

Data File : BM027981.D
Acq On : 26 Nov 2020 01:39
Operator : JU/CG
Sample : SSTDC00.4
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTD0.446

Quant Time: Nov 26 02:12:49 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 26 00:48:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.32	152	927	0.40	ng/ul	0.00
2) Naphthalene-d8	11.15	136	3690	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.94	164	2057	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.65	188	3774	0.40	ng/ul	0.00
16) Chrysene-d12	21.75	240	2123	0.40	ng/ul	0.00
20) Perylene-d12	24.17	264	2032	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.72	152	2346	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.64	212	3389	0.34	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	11.20	128	4450	0.402	ng/ul	99
5) 2-Methylnaphthalene	12.79	142	3026	0.402	ng/ul	99
7) Acenaphthylene	14.66	152	4135	0.412	ng/ul	99
8) Acenaphthene	15.00	153	3021	0.402	ng/ul	99
9) Fluorene	15.97	166	3374	0.387	ng/ul	99
11) Pentachlorophenol	17.30	266	379	0.295	ng/ul	98
12) Phenanthrene	17.69	178	4778	0.401	ng/ul	100
13) Anthracene	17.78	178	4566	0.397	ng/ul	98
15) Fluoranthene	19.67	202	4595	0.348	ng/ul	95
17) Pyrene	20.03	202	4474	0.415	ng/ul#	93
18) Benzo(a)anthracene	21.74	228	3449	0.403	ng/ul	96
19) Chrysene	21.79	228	3361	0.403	ng/ul	98
21) Benzo(b)fluoranthene	23.43	252	3270	0.383	ng/ul	96
22) Benzo(k)fluoranthene	23.48	252	3126	0.374	ng/ul#	94
23) Benzo(a)pyrene	24.06	252	2836	0.380	ng/ul#	96
24) Indeno(1,2,3-cd)pyrene	26.66	276	3538	0.438	ng/ul#	95
25) Dibenzo(a,h)anthracene	26.67	278	2911	0.432	ng/ul	96
26) Benzo(g,h,i)perylene	27.43	276	2992	0.441	ng/ul	97

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

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Sample : SSTDCCC0.4

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ALS Vial : 27 Sample Multiplier: 1

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BNA_M

ClientSampleId :

SSTD0.446

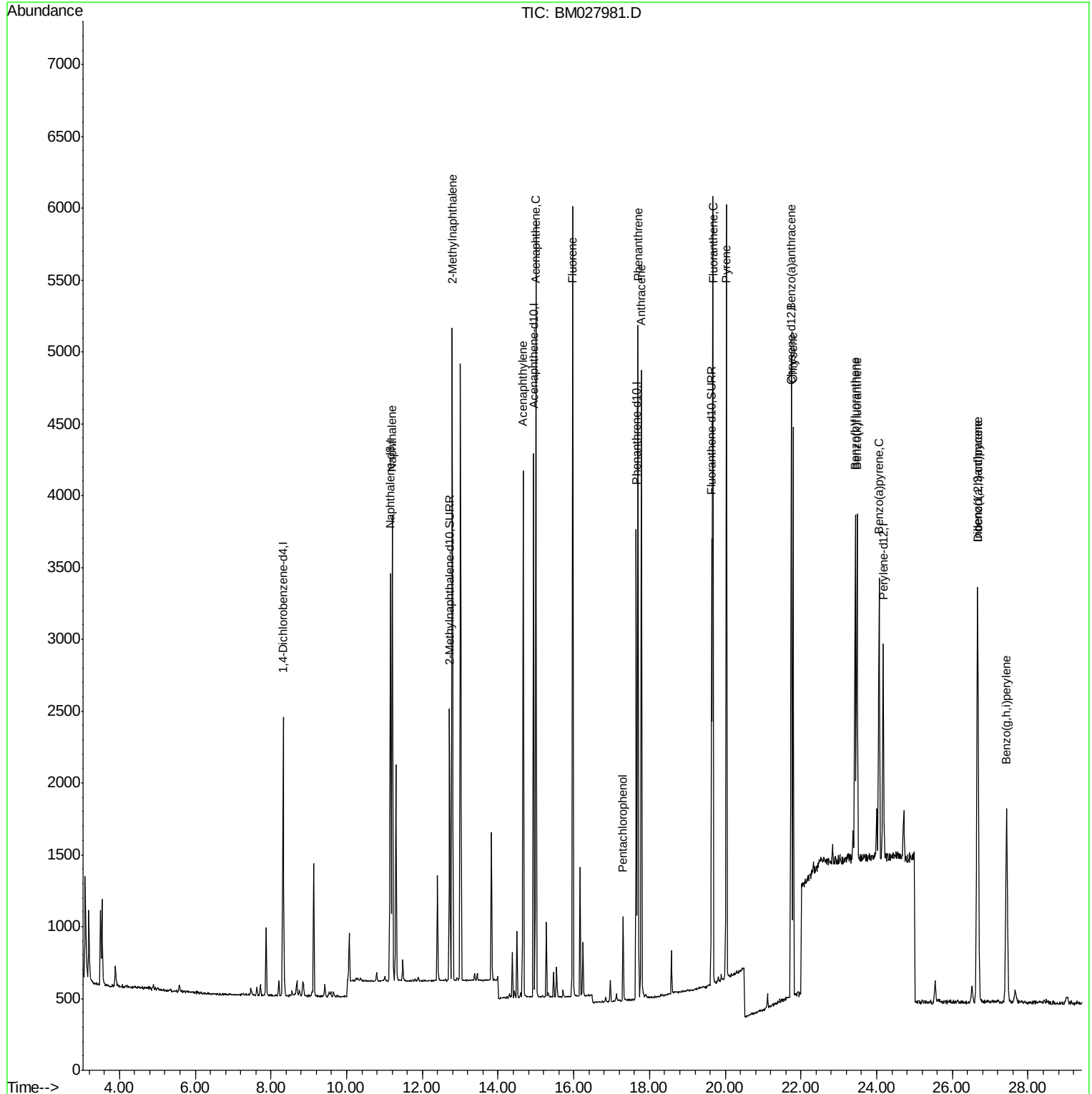
Quant Time: Nov 26 02:12:49 2020

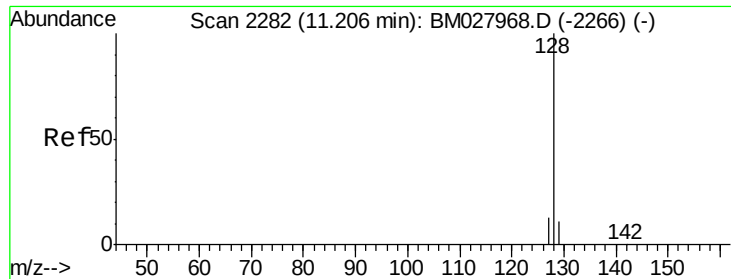
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112020.M

