

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032321\
 Data File : BM029191.D
 Acq On : 22 Mar 2021 23:18
 Operator : CG/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

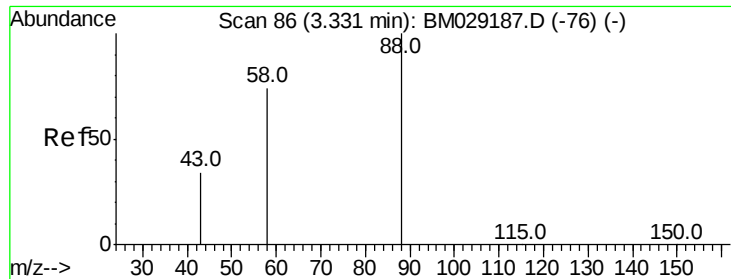
Instrument :
 BNA_M
 ClientSampleId :
 SICV007

Quant Time: Mar 23 02:28:57 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM032321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 23 02:27:01 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	2326	0.40	ng/ul	0.00
4) Naphthalene-d8	10.55	136	7287	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.39	164	3639	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.12	188	7552	0.40	ng/ul	0.00
17) Chrysene-d12	21.29	240	7527	0.40	ng/ul	0.00
23) Perylene-d12	23.52	264	7534	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.30	96	822	0.42	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.14	152	4265	0.40	ng/ul	0.00
18) Fluoranthene-d10	19.15	212	7702	0.40	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.33	88	857	0.391	ng/ul	98
5) Naphthalene	10.60	128	8524	0.398	ng/ul	99
7) 2-Methylnaphthalene	12.21	142	5536	0.392	ng/ul	99
8) 1-Methylnaphthalene	12.43	142	5334	0.396	ng/ul	99
10) Acenaphthylene	14.11	152	6324	0.397	ng/ul	99
11) Acenaphthene	14.45	153	5507	0.399	ng/ul	100
12) Fluorene	15.44	166	6010	0.391	ng/ul	99
14) Pentachlorophenol	16.77	266	765	0.380	ng/ul	97
15) Phenanthrene	17.17	178	9604	0.397	ng/ul	99
16) Anthracene	17.26	178	8125	0.392	ng/ul	100
19) Fluoranthene	19.18	202	9945	0.390	ng/ul	99
20) Pyrene	19.54	202	9961	0.390	ng/ul	99
21) Benzo(a)anthracene	21.28	228	8572	0.382	ng/ul	99
22) Chrysene	21.33	228	9993	0.391	ng/ul	99
24) Benzo(b)fluoranthene	22.85	252	10737	0.394	ng/ul	100
25) Benzo(k)fluoranthene	22.90	252	11117	0.391	ng/ul	99
26) Benzo(a)pyrene	23.43	252	8868	0.398	ng/ul	100
27) Indeno(1,2,3-cd)pyrene	25.78	276	14041	0.402	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.80	278	11768	0.402	ng/ul	99
29) Benzo(a,h,i)perylene	26.47	276	11183	0.397	ng/ul	99

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

```
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ALS Vial  : 17 Sample Multiplier: 1
```



#2

1,4-Dioxane

Concen: 0.391 ng/ul

RT: 3.33 min Scan# 86

Delta R.T. -0.00 min

Lab File: BM029191.D

Acq: 22 Mar 2021 23:18

Instrument :

BNA_M

ClientSampleId :

SICV007

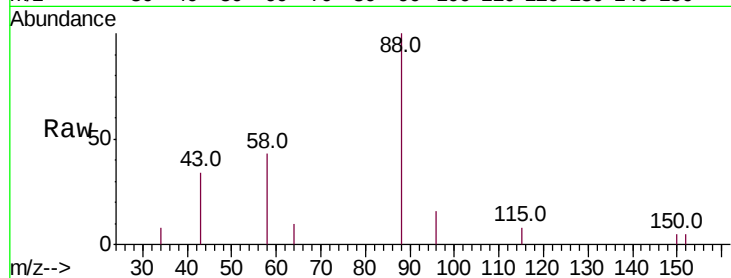
Tot Ion: 88 Resp: 857

Ion Ratio Lower Upper

88 100

43 34.3 26.1 39.1

58 43.4 33.8 50.6



Abundance Ion 88.00 (87.70 to 88.70): BM029187.D (-76) (-)

Ion 43.00 (42.70 to 43.70): BM029187.D (-76) (-)

Ion 58.00 (57.70 to 58.70): BM029187.D (-76) (-)

1500

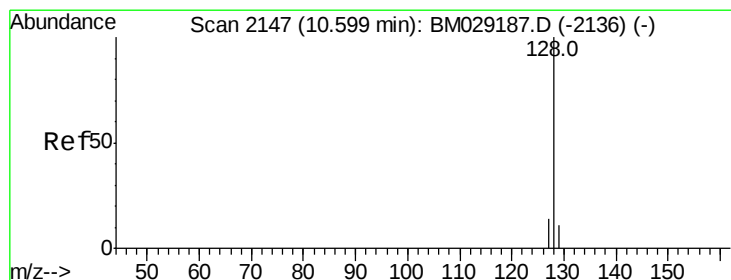
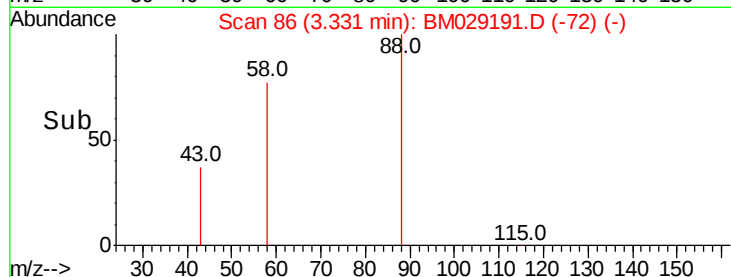
1000

500

0

3.30 3.35

Time-->



#5

Naphthalene

Concen: 0.398 ng/ul

RT: 10.60 min Scan# 2147

Delta R.T. -0.00 min

Lab File: BM029191.D

Acq: 22 Mar 2021 23:18

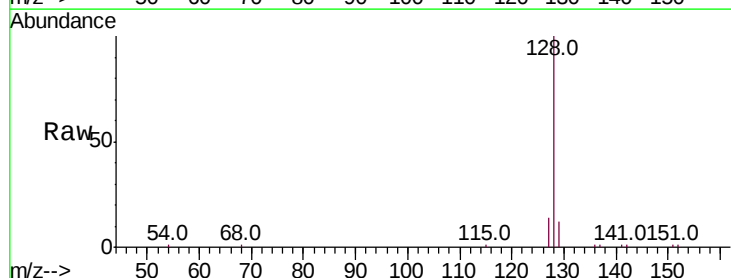
Tgt Ion: 128 Resp: 8524

Ion Ratio Lower Upper

128 100

129 11.8 9.5 14.3

127 14.0 11.8 17.8



Abundance Ion 128.00 (127.70 to 128.70): BM029187.D (-2136) (-)

Ion 129.00 (128.70 to 129.70): BM029187.D (-2136) (-)

Ion 127.00 (126.70 to 127.70): BM029187.D (-2136) (-)

