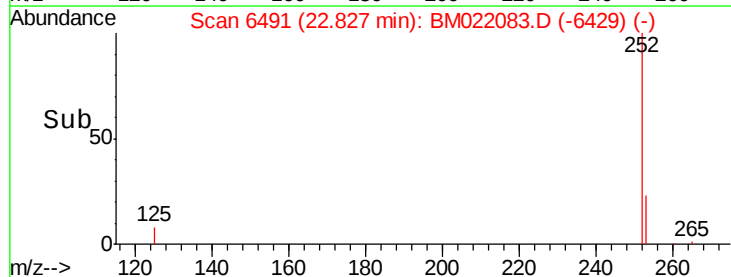
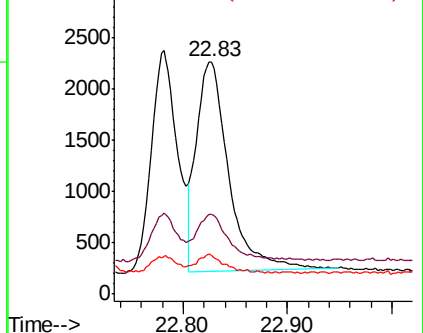
125 16.6 12.2 18.2

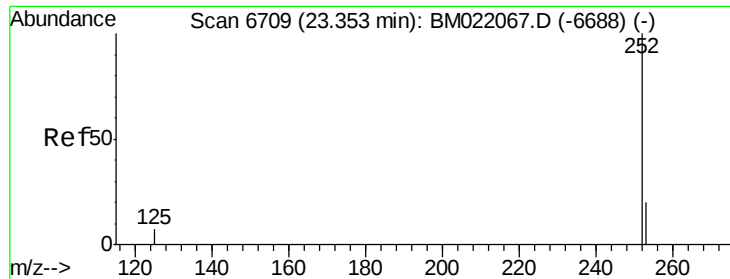


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.435 ng/ul

RT: 23.35 min Scan# 6708

Delta R.T. -0.00 min

Lab File: BM022083.D

Acq: 13 Aug 2019 23:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

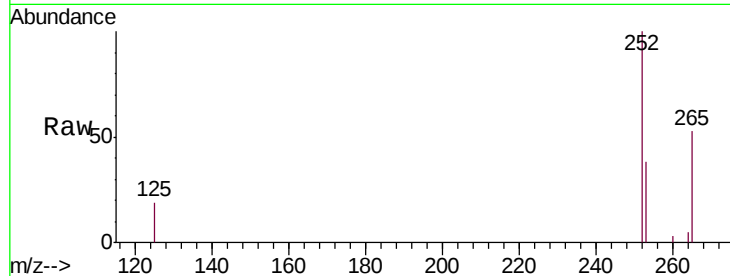
Tgt Ion:252 Resp: 3978

Ion Ratio Lower Upper

252 100

253 38.2 31.7 47.5

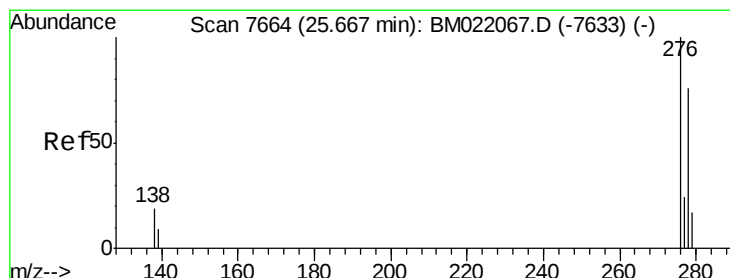
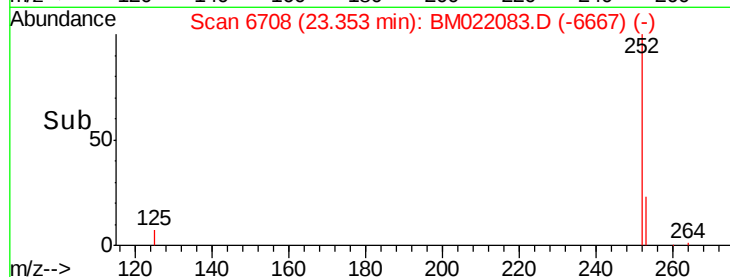
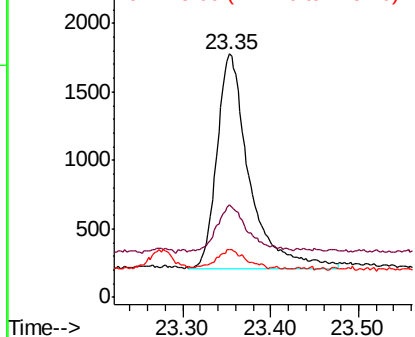
125 19.4 14.6 21.8