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#3

Naphthalene

Concen: 0.402 ng/ul

RT: 11.20 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BM027981.D

Acq: 26 Nov 2020 01:39

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

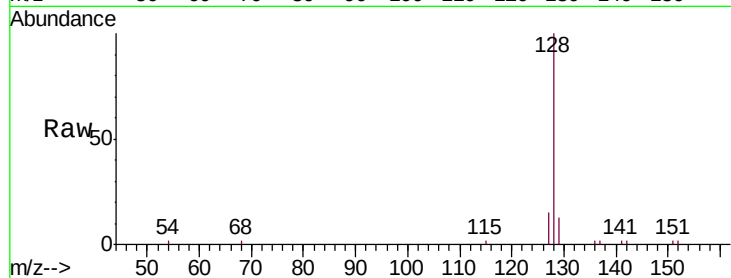
Tgt Ion:128 Resp: 4450

Ion Ratio Lower Upper

128 100

129 12.5 10.4 15.6

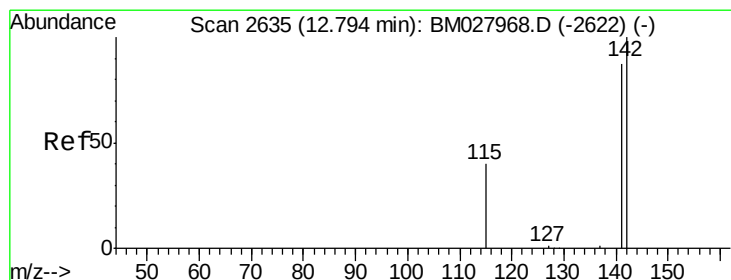
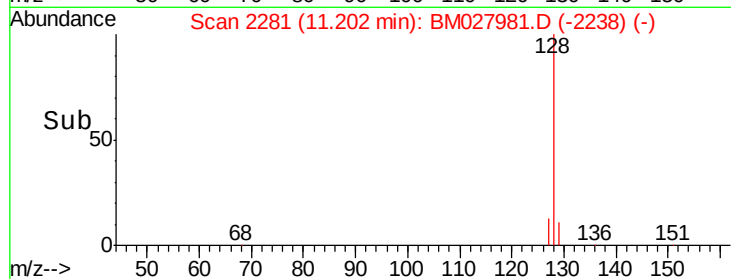
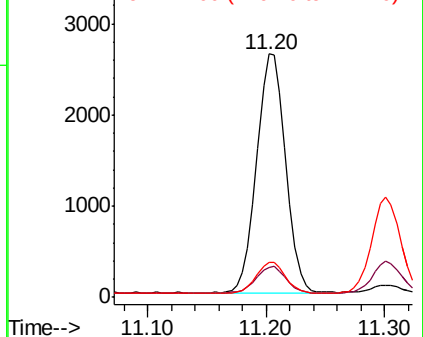
127 14.6 12.0 18.0



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: 0.402 ng/ul

RT: 12.79 min Scan# 2634

Delta R.T. -0.00 min

Lab File: BM027981.D

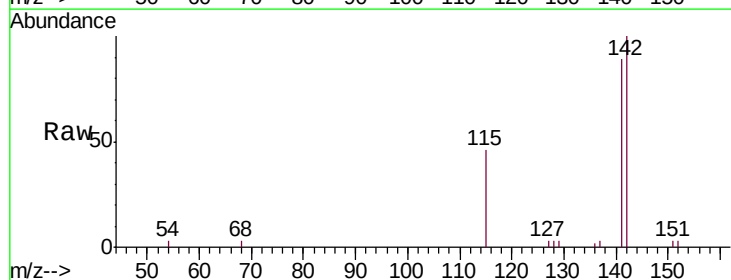
Acq: 26 Nov 2020 01:39

Tgt Ion:142 Resp: 3026

Ion Ratio Lower Upper

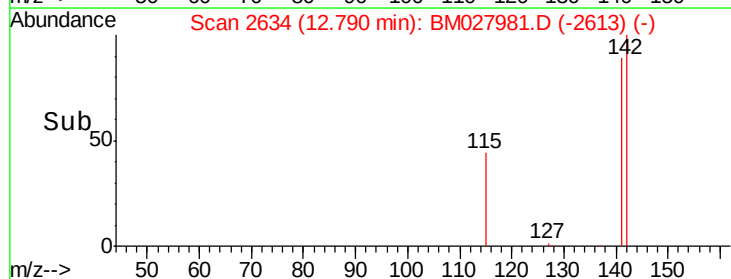
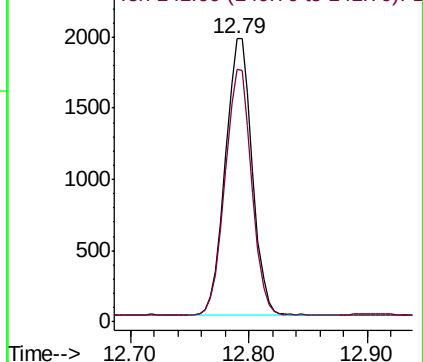
142 100

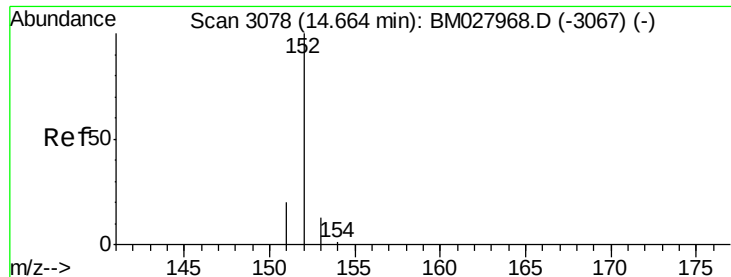
141 88.5 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.412 ng/ul