6000

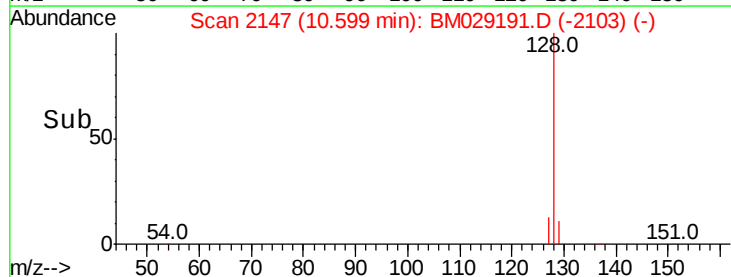
4000

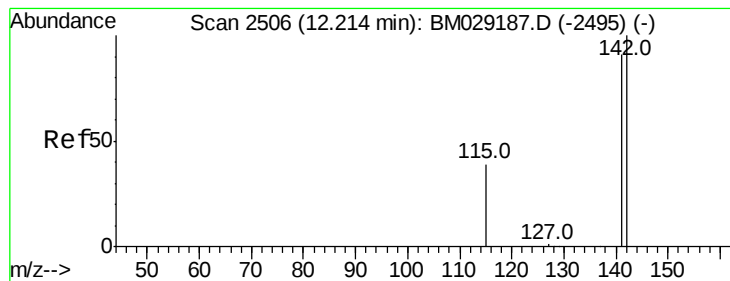
2000

0

10.50 10.60 10.70

Time-->





#7

2-Methylnaphthalene

Concen: 0.392 ng/ul

RT: 12.21 min Scan# 2506

Delta R.T. -0.00 min

Lab File: BM029191.D

Acq: 22 Mar 2021 23:18

Instrument :

BNA_M

ClientSampleId :

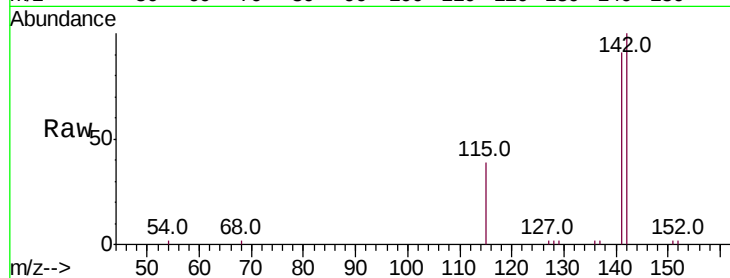
SICV007

Tot Ion:142 Resp: 5536

Ion Ratio Lower Upper

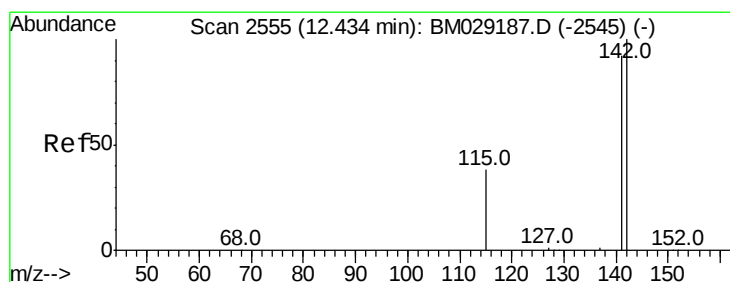
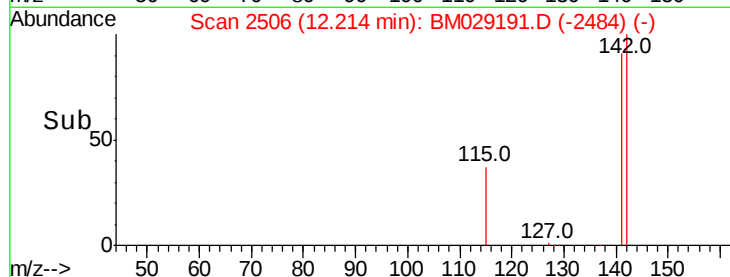
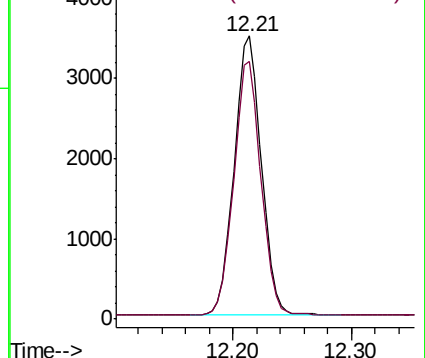
142 100

141 90.7 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.396 ng/ul

RT: 12.43 min Scan# 2554

Delta R.T. -0.00 min

Lab File: BM029191.D

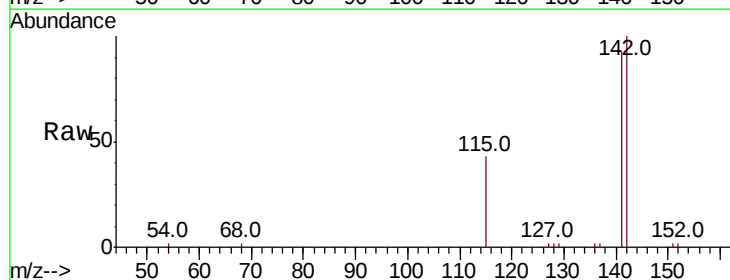
Acq: 22 Mar 2021 23:18

Tgt Ion:142 Resp: 5334

Ion Ratio Lower Upper

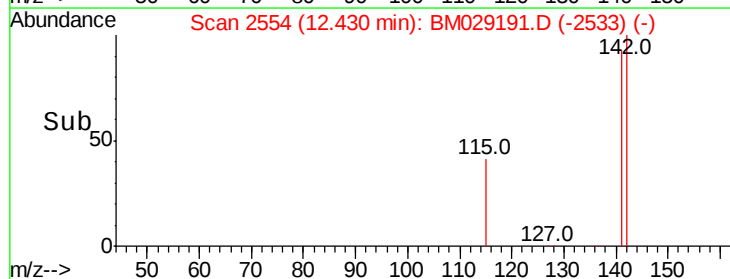
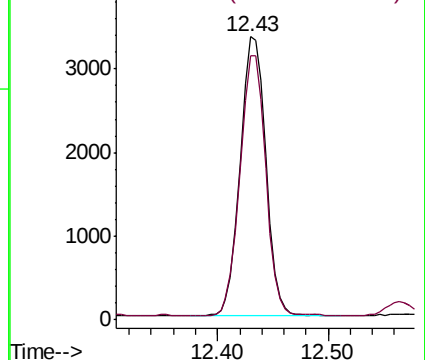
142 100

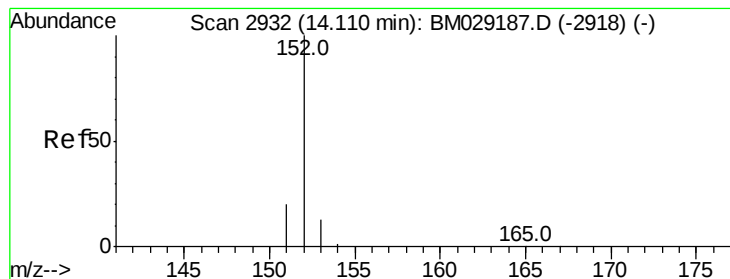
141 93.4 74.0 111.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.397 ng/ul

RT: 14.11 min Scan# 2932

Delta R.T. -0.00 min

Lab File: BM029191.D

Acq: 22 Mar 2021 23:18

Instrument :

BNA_M

ClientSampleId :

