

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082020\
 Data File : BM027150.D
 Acq On : 20 Aug 2020 05:22
 Operator : JU/CG
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.431

Quant Time: Aug 20 06:57:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM081720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 06:55:50 2020
 Response via : Initial Calibration

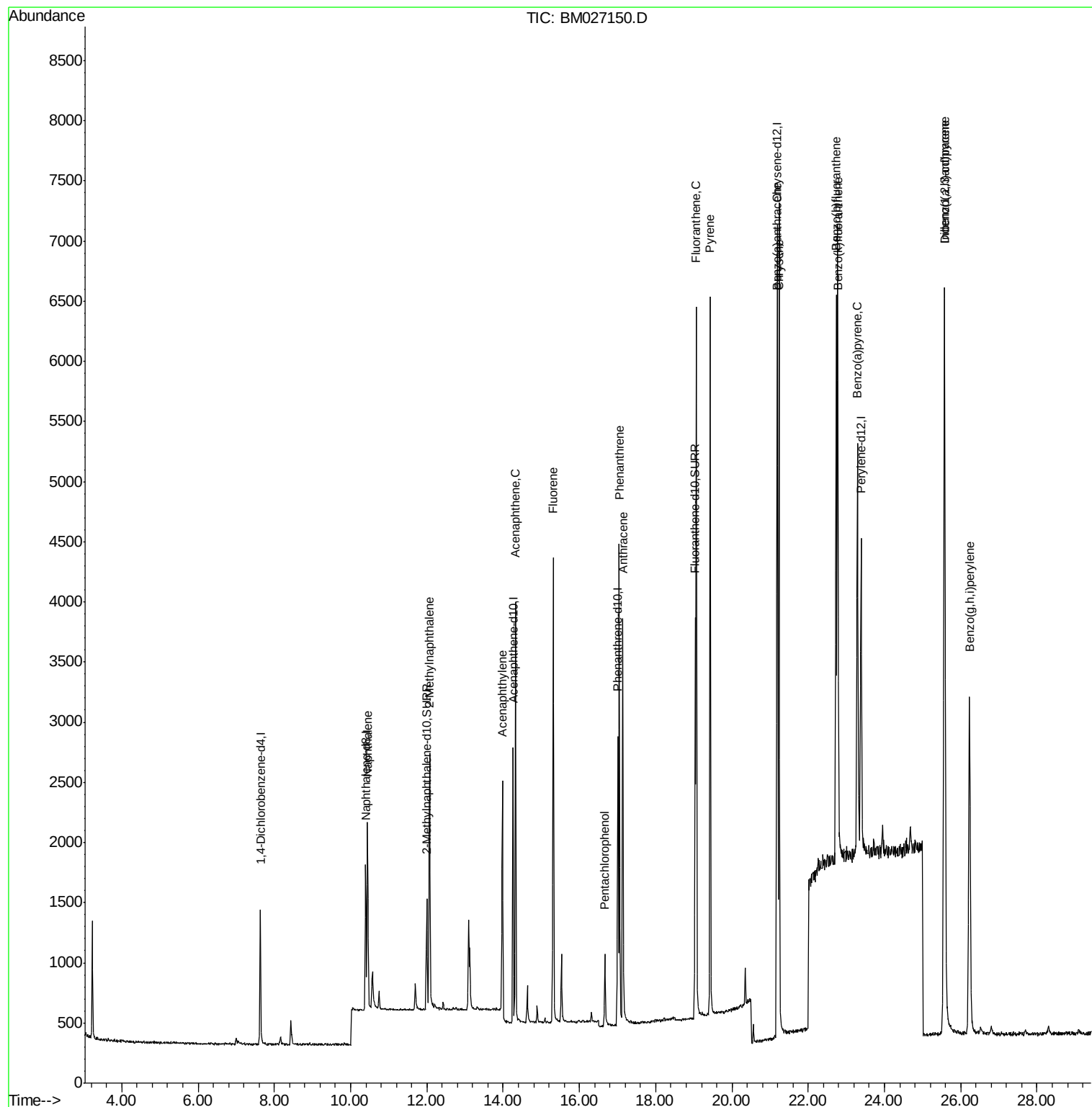
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	592	0.40	ng/ul	0.00
2) Naphthalene-d8	10.40	136	1794	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	1260	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	3204	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	3359	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	3459	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1397	0.46	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	4040	0.44	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	2235	0.416	ng/ul	95
5) 2-Methylnaphthalene	12.07	142	1628	0.442	ng/ul	94
7) Acenaphthylene	13.98	152	2267	0.414	ng/ul	97
8) Acenaphthene	14.32	153	1952	0.411	ng/ul	96
9) Fluorene	15.31	166	2502	0.439	ng/ul	98
11) Pentachlorophenol	16.66	266	455	0.431	ng/ul	91
12) Phenanthrene	17.05	178	4403	0.406	ng/ul	99
13) Anthracene	17.14	178	3810	0.387	ng/ul	98
15) Fluoranthene	19.07	202	5687	0.437	ng/ul	95
17) Pyrene	19.43	202	5765	0.401	ng/ul#	94
18) Benzo(a)anthracene	21.18	228	5463	0.409	ng/ul	98
19) Chrysene	21.23	228	6299	0.436	ng/ul	100
21) Benzo(b)fluoranthene	22.73	252	6271	0.423	ng/ul	97
22) Benzo(k)fluoranthene	22.77	252	6923	0.449	ng/ul#	97
23) Benzo(a)pyrene	23.29	252	5573	0.415	ng/ul#	96
24) Indeno(1,2,3-cd)pyrene	25.57	276	7894	0.426	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.58	278	6477	0.429	ng/ul#	96
26) Benzo(g,h,i)perylene	26.23	276	6656	0.416	ng/ul#	96

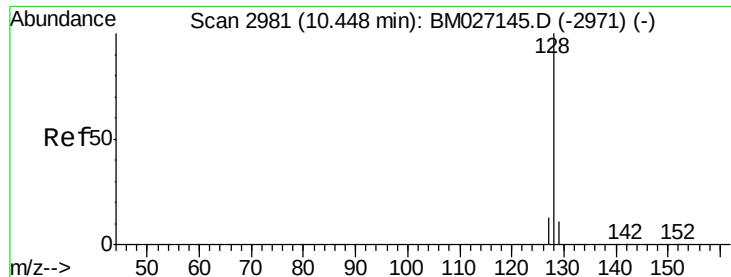
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.416 ng/ul