RT: 14.66 min Scan# 3077

Delta R.T. -0.00 min

Lab File: BM027981.D

Acq: 26 Nov 2020 01:39

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

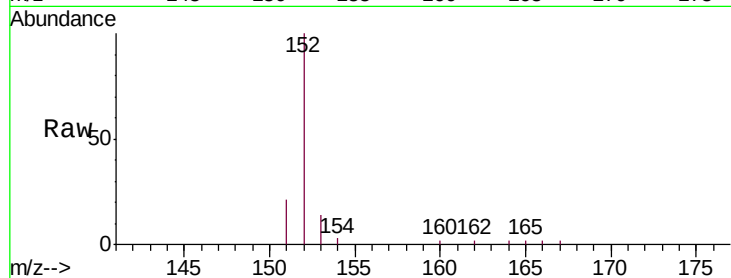
Tgt Ion:152 Resp: 4135

Ion Ratio Lower Upper

152 100

151 21.4 17.1 25.7

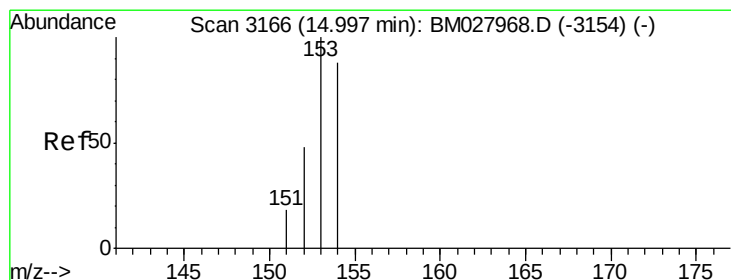
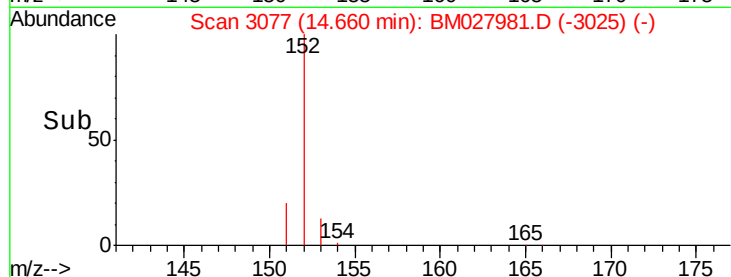
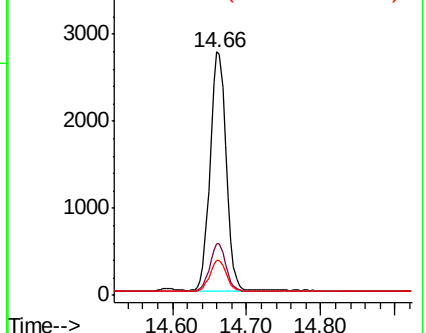
153 14.4 12.0 18.0



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



#8

Acenaphthene

Concen: 0.402 ng/ul

RT: 15.00 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BM027981.D

Acq: 26 Nov 2020 01:39

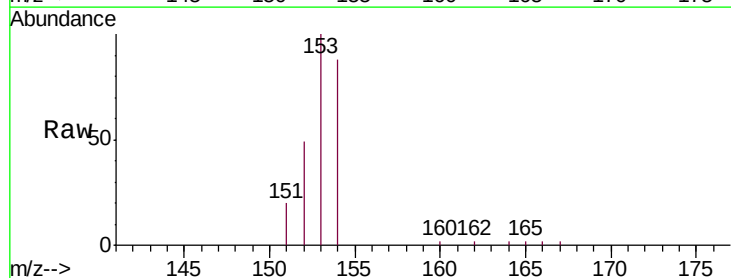
Tgt Ion:153 Resp: 3021

Ion Ratio Lower Upper

153 100

152 49.0 39.0 58.6

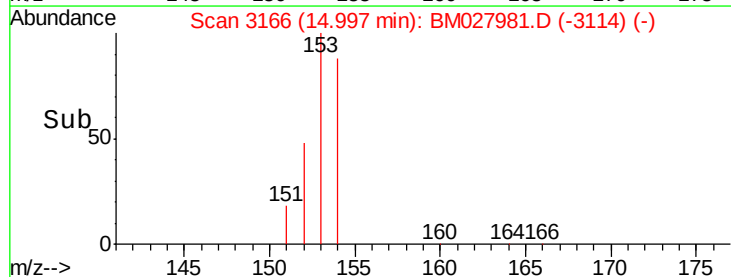
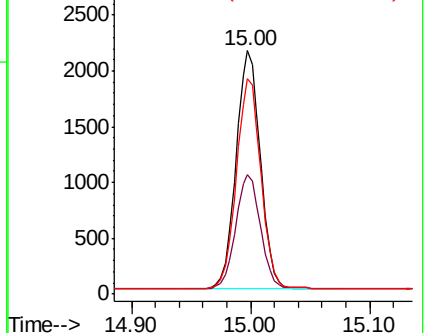
154 88.4 71.6 107.4

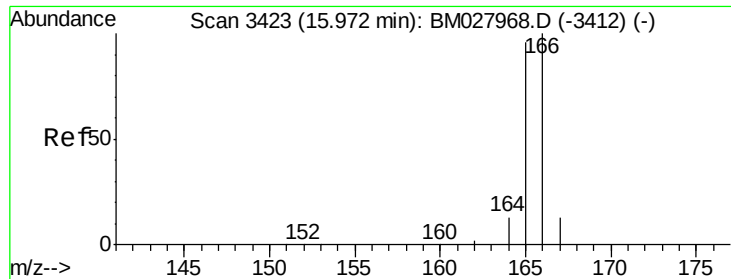


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

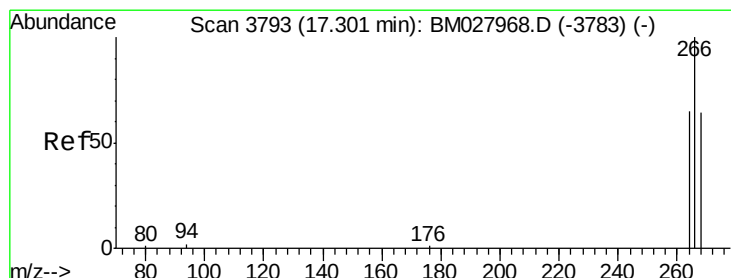
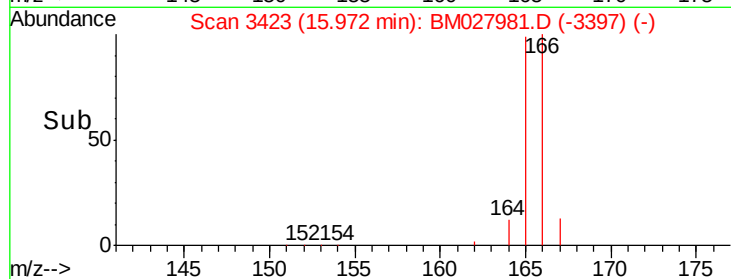
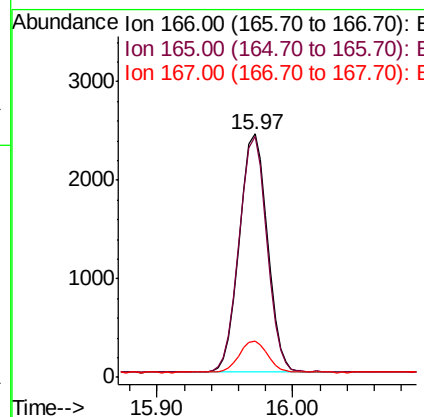
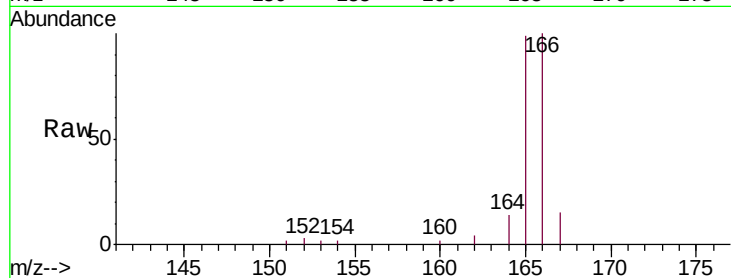




#9
Fluorene
 Concen: 0.387 ng/ul
 RT: 15.97 min Scan# 3423
 Delta R.T. 0.00 min
 Lab File: BM027981.D
 Acq: 26 Nov 2020 01:39