SICV007

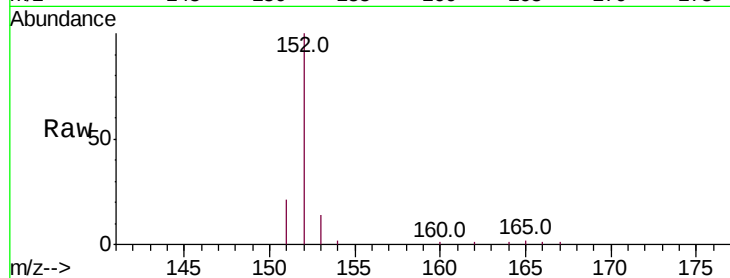
Tot Ion:152 Resp: 6324

Ion Ratio Lower Upper

152 100

151 21.2 17.2 25.8

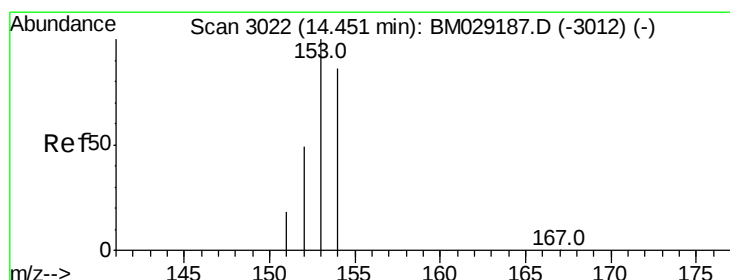
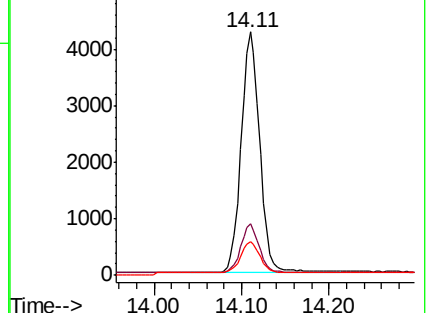
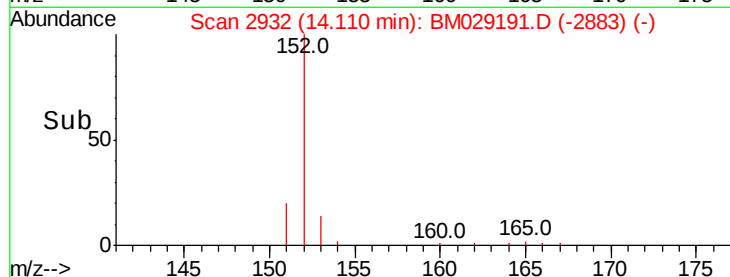
153 13.7 11.1 16.7



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



#11

Acenaphthene

Concen: 0.399 ng/ul

RT: 14.45 min Scan# 3022

Delta R.T. -0.00 min

Lab File: BM029191.D

Acq: 22 Mar 2021 23:18

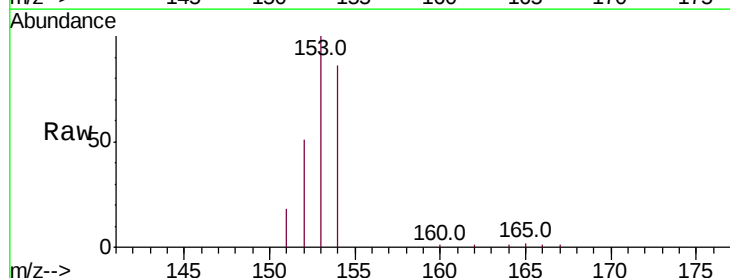
Tgt Ion:153 Resp: 5507

Ion Ratio Lower Upper

153 100

152 50.6 40.1 60.1

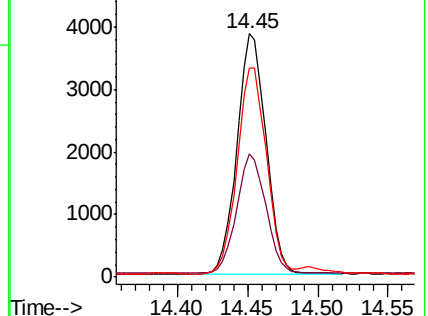
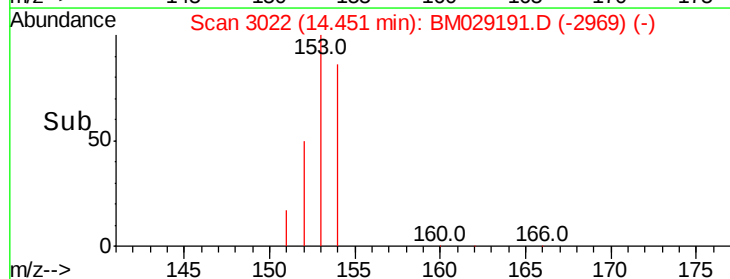
154 85.9 69.0 103.4

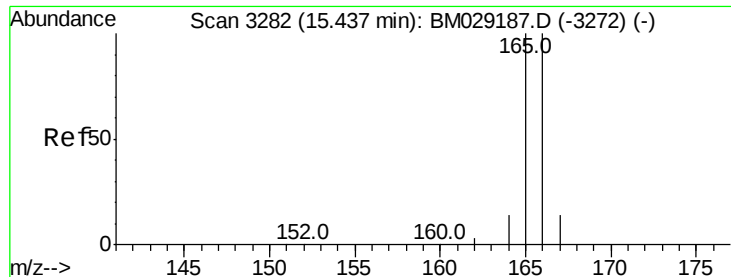


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.391 ng/ul

RT: 15.44 min Scan# 3282

Delta R.T. -0.00 min

Lab File: BM029191.D

Acq: 22 Mar 2021 23:18

Instrument :

BNA_M

ClientSampleId :

SICV007

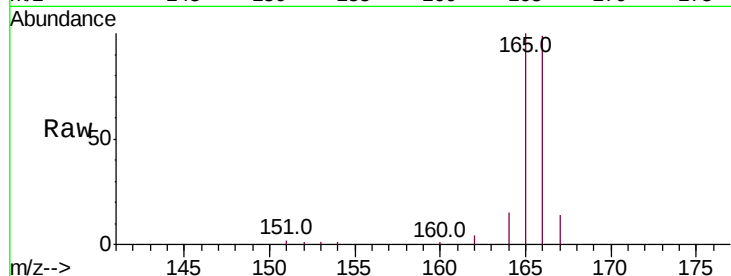
Tot Ion:166 Resp: 6010

Ion Ratio Lower Upper

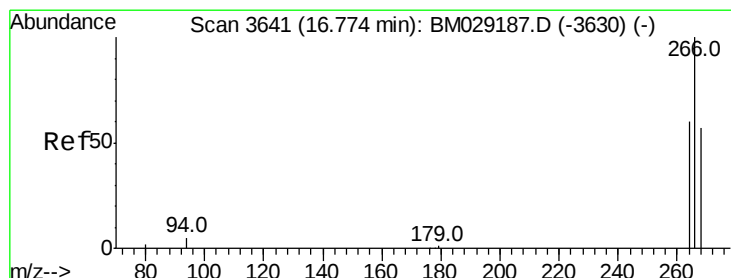
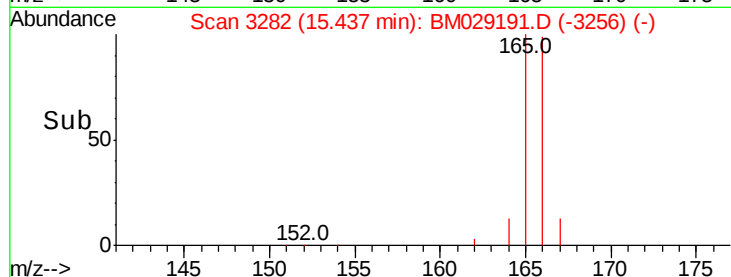
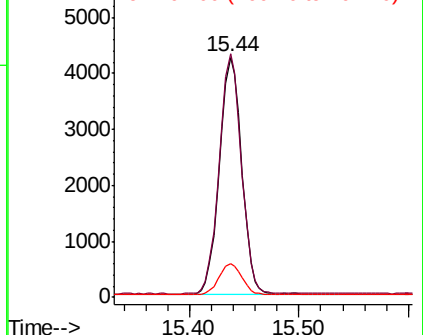
166 100