RT: 10.44 min Scan# 2980

Delta R.T. -0.00 min

Lab File: BM027150.D

Acq: 20 Aug 2020 05:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.431

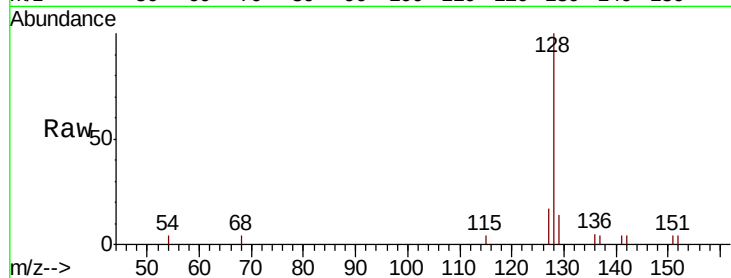
Tot Ion:128 Resp: 2235

Ion Ratio Lower Upper

128 100

129 14.1 10.1 15.1

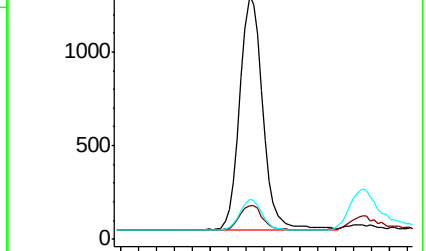
127 16.6 11.6 17.4



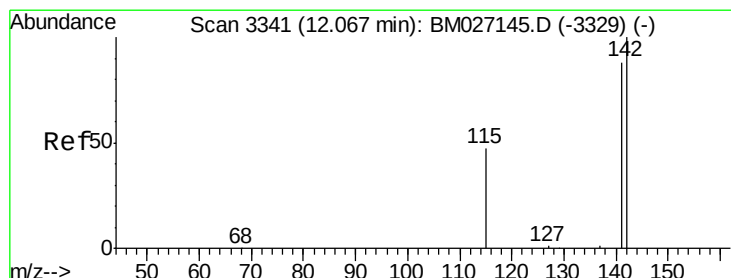
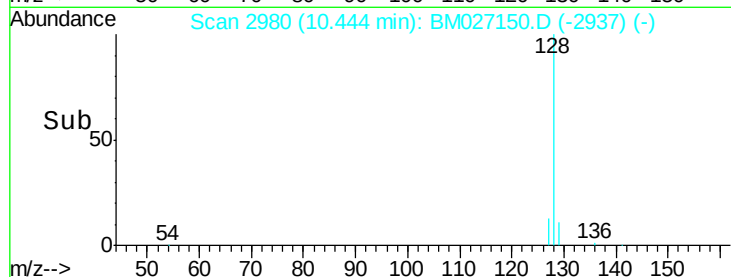
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#5

2-Methylnaphthalene

Concen: 0.442 ng/ul

RT: 12.07 min Scan# 3341

Delta R.T. -0.00 min

Lab File: BM027150.D

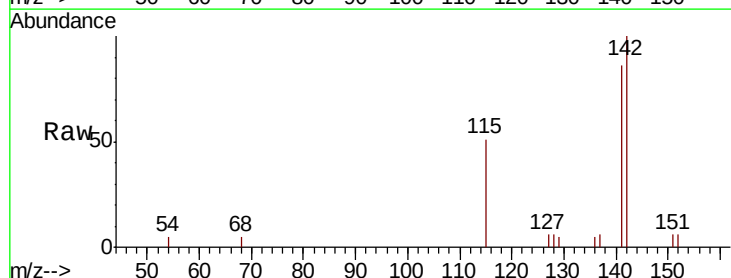
Acq: 20 Aug 2020 05:22

Tgt Ion:142 Resp: 1628

Ion Ratio Lower Upper

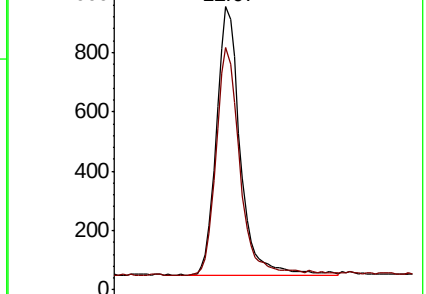
142 100

141 85.5 72.9 109.3

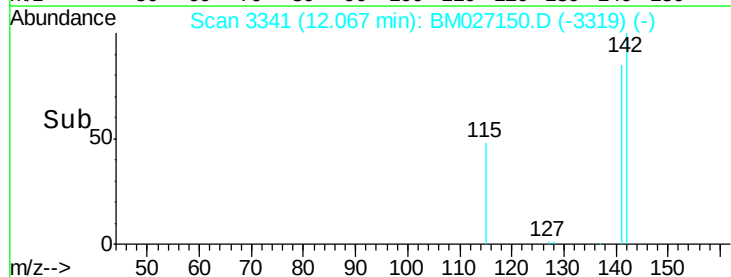


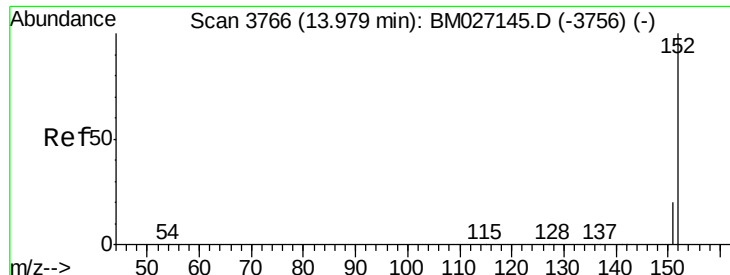
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#7

Acenaphthylene

Concen: 0.414 ng/ul

RT: 13.98 min Scan# 3766

Delta R.T. -0.00 min

Lab File: BM027150.D

Acq: 20 Aug 2020 05:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.431

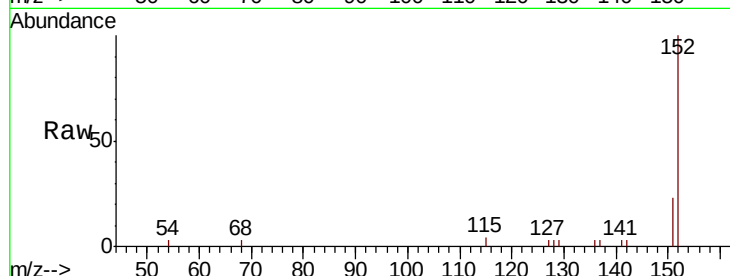
Tot Ion:152 Resp: 2267

Ion Ratio Lower Upper

152 100

151 22.6 16.9 25.3

153 0.0 0.0 0.0



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

13.98

1500

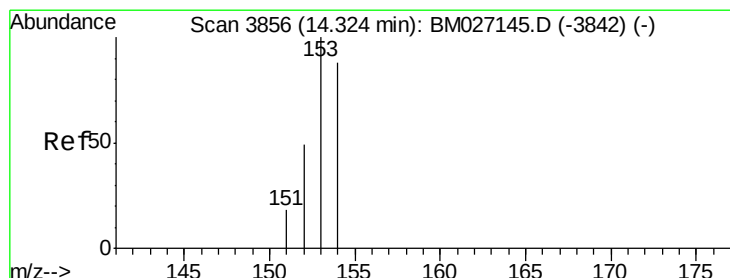
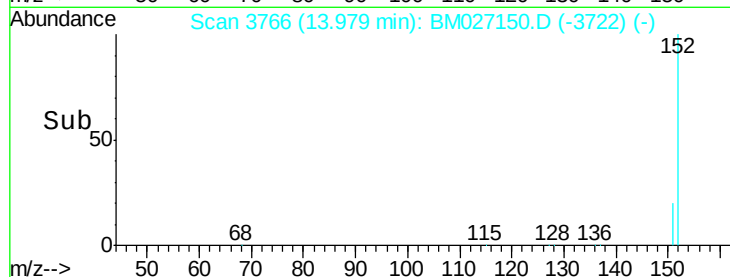
1000