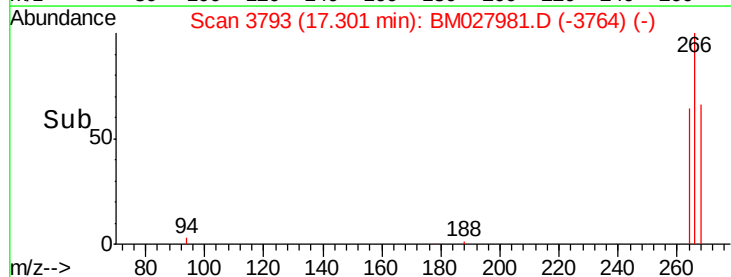
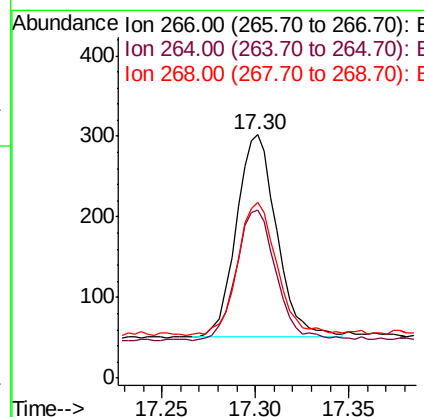
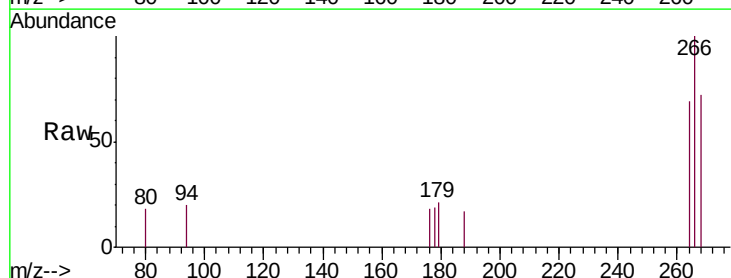
Instrument :
 BNA_M
 ClientSampleId :
 SST0.446

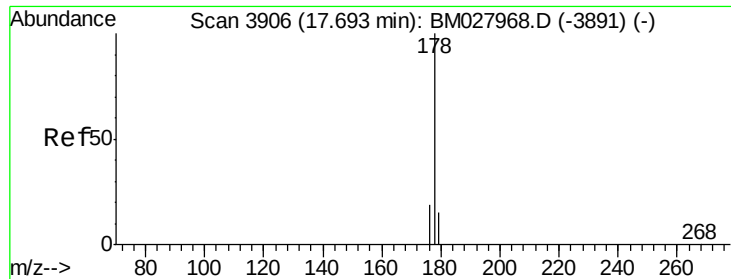
Tgt Ion:166 Resp: 3374
 Ion Ratio Lower Upper
 166 100
 165 99.1 78.1 117.1
 167 15.1 11.8 17.8



#11
Pentachlorophenol
 Concen: 0.295 ng/ul
 RT: 17.30 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: BM027981.D
 Acq: 26 Nov 2020 01:39

Tgt Ion:266 Resp: 379
 Ion Ratio Lower Upper
 266 100
 264 64.6 49.6 74.4
 268 64.9 52.1 78.1





#12

Phenanthrene

Concen: 0.401 ng/ul

RT: 17.69 min Scan# 3906

Delta R.T. -0.00 min

Lab File: BM027981.D

Acq: 26 Nov 2020 01:39

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

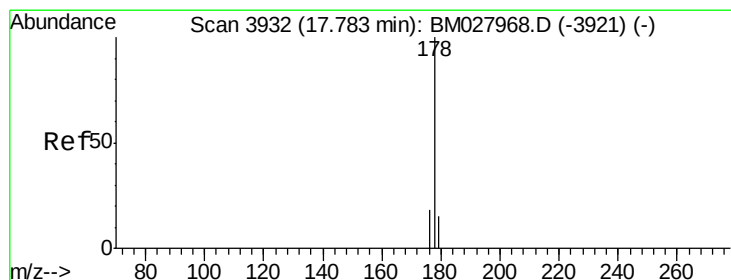
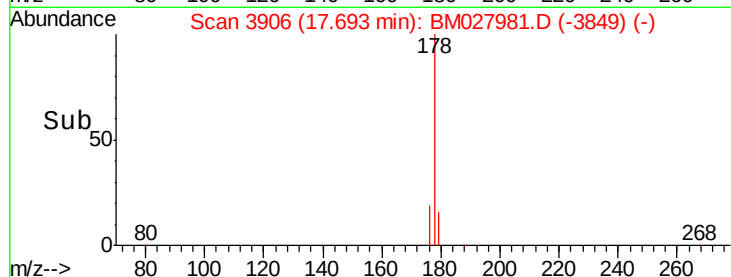
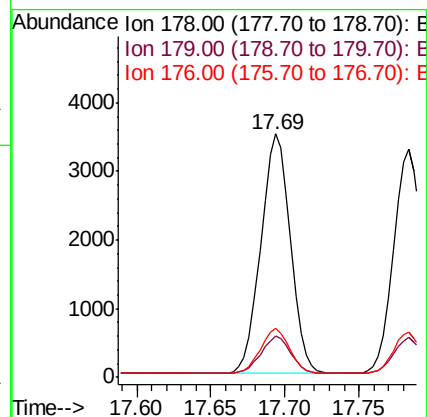
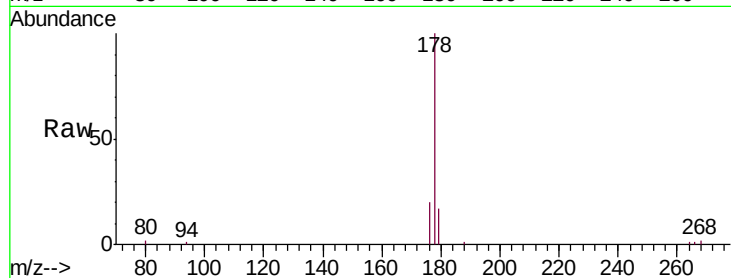
Tgt Ion:178 Resp: 4778

Ion Ratio Lower Upper

178 100

179 17.1 13.6 20.4

176 20.0 16.1 24.1



#13

Anthracene

Concen: 0.397 ng/ul

RT: 17.78 min Scan# 3932

Delta R.T. -0.00 min

Lab File: BM027981.D

Acq: 26 Nov 2020 01:39

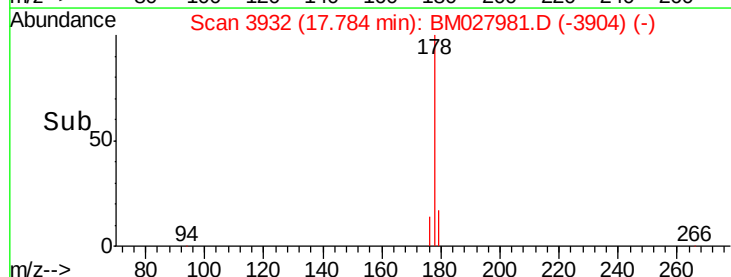
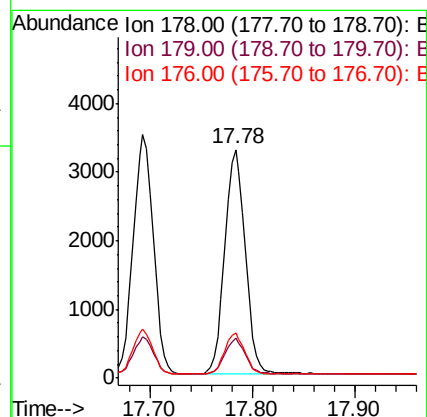
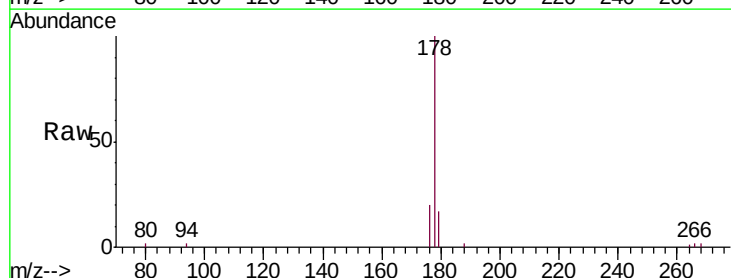
Tgt Ion:178 Resp: 4566