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: 0.442 ng/ul

RT: 25.66 min Scan# 7660

Delta R.T. -0.01 min

Lab File: BM022083.D

Acq: 13 Aug 2019 23:05

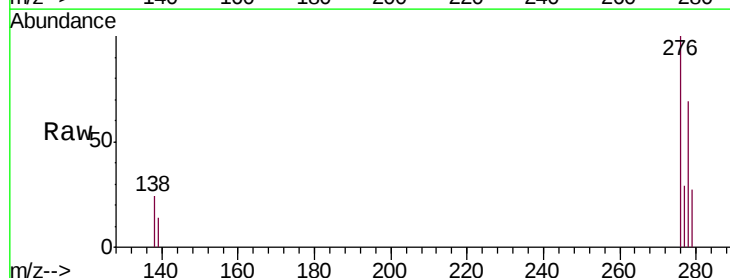
Tgt Ion:276 Resp: 4827

Ion Ratio Lower Upper

276 100

138 18.9 15.1 22.7

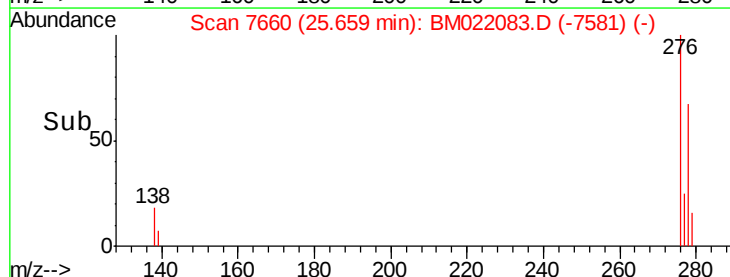
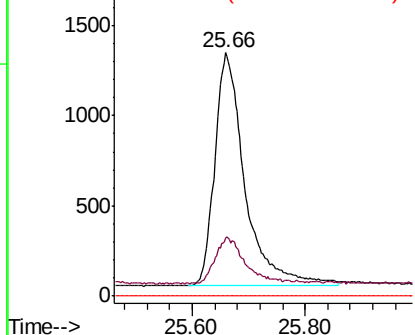
227 0.0 0.0 0.0

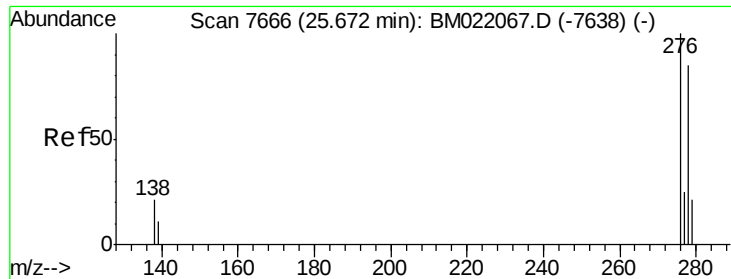


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.435 ng/ul

RT: 25.67 min Scan# 7664

Delta R.T. -0.00 min

Lab File: BM022083.D

Acq: 13 Aug 2019 23:05

Instrument :