500

0

13.90 14.00 14.10

Time-->



#8

Acenaphthene

Concen: 0.411 ng/ul

RT: 14.32 min Scan# 3856

Delta R.T. 0.00 min

Lab File: BM027150.D

Acq: 20 Aug 2020 05:22

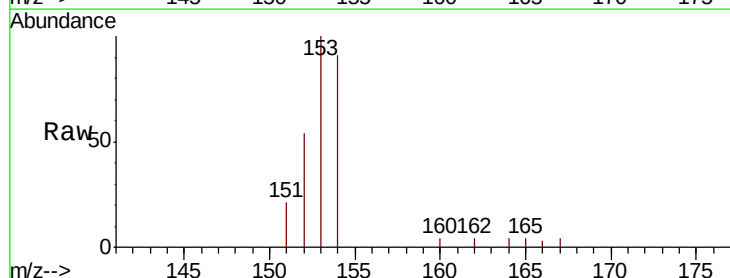
Tgt Ion:153 Resp: 1952

Ion Ratio Lower Upper

153 100

152 53.7 40.9 61.3

154 91.4 70.0 105.0



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

14.32

1500

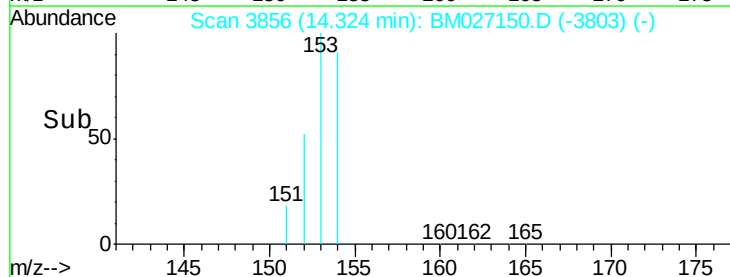
1000

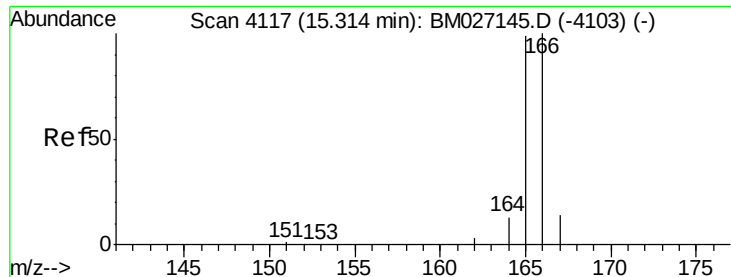
500

0

14.30 14.40

Time-->





#9

Fluorene

Concen: 0.439 ng/ul

RT: 15.31 min Scan# 4117

Delta R.T. -0.00 min

Lab File: BM027150.D

Acq: 20 Aug 2020 05:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.431

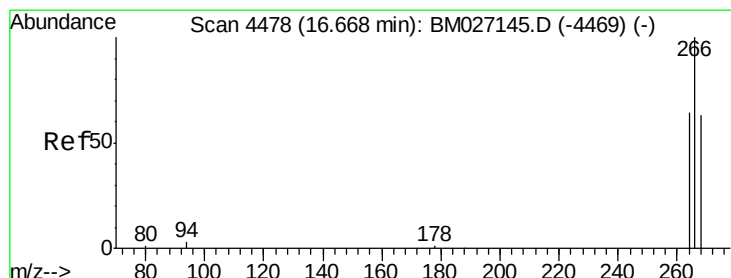
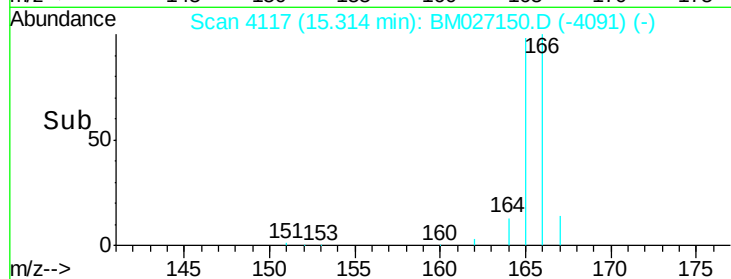
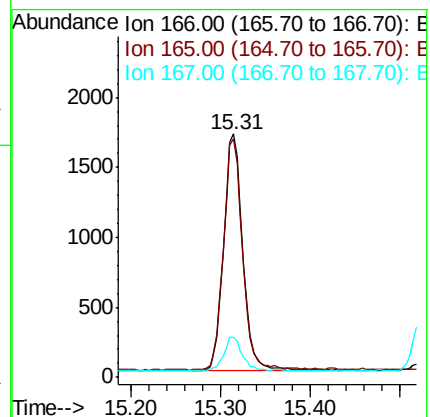
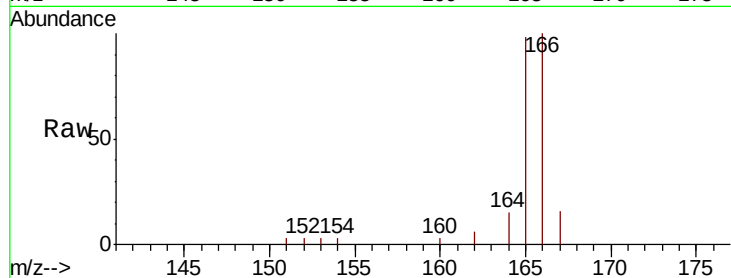
Tot Ion:166 Resp: 2502