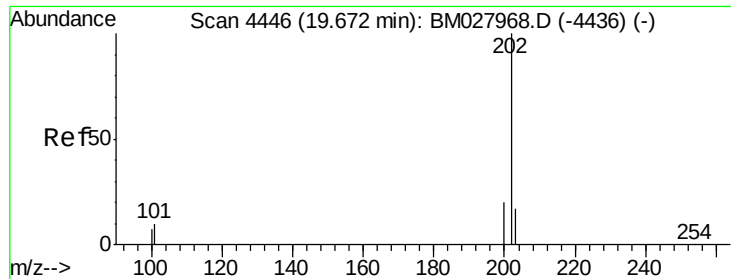
Ion Ratio Lower Upper

178 100

179 17.3 13.4 20.2

176 19.6 15.0 22.6

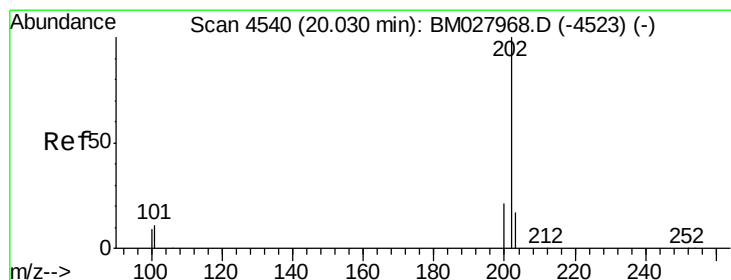
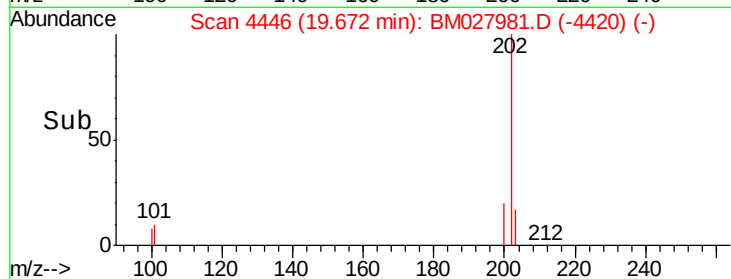
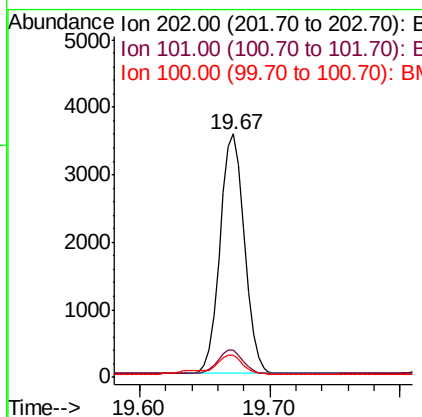
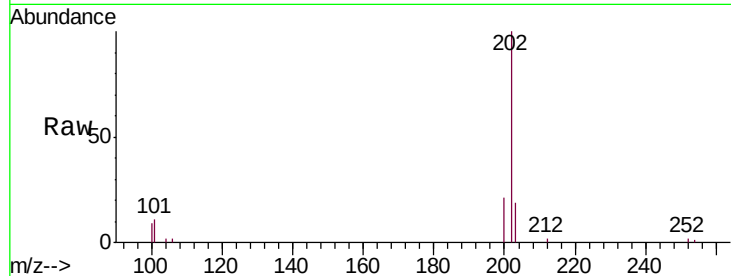




#15
Fluoranthene
 Concen: 0.348 ng/ul
 RT: 19.67 min Scan# 4446
 Delta R.T. 0.00 min
 Lab File: BM027981.D
 Acq: 26 Nov 2020 01:39

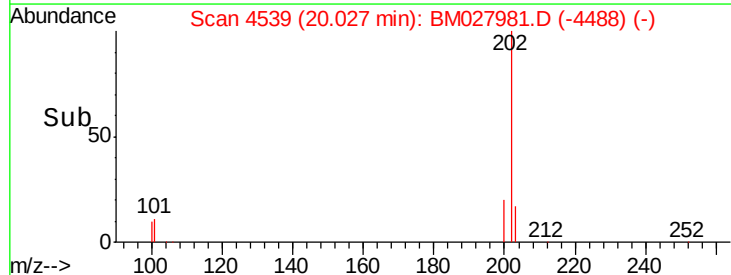
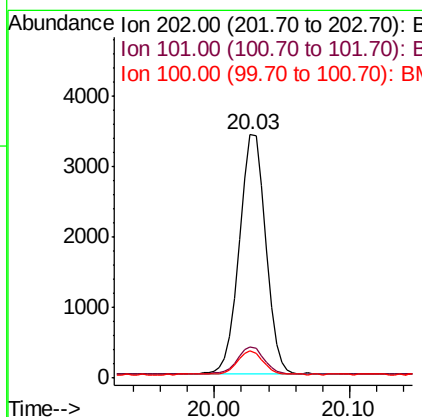
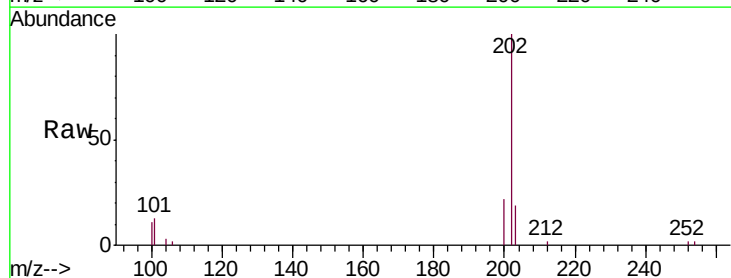
Instrument :
 BNA_M
 ClientSampleId :
 SST0.446

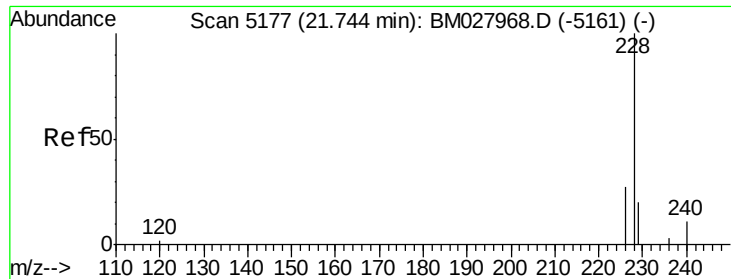
Tgt Ion:202 Resp: 4595
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 29.3
 100 9.1 0.0 27.4