165 101.3 80.6 120.8

167 14.1 12.0 18.0



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



#14

Pentachlorophenol

Concen: 0.380 ng/ul

RT: 16.77 min Scan# 3641

Delta R.T. -0.00 min

Lab File: BM029191.D

Acq: 22 Mar 2021 23:18

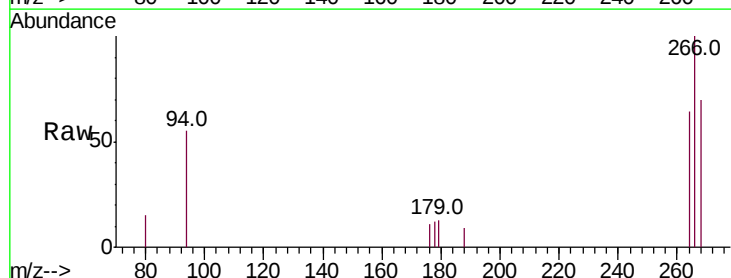
Tgt Ion:266 Resp: 765

Ion Ratio Lower Upper

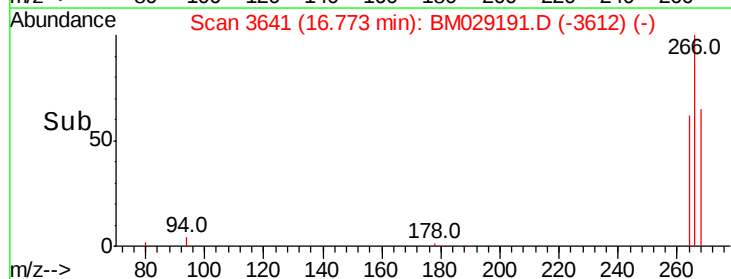
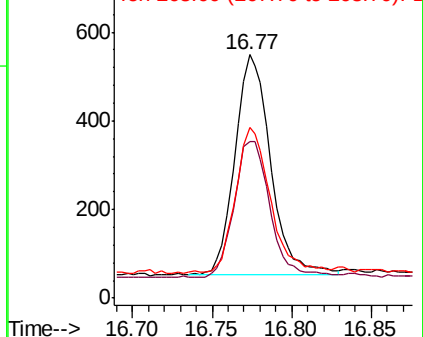
266 100

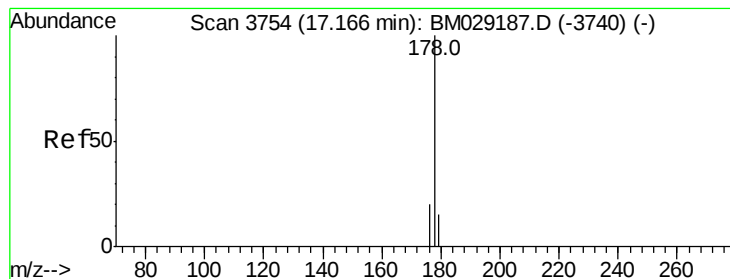
264 62.6 48.1 72.1

268 63.3 51.8 77.6



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





#15

Phenanthrene

Concen: 0.397 ng/ul

RT: 17.17 min Scan# 3754

Delta R.T. -0.00 min

Lab File: BM029191.D

Acq: 22 Mar 2021 23:18

Instrument :

BNA_M

ClientSampleId :

SICV007

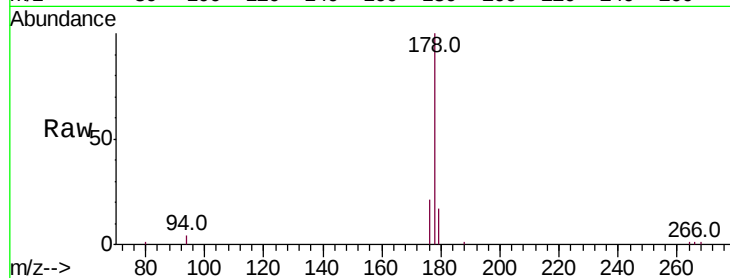
Tot Ion:178 Resp: 9604

Ion Ratio Lower Upper

178 100

179 16.5 12.9 19.3

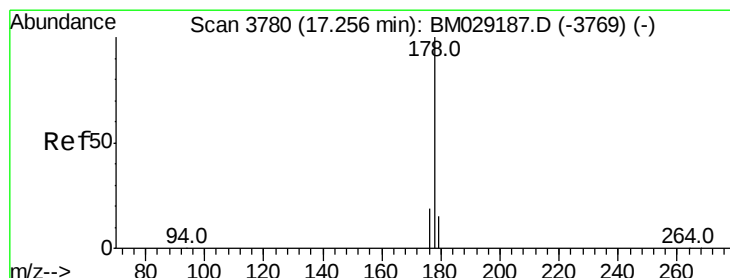
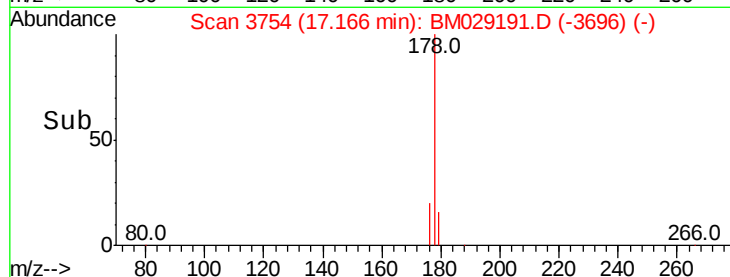
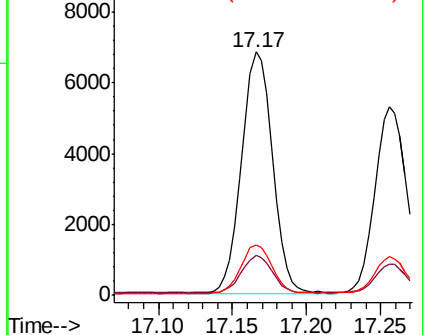
176 20.5 16.5 24.7