Ion Ratio Lower Upper

166 100

165 98.2 79.8 119.6

167 16.4 12.1 18.1



#11

Pentachlorophenol

Concen: 0.431 ng/ul

RT: 16.66 min Scan# 4477

Delta R.T. -0.00 min

Lab File: BM027150.D

Acq: 20 Aug 2020 05:22

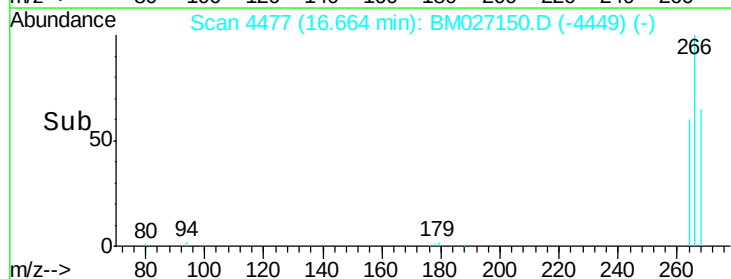
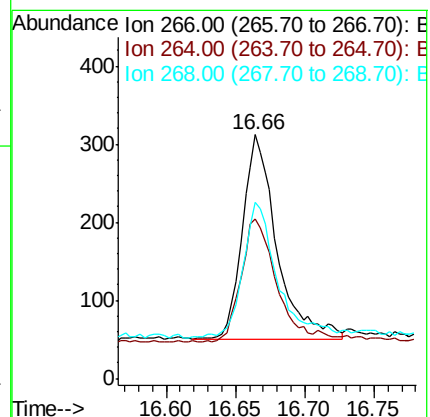
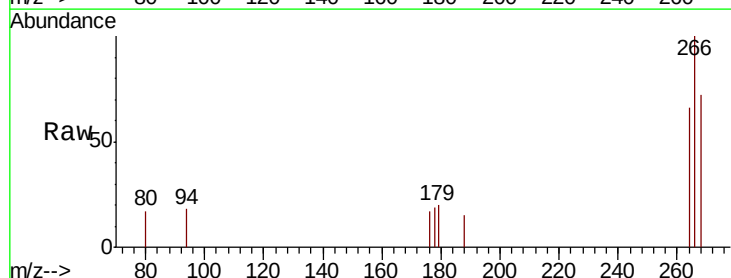
Tgt Ion:266 Resp: 455

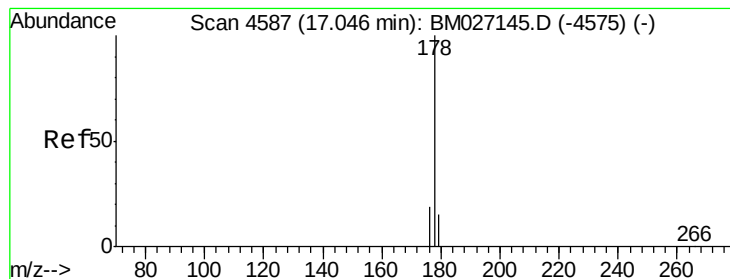
Ion Ratio Lower Upper

266 100

264 64.8 47.8 71.8

268 69.9 48.5 72.7





#12

Phenanthrene

Concen: 0.406 ng/ul

RT: 17.05 min Scan# 4587

Delta R.T. 0.00 min

Lab File: BM027150.D

Acq: 20 Aug 2020 05:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.431

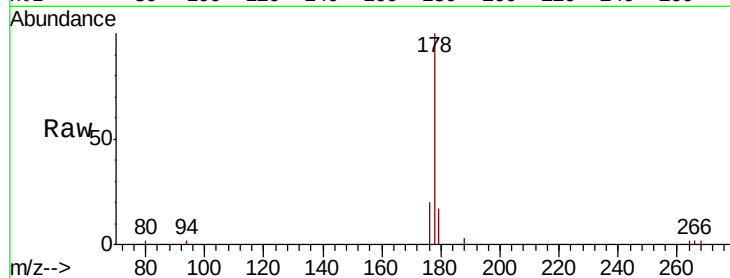
Tot Ion:178 Resp: 4403

Ion Ratio Lower Upper

178 100

179 17.4 13.4 20.2

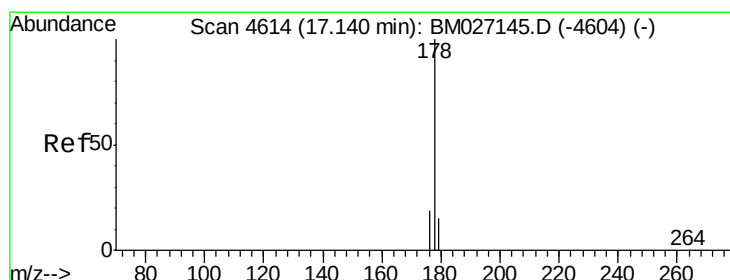
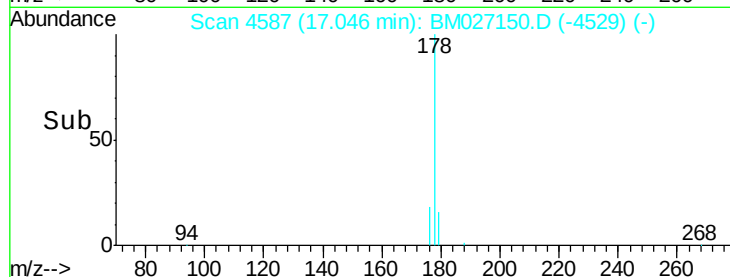
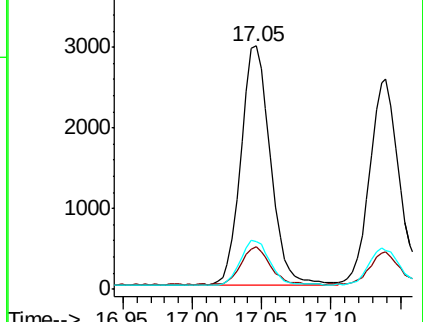
176 19.7 16.0 24.0



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



#13

Anthracene

Concen: 0.387 ng/ul

RT: 17.14 min Scan# 4614

Delta R.T. -0.00 min

Lab File: BM027150.D

Acq: 20 Aug 2020 05:22

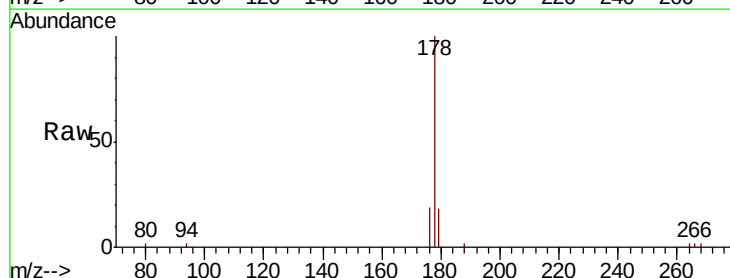
Tgt Ion:178 Resp: 3810

Ion Ratio Lower Upper

178 100

179 17.8 13.7 20.5

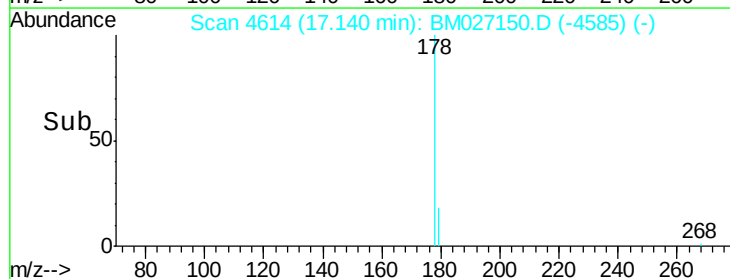
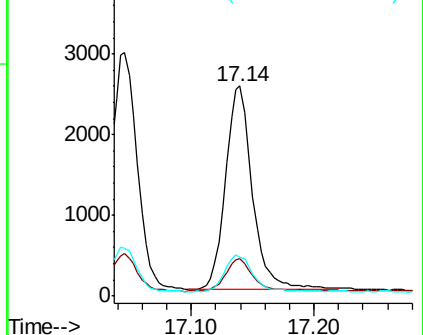
176 18.6 15.5 23.3