#17
Pyrene
 Concen: 0.415 ng/ul
 RT: 20.03 min Scan# 4539
 Delta R.T. -0.00 min
 Lab File: BM027981.D
 Acq: 26 Nov 2020 01:39

Tgt Ion:202 Resp: 4474
 Ion Ratio Lower Upper
 202 100
 101 12.8 8.2 12.2#
 100 11.2 6.9 10.3#





#18

Benzo(a)anthracene

Concen: 0.403 ng/ul

RT: 21.74 min Scan# 5174

Delta R.T. -0.00 min

Lab File: BM027981.D

Acq: 26 Nov 2020 01:39

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

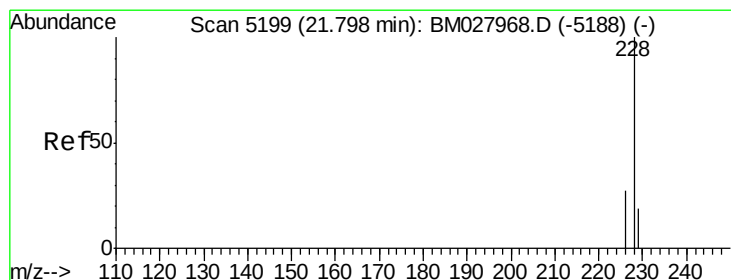
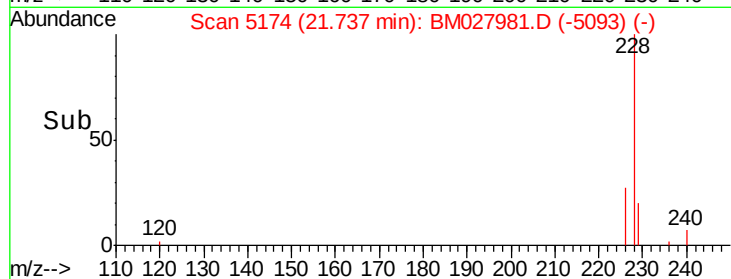
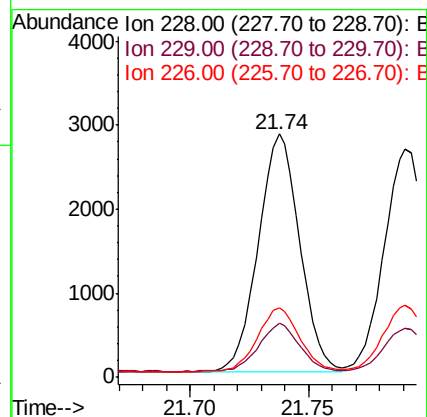
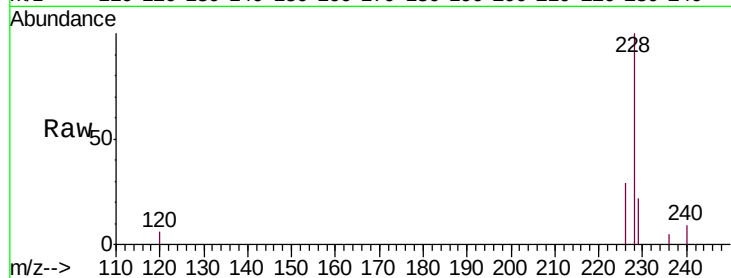
Tgt Ion:228 Resp: 3449

Ion Ratio Lower Upper

228 100

229 22.1 16.2 24.4

226 28.8 21.5 32.3



#19

Chrysene

Concen: 0.403 ng/ul

RT: 21.79 min Scan# 5196

Delta R.T. -0.01 min

Lab File: BM027981.D

Acq: 26 Nov 2020 01:39

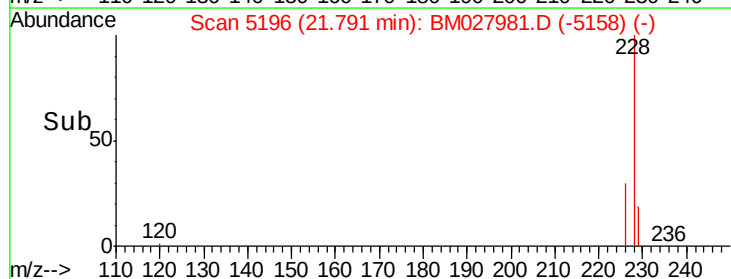
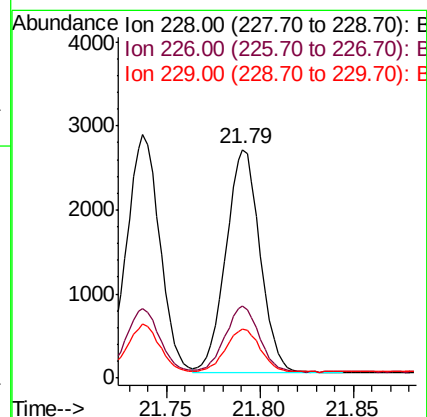
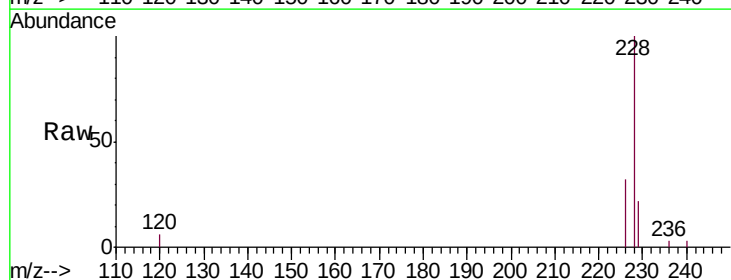
Tgt Ion:228 Resp: 3361