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



#16

Anthracene

Concen: 0.392 ng/ul

RT: 17.26 min Scan# 3780

Delta R.T. -0.00 min

Lab File: BM029191.D

Acq: 22 Mar 2021 23:18

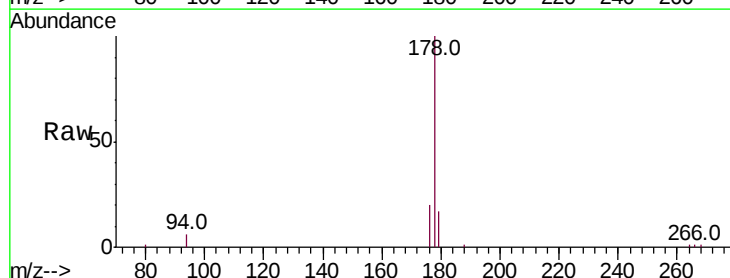
Tgt Ion:178 Resp: 8125

Ion Ratio Lower Upper

178 100

179 16.6 13.1 19.7

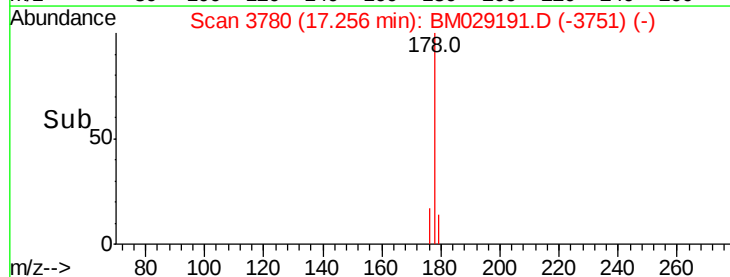
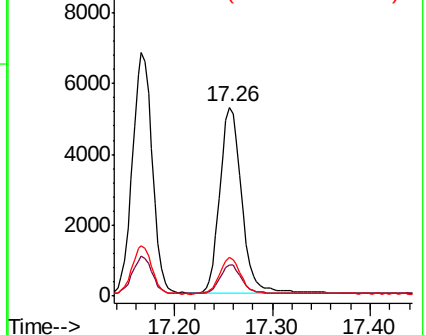
176 20.2 16.2 24.2

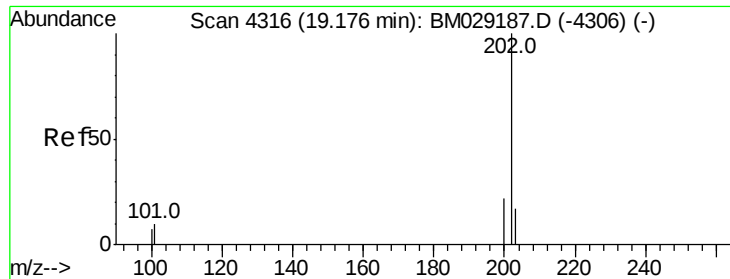


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 0.390 ng/ul

RT: 19.18 min Scan# 4316

Delta R.T. -0.00 min

Lab File: BM029191.D

Acq: 22 Mar 2021 23:18

Instrument :

BNA_M

ClientSampleId :

SICV007

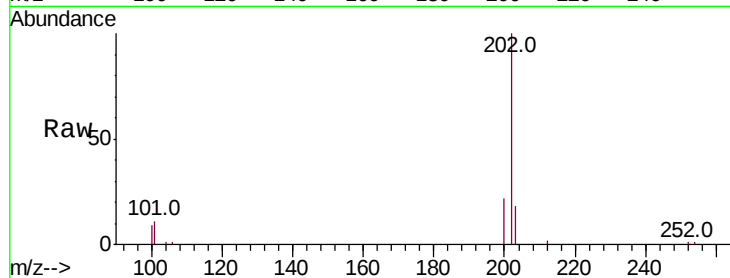
Tot Ion:202 Resp: 9945

Ion Ratio Lower Upper

202 100

101 11.4 8.7 13.1

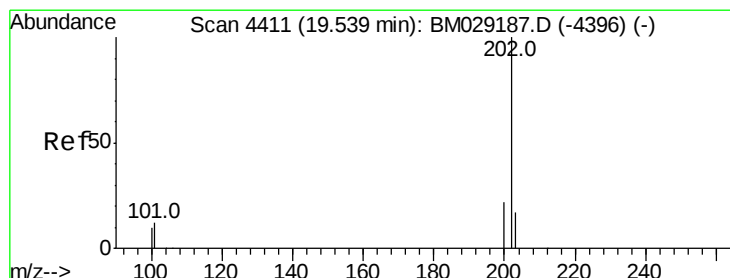
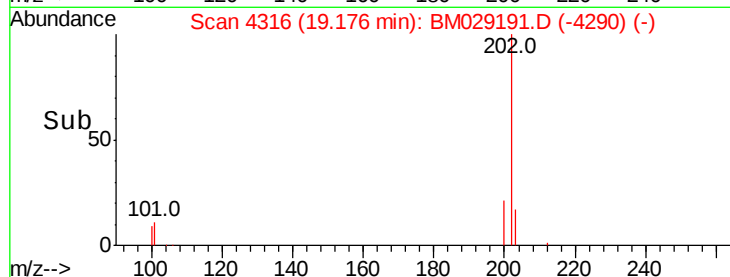
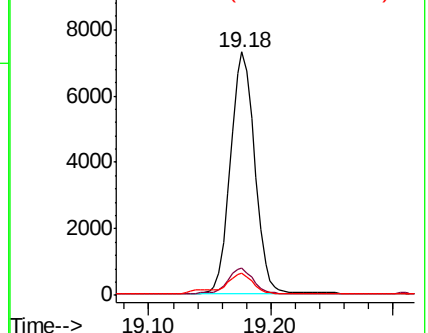
100 9.2 6.9 10.3



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



#20

Pyrene

Concen: 0.390 ng/ul

RT: 19.54 min Scan# 4411

Delta R.T. -0.00 min

Lab File: BM029191.D

Acq: 22 Mar 2021 23:18

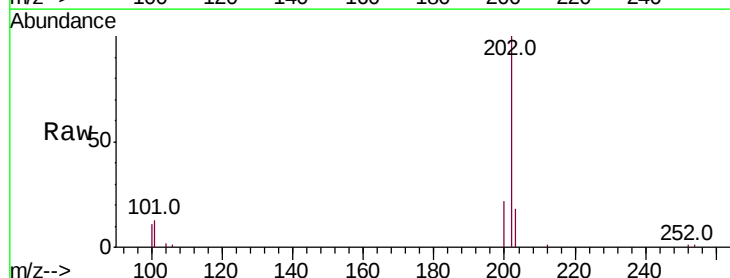
Tgt Ion:202 Resp: 9961

Ion Ratio Lower Upper

202 100

101 13.2 10.2 15.4

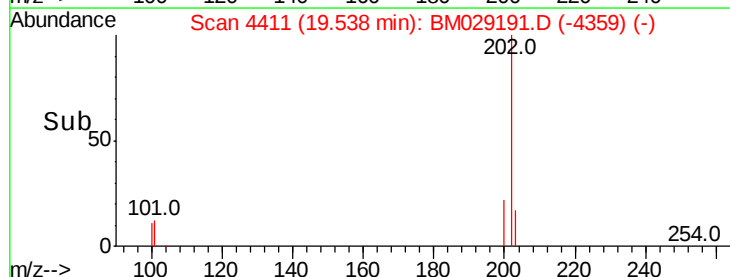
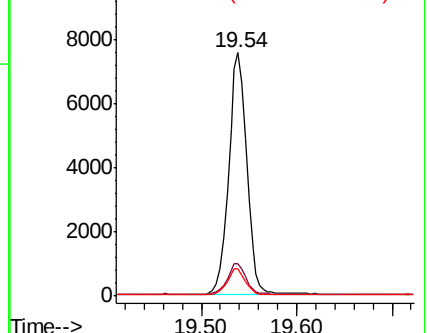
100 11.1 8.5 12.7