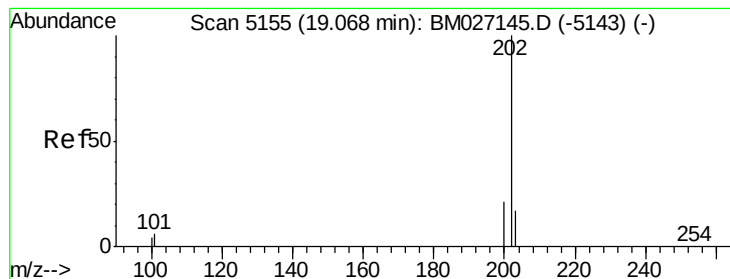


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.437 ng/ul

RT: 19.07 min Scan# 5155

Delta R.T. -0.00 min

Lab File: BM027150.D

Acq: 20 Aug 2020 05:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.431

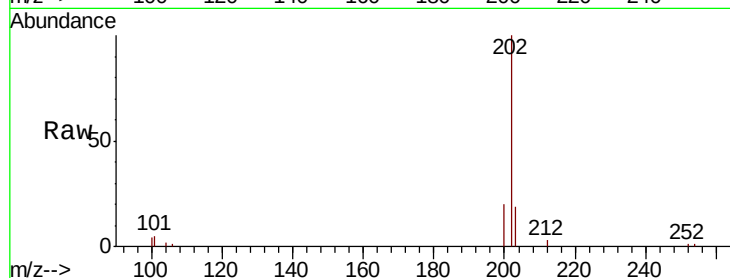
Tot Ion:202 Resp: 5687

Ion Ratio Lower Upper

202 100

101 5.2 0.0 27.1

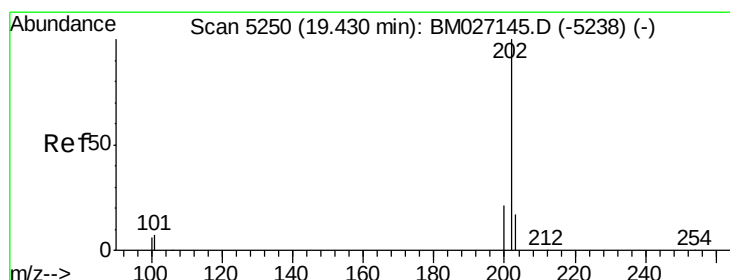
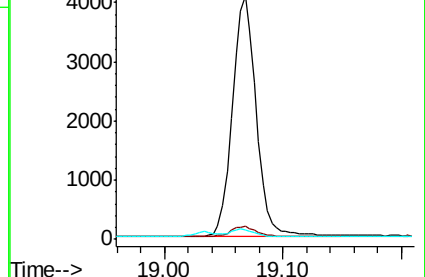
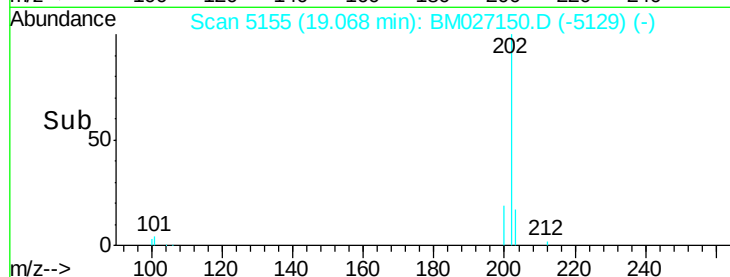
100 4.0 0.0 25.7



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: 0.401 ng/ul

RT: 19.43 min Scan# 5250

Delta R.T. 0.00 min

Lab File: BM027150.D

Acq: 20 Aug 2020 05:22

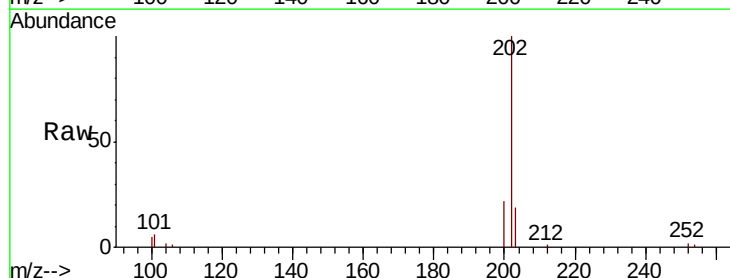
Tgt Ion:202 Resp: 5765

Ion Ratio Lower Upper

202 100

101 5.9 6.6 9.8#

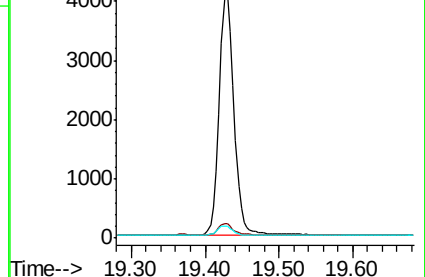
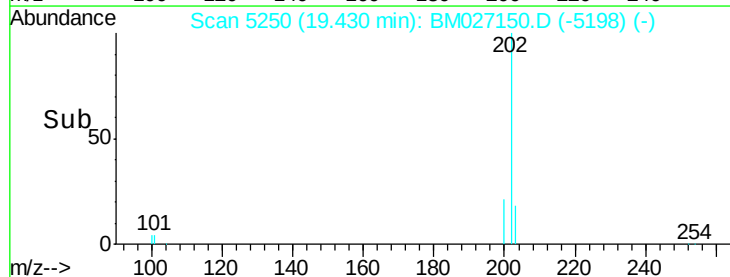
100 5.1 5.6 8.4#

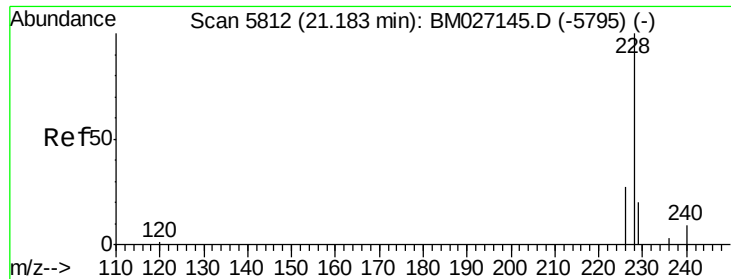


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.409 ng/ul

RT: 21.18 min Scan# 5812

Delta R.T. -0.00 min

Lab File: BM027150.D

Acq: 20 Aug 2020 05:22

Instrument :