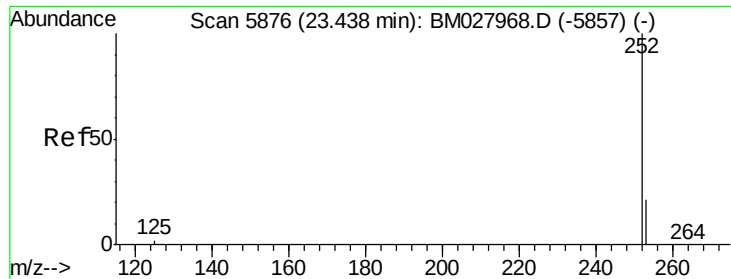
Ion Ratio Lower Upper

228 100

226 31.5 24.1 36.1

229 21.6 16.6 24.8





#21

Benzo(b)fluoranthene

Concen: 0.383 ng/ul

RT: 23.43 min Scan# 5873

Delta R.T. -0.01 min

Lab File: BM027981.D

Acq: 26 Nov 2020 01:39

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

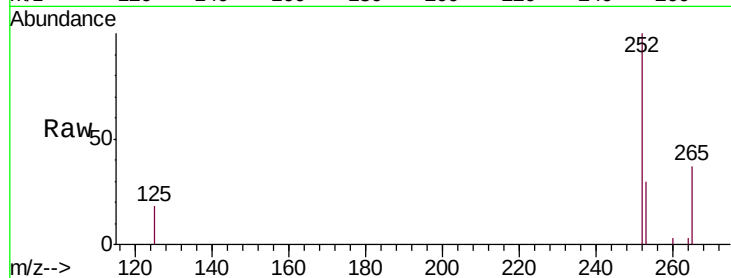
Tgt Ion:252 Resp: 3270

Ion Ratio Lower Upper

252 100

253 30.2 0.0 59.6

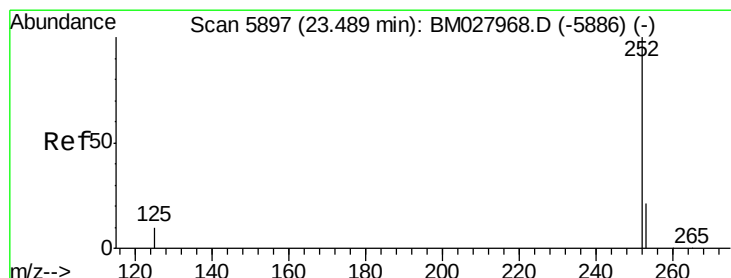
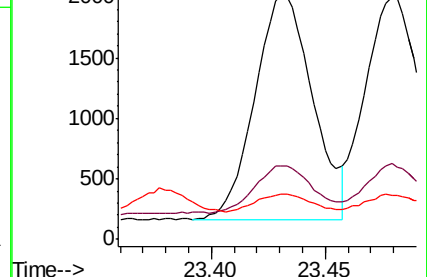
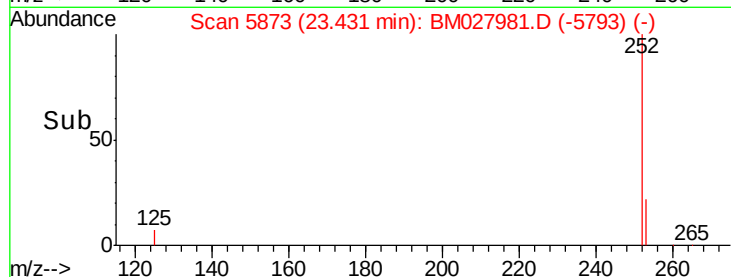
125 18.3 0.0 28.4



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



#22

Benzo(k)fluoranthene

Concen: 0.374 ng/ul

RT: 23.48 min Scan# 5893

Delta R.T. -0.01 min

Lab File: BM027981.D

Acq: 26 Nov 2020 01:39

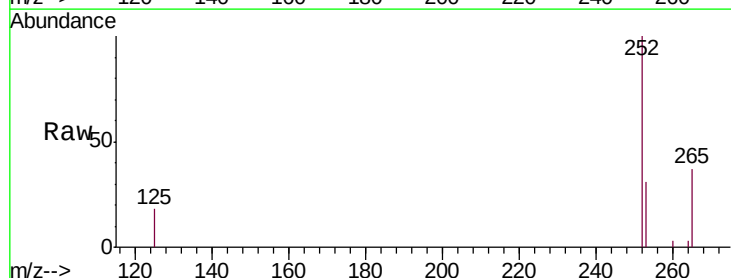
Tgt Ion:252 Resp: 3126

Ion Ratio Lower Upper

252 100

253 31.3 23.2 34.8

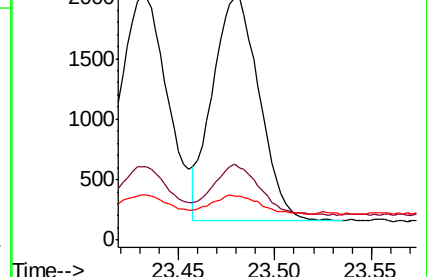
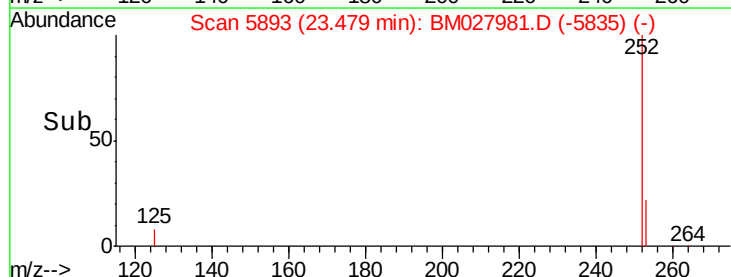
125 18.3 11.8 17.6#

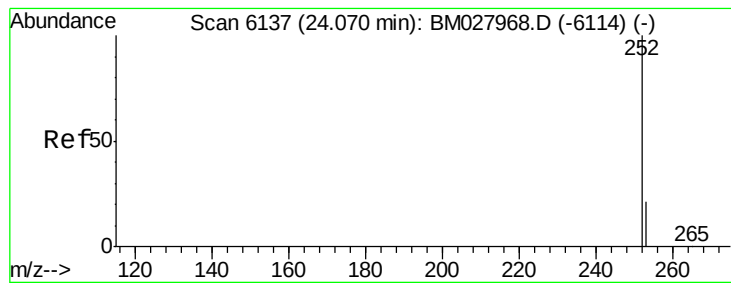


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.380 ng/ul

RT: 24.06 min Scan# 6133

Delta R.T. -0.01 min

Lab File: BM027981.D

Acq: 26 Nov 2020 01:39

Instrument :

BNA_M

ClientSampleId :

SSTD0.446

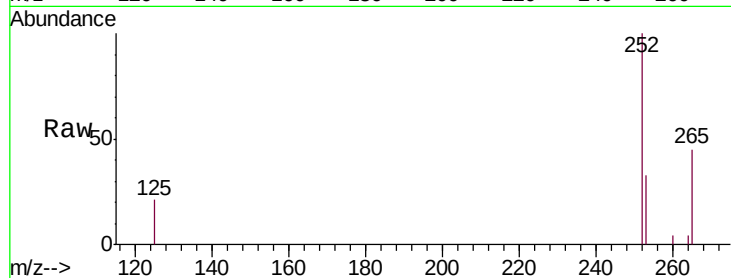
Tgt Ion:252 Resp: 2836

Ion Ratio Lower Upper

252 100

253 32.5 25.2 37.8

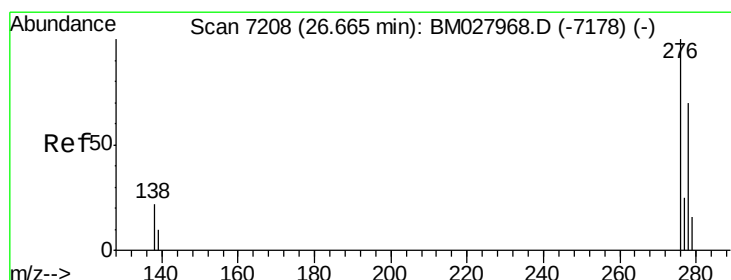
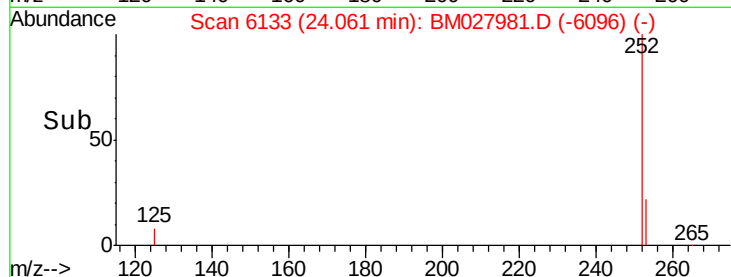
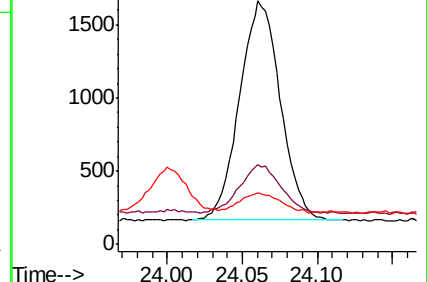
125 21.0 13.8 20.6#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.438 ng/ul