BNA_M

ClientSampleId :

SSTD0.456

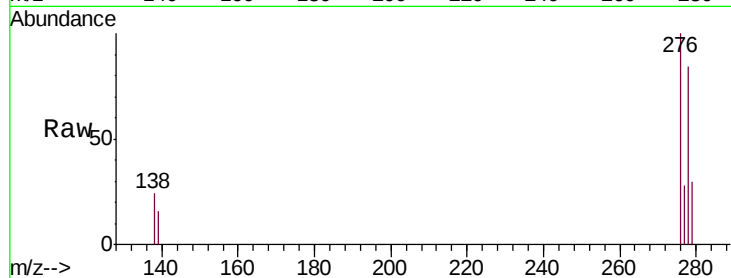
Tgt Ion:278 Resp: 3837

Ion Ratio Lower Upper

278 100

139 18.7 14.2 21.2

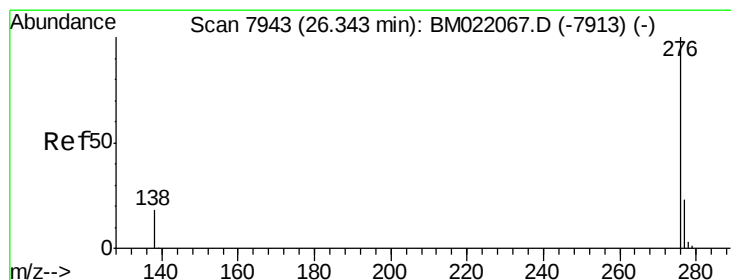
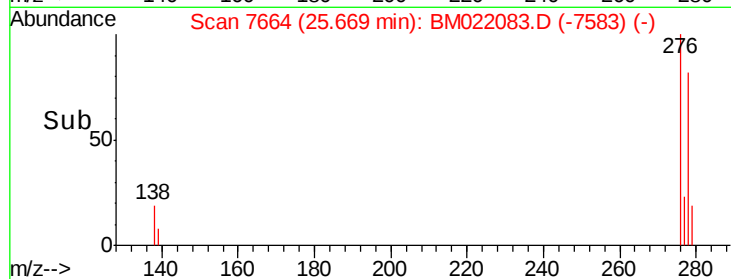
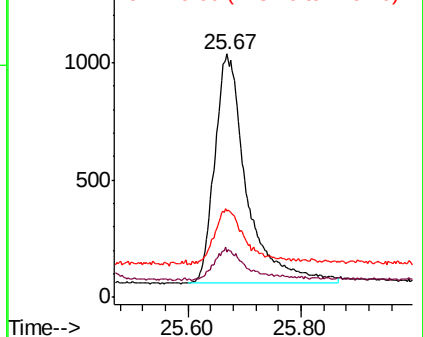
279 35.6 28.3 42.5



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene

Concen: 0.428 ng/ul

RT: 26.34 min Scan# 7940

Delta R.T. -0.01 min

Lab File: BM022083.D

Acq: 13 Aug 2019 23:05

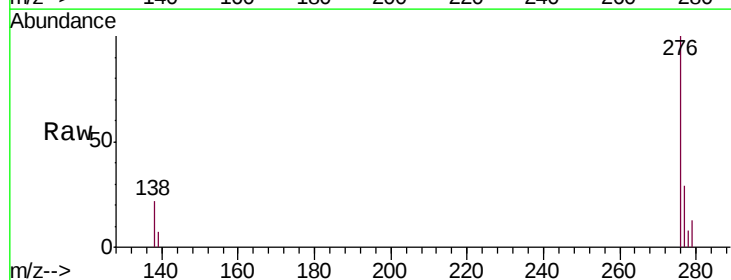
Tgt Ion:276 Resp: 4207

Ion Ratio Lower Upper

276 100

138 22.3 15.5 23.3

277 28.5 21.4 32.2



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