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SSTD0.431

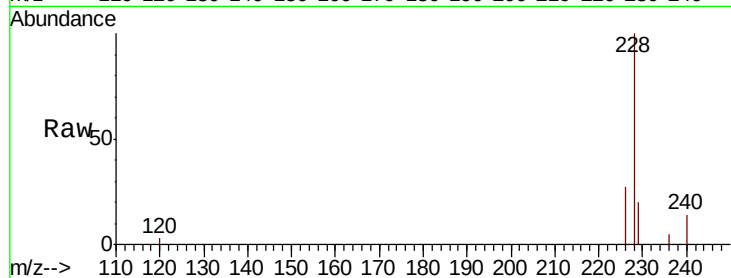
Tot Ion:228 Resp: 5463

Ion Ratio Lower Upper

228 100

229 19.5 16.2 24.4

226 26.8 22.4 33.6

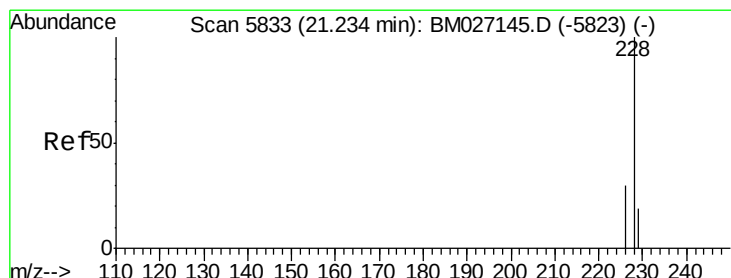
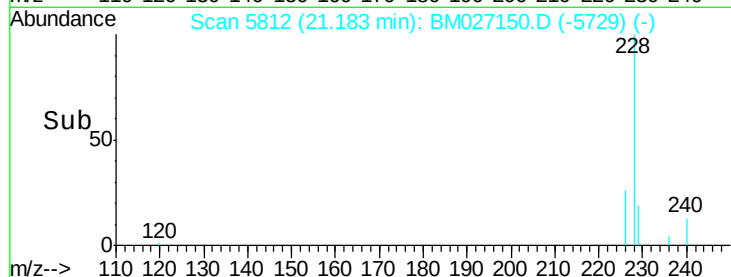
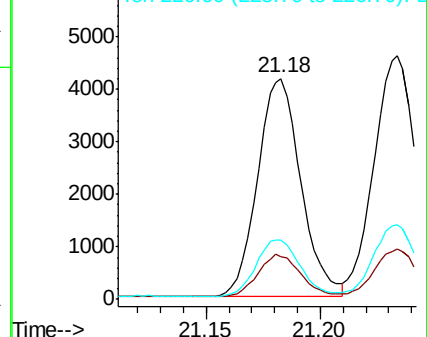


Abundance

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: 0.436 ng/ul

RT: 21.23 min Scan# 5833

Delta R.T. -0.00 min

Lab File: BM027150.D

Acq: 20 Aug 2020 05:22

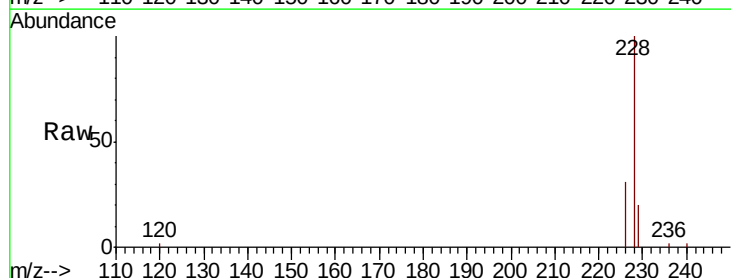
Tgt Ion:228 Resp: 6299

Ion Ratio Lower Upper

228 100

226 30.7 24.6 36.8

229 20.5 15.9 23.9

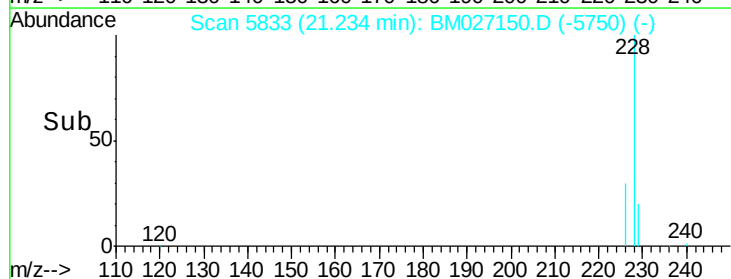
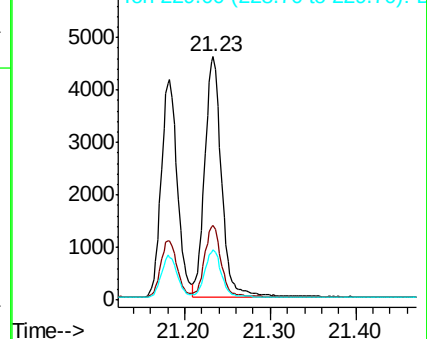