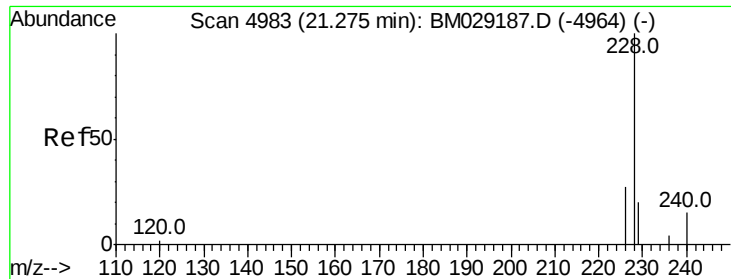


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.382 ng/ul

RT: 21.28 min Scan# 4983

Delta R.T. -0.00 min

Lab File: BM029191.D

Acq: 22 Mar 2021 23:18

Instrument :

BNA_M

ClientSampleId :

SICV007

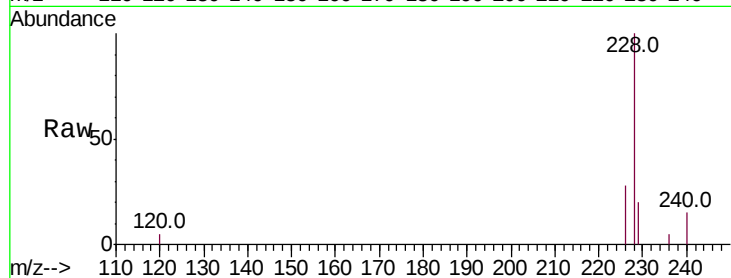
Tot Ion:228 Resp: 8572

Ion Ratio Lower Upper

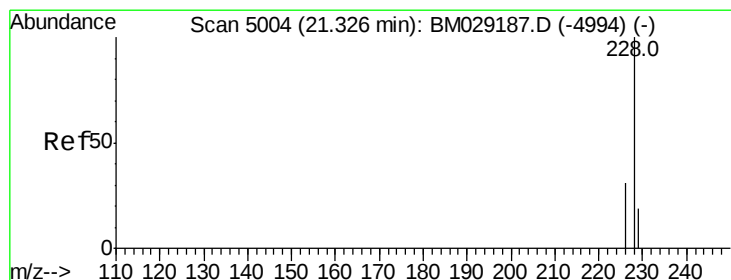
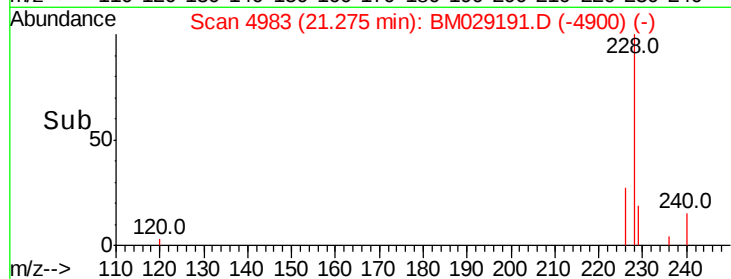
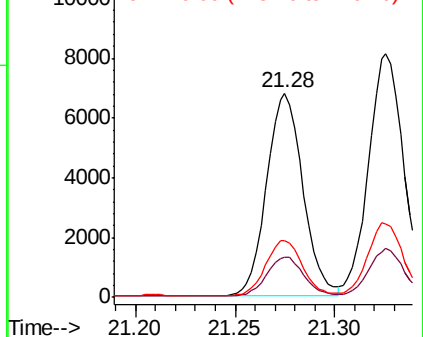
228 100

229 19.7 16.2 24.2

226 27.9 22.2 33.2



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



#22

Chrysene

Concen: 0.391 ng/ul

RT: 21.33 min Scan# 5004

Delta R.T. -0.00 min

Lab File: BM029191.D

Acq: 22 Mar 2021 23:18

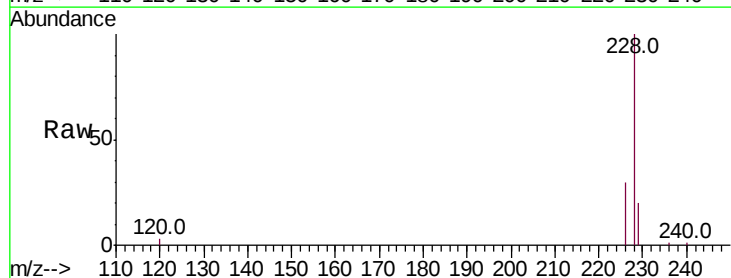
Tgt Ion:228 Resp: 9993

Ion Ratio Lower Upper

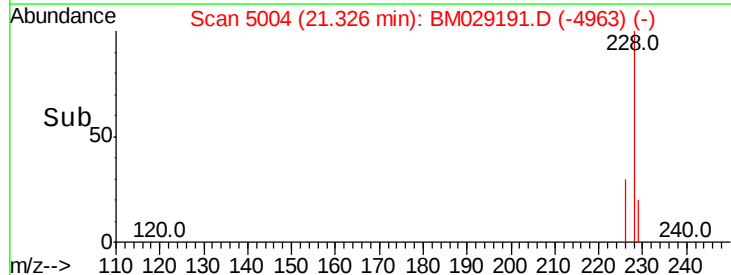
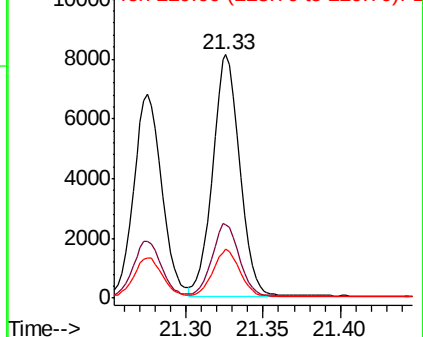
228 100

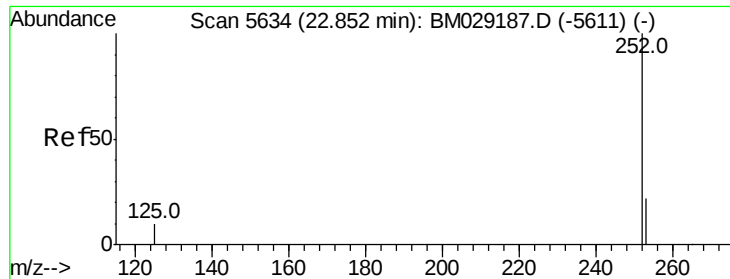
226 30.3 25.0 37.4

229 20.4 16.0 24.0



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





#24

Benzo(b)fluoranthene

Concen: 0.394 ng/ul

RT: 22.85 min Scan# 5634

Delta R.T. -0.00 min

Lab File: BM029191.D

Acq: 22 Mar 2021 23:18

Instrument :

BNA_M

ClientSampleId :