RT: 26.66 min Scan# 7206

Delta R.T. -0.01 min

Lab File: BM027981.D

Acq: 26 Nov 2020 01:39

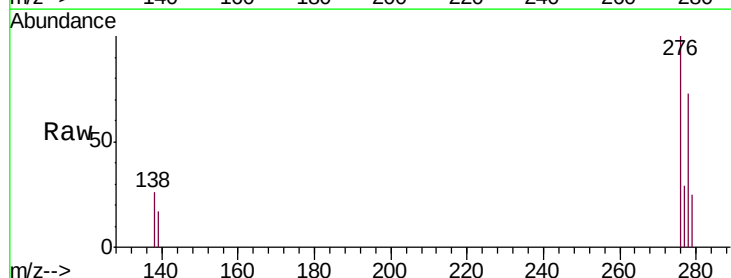
Tgt Ion:276 Resp: 3538

Ion Ratio Lower Upper

276 100

138 21.7 15.7 23.5

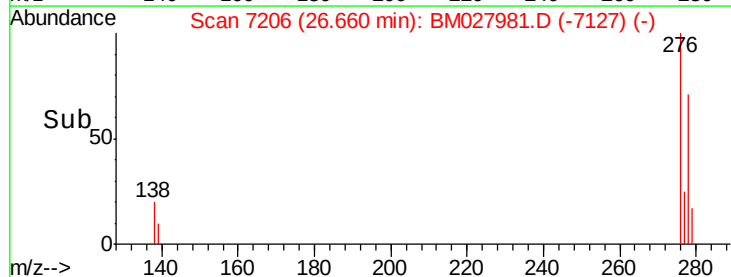
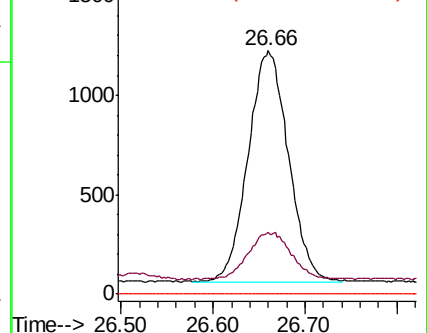
227 0.0 0.0 0.0

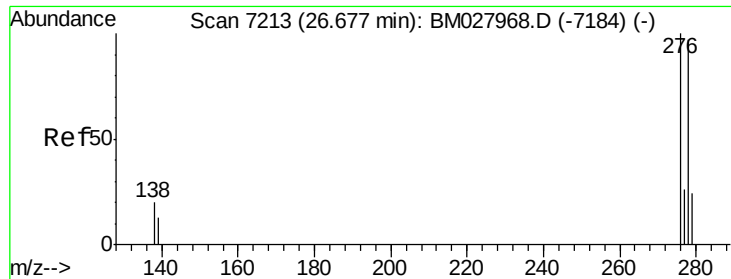


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



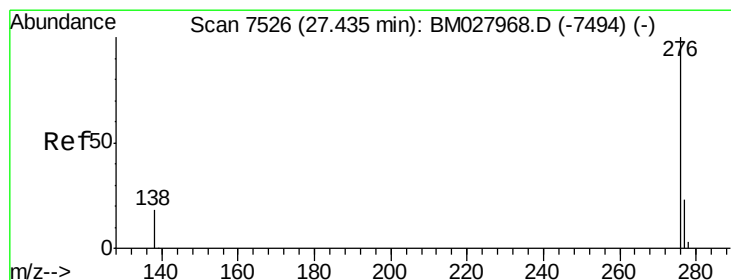
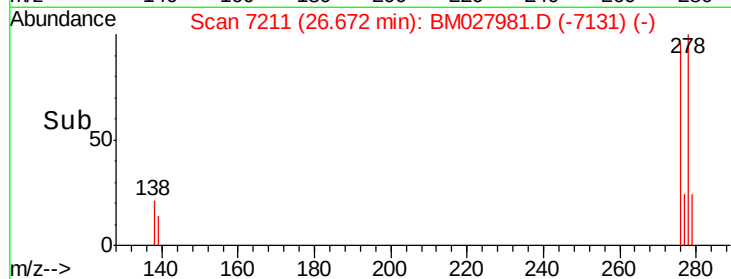
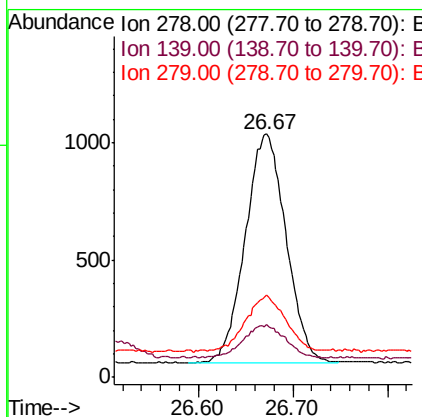
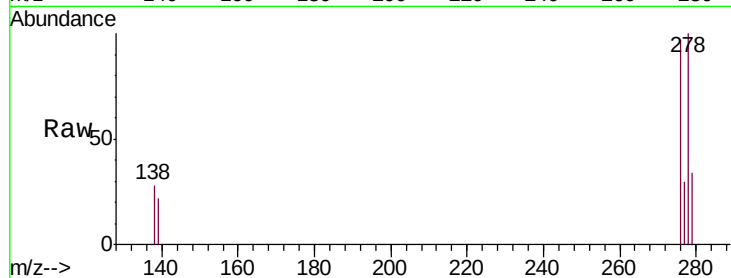


#25
Dibenzo(a,h)anthracene
Concen: 0.432 ng/ul
RT: 26.67 min Scan# 7211
Delta R.T. -0.01 min
Lab File: BM027981.D
Acq: 26 Nov 2020 01:39

Instrument :
BNA_M
ClientSampleId :
SSTD0.446

Tgt Ion: 278 Resp: 2911

Ion	Ratio	Lower	Upper
278	100		
139	21.8	14.8	22.2
279	33.8	25.8	38.6



#26
Benzo(g,h,i)perylene
Concen: 0.441 ng/ul
RT: 27.43 min Scan# 7523
Delta R.T. -0.01 min
Lab File: BM027981.D
Acq: 26 Nov 2020 01:39

Tgt Ion: 276 Resp: 2992

Ion	Ratio	Lower	Upper
276	100		
138	23.6	17.4	26.2
277	29.3	22.5	33.7