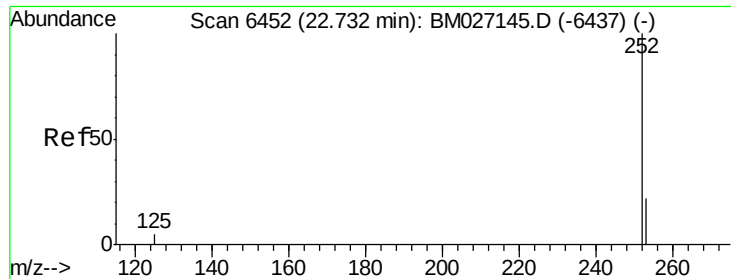
Abundance

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: 0.423 ng/ul

RT: 22.73 min Scan# 6452

Delta R.T. 0.00 min

Lab File: BM027150.D

Acq: 20 Aug 2020 05:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.431

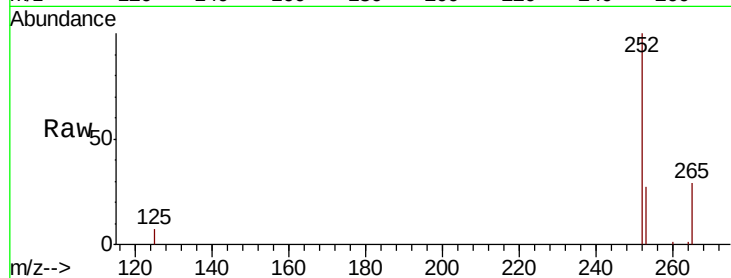
Tot Ion:252 Resp: 6271

Ion Ratio Lower Upper

252 100

253 26.8 0.0 54.0

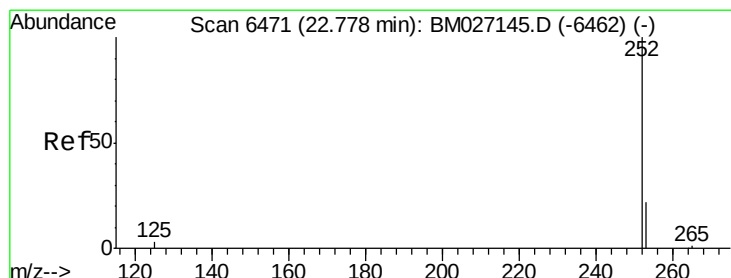
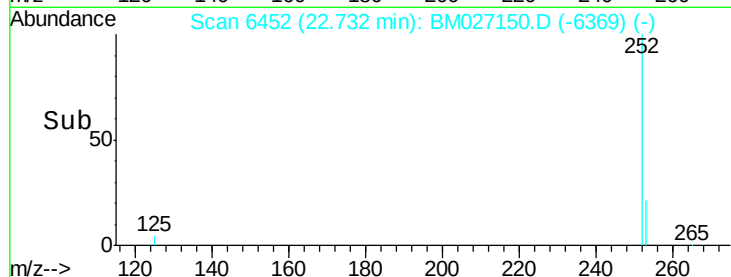
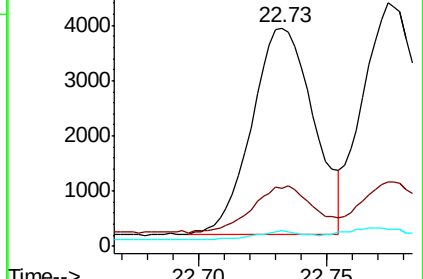
125 7.0 0.0 20.8



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



#22

Benzo(k)fluoranthene

Concen: 0.449 ng/ul

RT: 22.77 min Scan# 6469

Delta R.T. -0.00 min

Lab File: BM027150.D

Acq: 20 Aug 2020 05:22

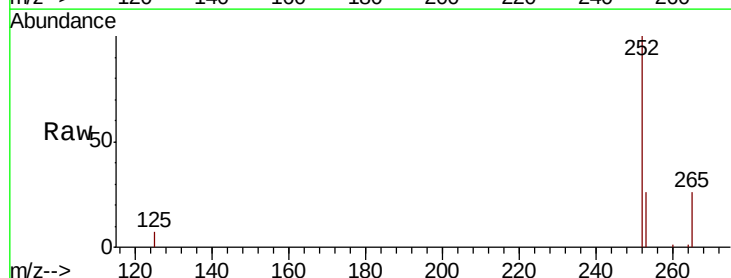
Tgt Ion:252 Resp: 6923

Ion Ratio Lower Upper

252 100

253 26.2 21.7 32.5

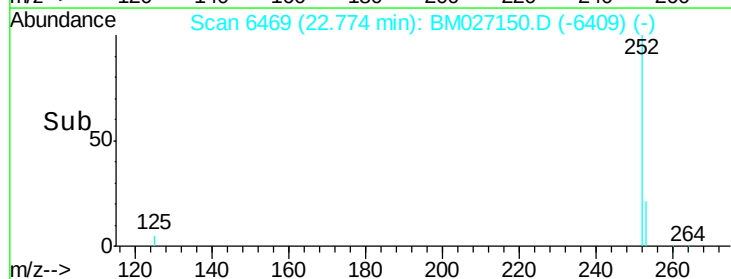
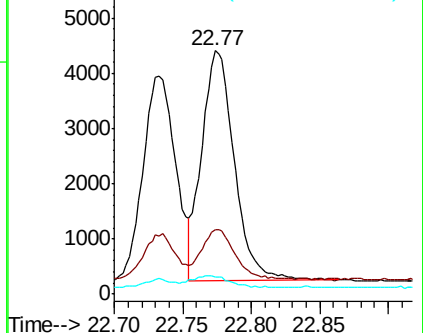
125 7.2 7.9 11.9#

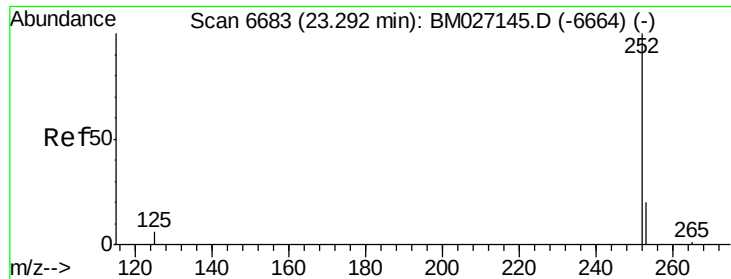


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.415 ng/ul

RT: 23.29 min Scan# 6682

Delta R.T. -0.00 min

Lab File: BM027150.D

Acq: 20 Aug 2020 05:22

Instrument :

BNA_M

ClientSampleId :

SSTD0.431

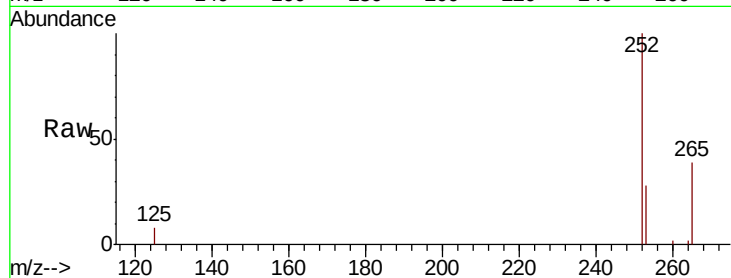
Tot Ion:252 Resp: 5573

Ion Ratio Lower Upper

252 100

253 28.0 23.4 35.0

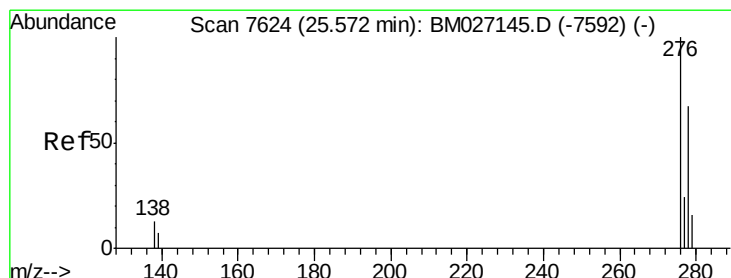
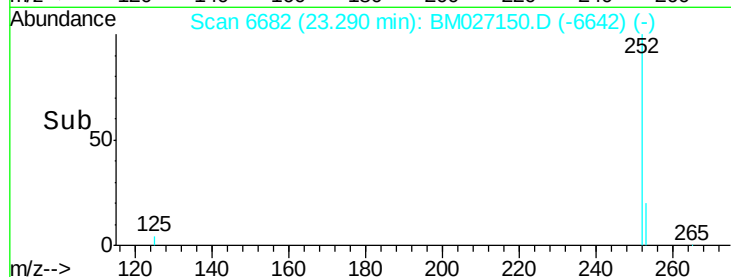
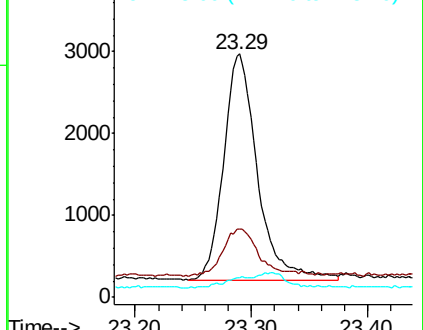
125 8.2 9.4 14.2#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.426 ng/ul