SICV007

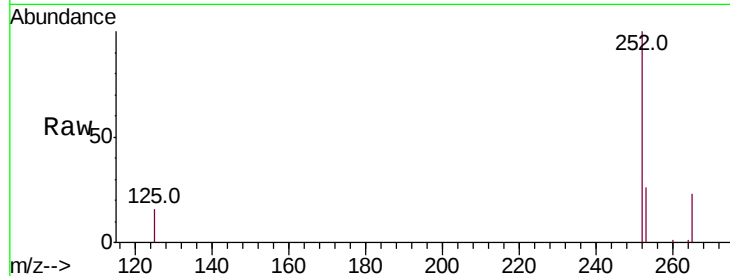
Tot Ion:252 Resp: 10737

Ion Ratio Lower Upper

252 100

253 26.2 0.0 52.4

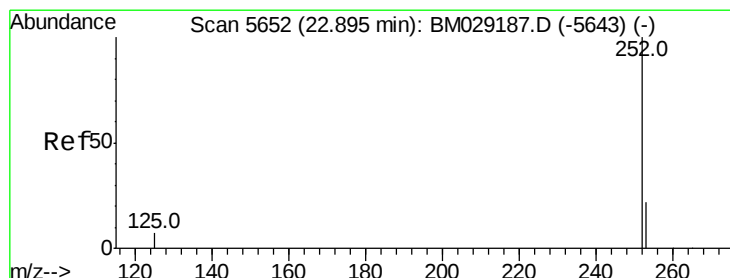
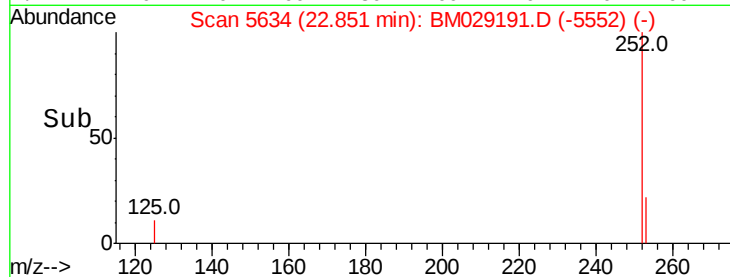
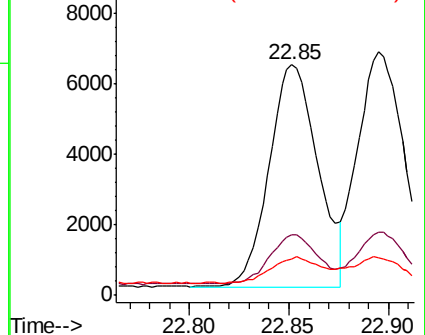
125 15.9 0.0 31.0



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



#25

Benzo(k)fluoranthene

Concen: 0.391 ng/ul

RT: 22.90 min Scan# 5652

Delta R.T. -0.00 min

Lab File: BM029191.D

Acq: 22 Mar 2021 23:18

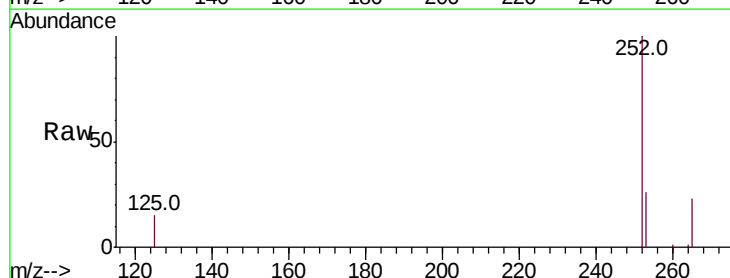
Tgt Ion:252 Resp: 11117

Ion Ratio Lower Upper

252 100

253 25.9 21.1 31.7

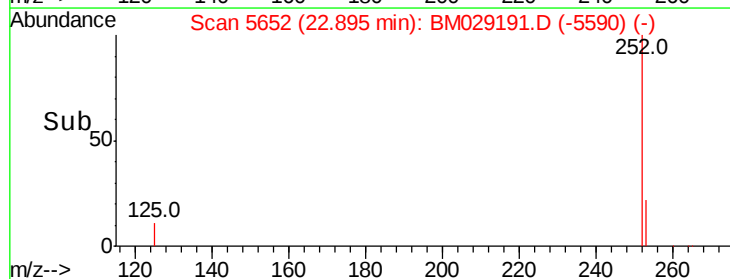
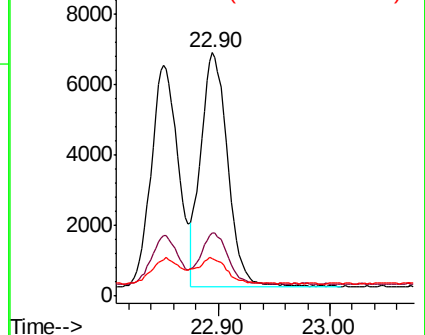
125 15.5 12.6 19.0

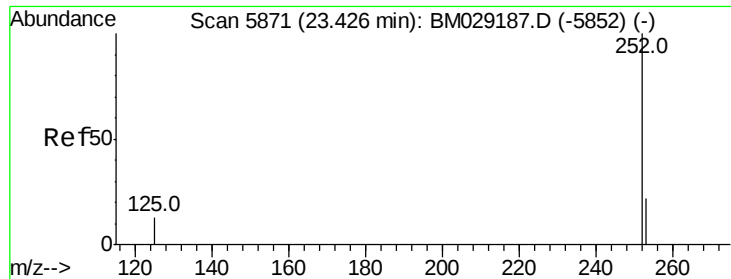


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.398 ng/ul

RT: 23.43 min Scan# 5871

Delta R.T. -0.00 min

Lab File: BM029191.D

Acq: 22 Mar 2021 23:18

Instrument :

BNA_M

ClientSampleId :

SICV007

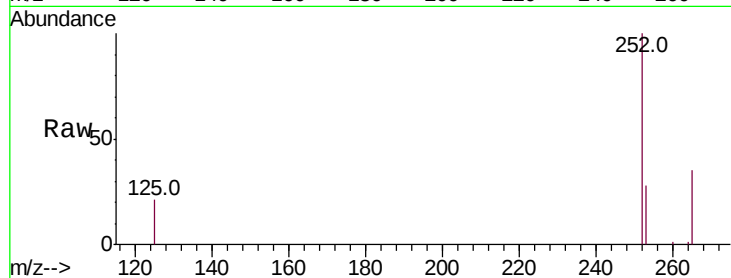
Tot Ion:252 Resp: 8868

Ion Ratio Lower Upper

252 100

253 28.3 22.6 33.8

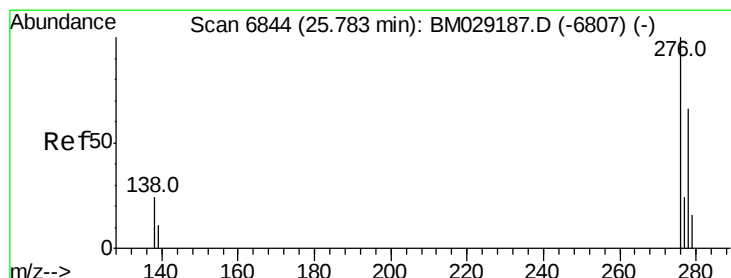
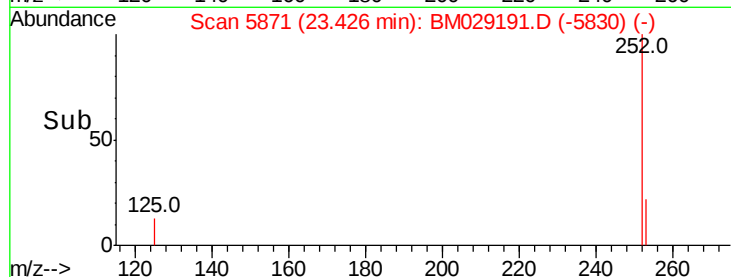
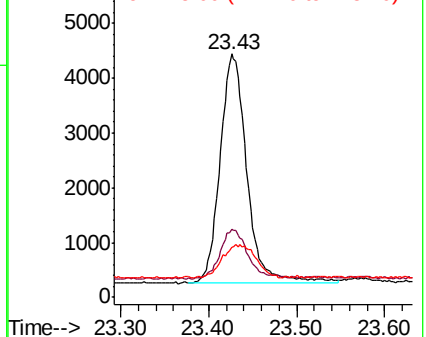
125 20.7 16.4 24.6