RT: 25.57 min Scan# 7622

Delta R.T. -0.00 min

Lab File: BM027150.D

Acq: 20 Aug 2020 05:22

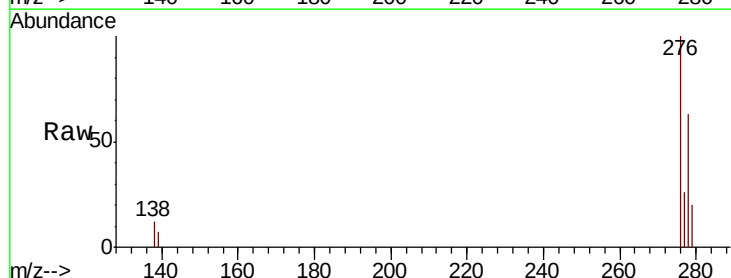
Tgt Ion:276 Resp: 7894

Ion Ratio Lower Upper

276 100

138 9.9 12.2 18.2#

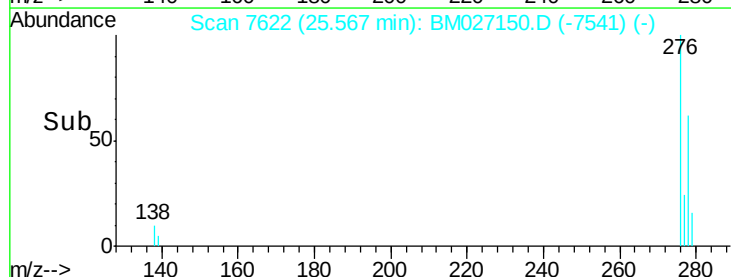
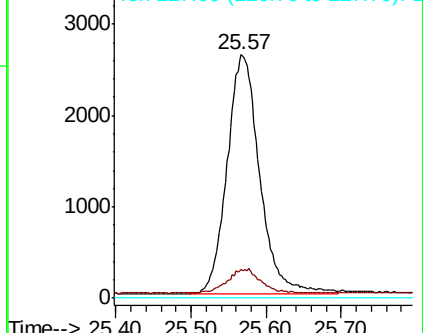
227 0.0 0.0 0.0

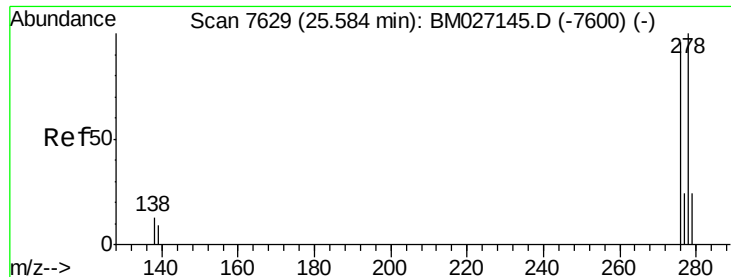


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



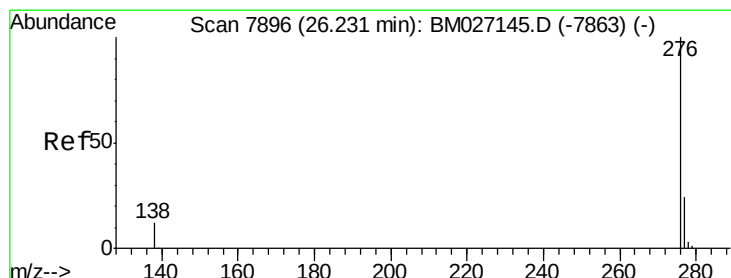
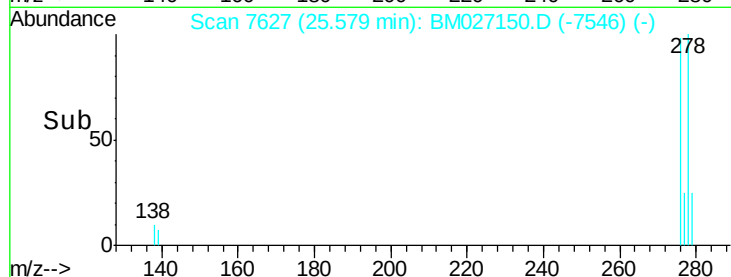
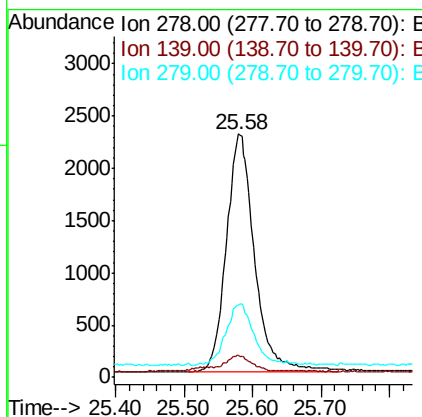
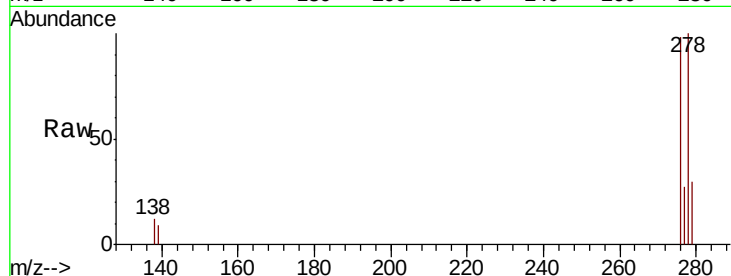


#25
Dibenzo(a,h)anthracene
Concen: 0.429 ng/ul
RT: 25.58 min Scan# 7627
Delta R.T. -0.00 min
Lab File: BM027150.D
Acq: 20 Aug 2020 05:22

Instrument :
BNA_M
ClientSampleId :
SSTD0.431

Tot Ion:278 Resp: 6477

Ion	Ratio	Lower	Upper
278	100		
139	9.1	10.0	15.0#
279	29.6	22.9	34.3



#26
Benzo(g,h,i)perylene
Concen: 0.416 ng/ul
RT: 26.23 min Scan# 7894
Delta R.T. -0.00 min
Lab File: BM027150.D
Acq: 20 Aug 2020 05:22

Tgt Ion:276 Resp: 6656

Ion	Ratio	Lower	Upper
276	100		
138	11.1	12.0	18.0#
277	26.2	20.9	31.3