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.402 ng/ul

RT: 25.78 min Scan# 6843

Delta R.T. -0.00 min

Lab File: BM029191.D

Acq: 22 Mar 2021 23:18

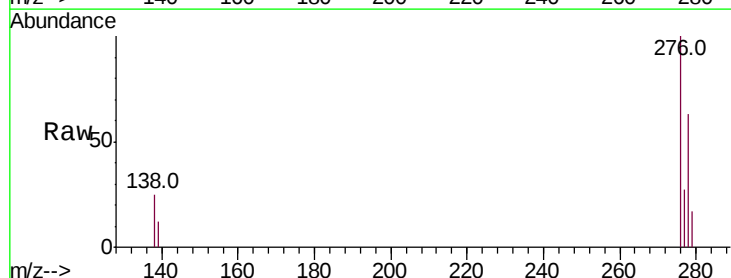
Tgt Ion:276 Resp: 14041

Ion Ratio Lower Upper

276 100

138 25.8 20.6 30.8

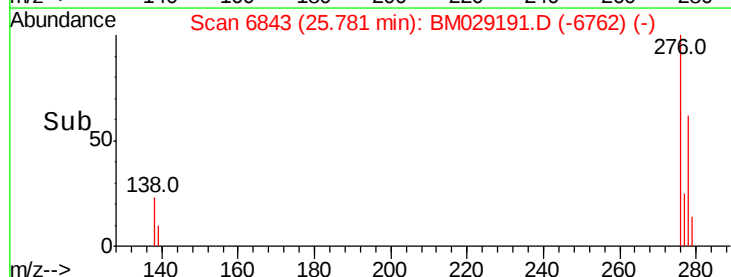
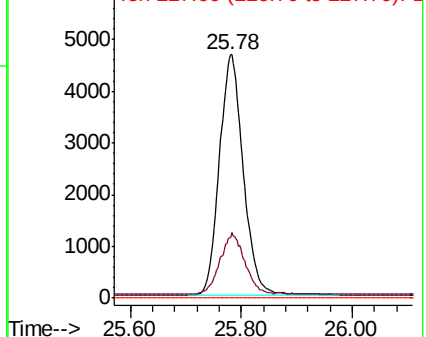
227 0.0 0.0 0.0

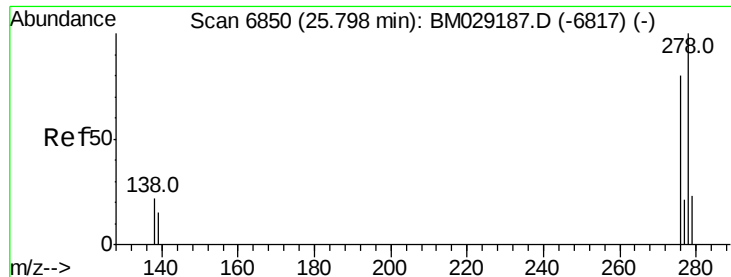


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.402 ng/ul

RT: 25.80 min Scan# 6849

Delta R.T. -0.00 min

Lab File: BM029191.D

Acq: 22 Mar 2021 23:18

Instrument :

BNA_M

ClientSampled :

SICV007

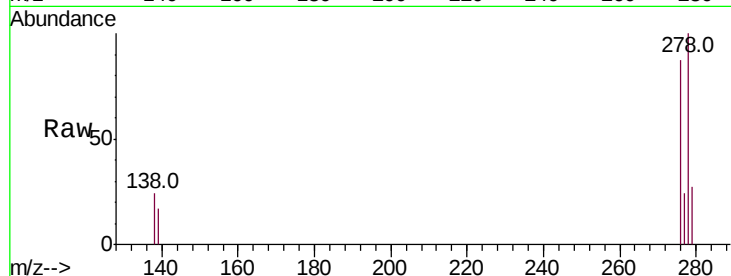
Tot Ion:278 Resp: 11768

Ion Ratio Lower Upper

278 100

139 17.0 13.6 20.4

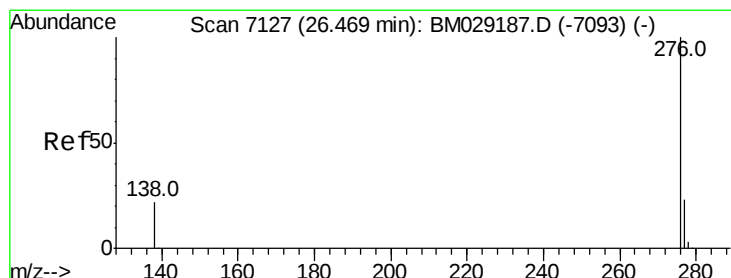
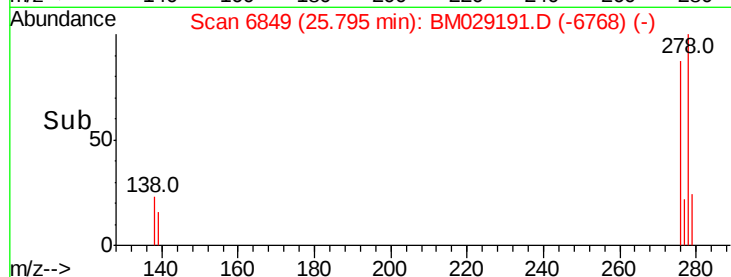
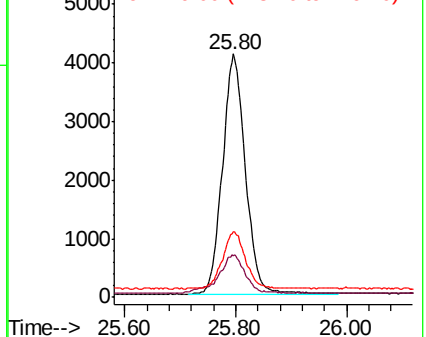
279 26.9 21.2 31.8



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



#29

Benzo(g,h,i)perylene

Concen: 0.397 ng/ul

RT: 26.47 min Scan# 7127

Delta R.T. -0.00 min

Lab File: BM029191.D

Acq: 22 Mar 2021 23:18

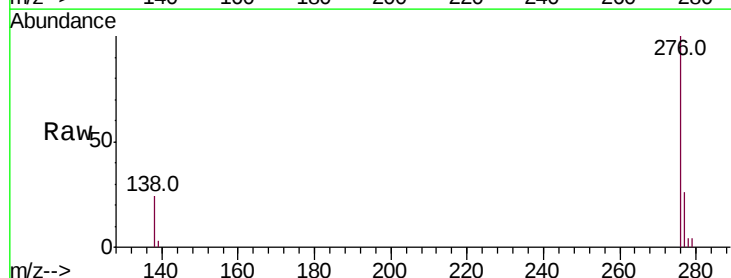
Tgt Ion:276 Resp: 11183

Ion Ratio Lower Upper

276 100

138 23.5 19.3 28.9

277 25.7 19.8 29.8



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

