

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032321\
 Data File : BM029190.D
 Acq On : 22 Mar 2021 22:42
 Operator : CG/JU
 Sample : SSTD3.206
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD3.2006

Quant Time: Mar 23 02:12:55 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 02:06:52 2021
 Response via : Initial Calibration

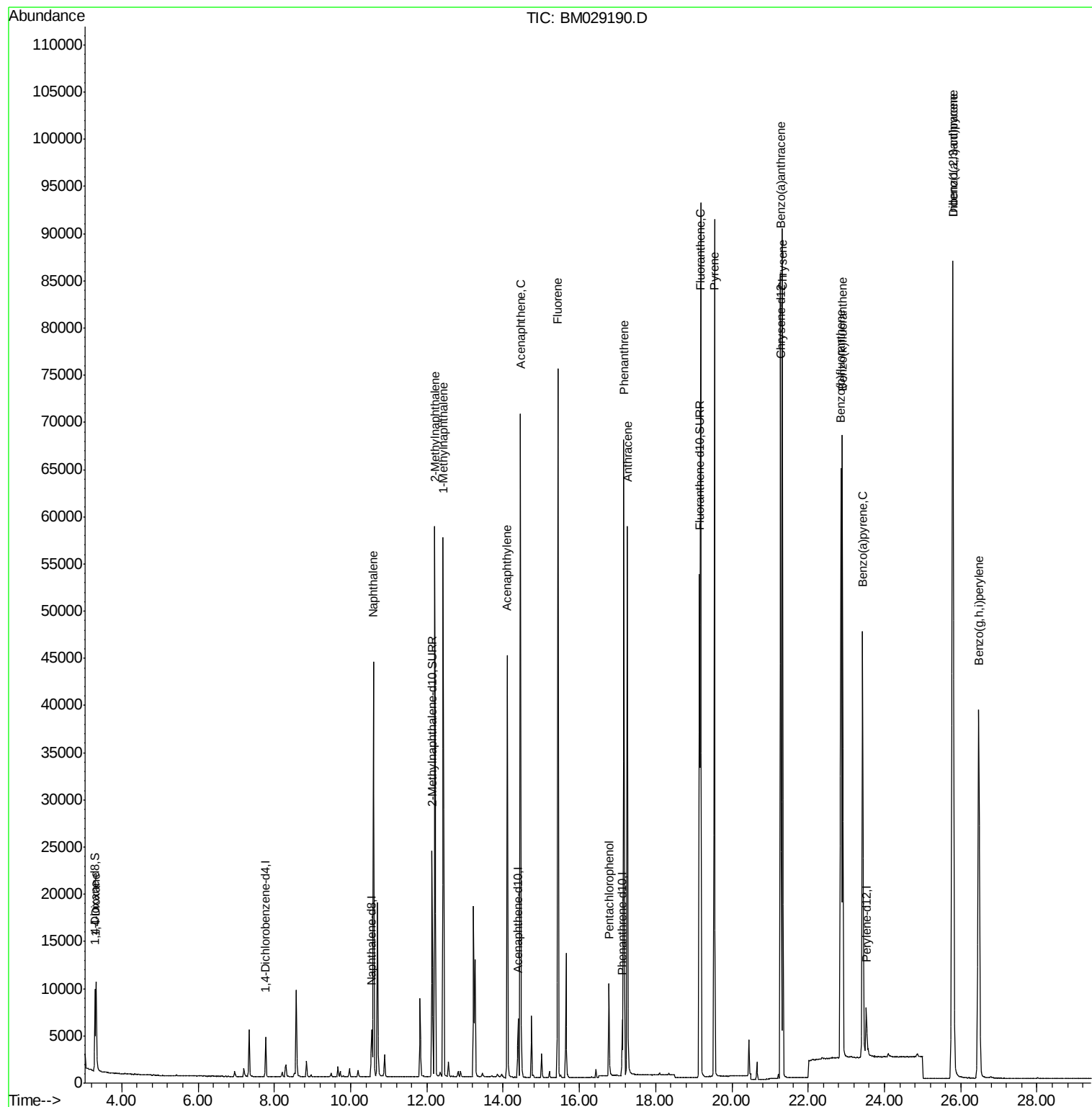
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	2072	0.40	ng/ul	0.00
4) Naphthalene-d8	10.55	136	6596	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.39	164	3432	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.12	188	6917	0.40	ng/ul	0.00
17) Chrysene-d12	21.29	240	7459	0.40	ng/ul	0.00
23) Perylene-d12	23.53	264	6767	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.29	96	5473	2.22	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.14	152	30066	2.96	ng/ul	0.00
18) Fluoranthene-d10	19.15	212	57669	2.65	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.32	88	6428	2.659	ng/ul#	78
5) Naphthalene	10.60	128	58714	3.215	ng/ul	97
7) 2-Methylnaphthalene	12.21	142	39505	3.161	ng/ul	100
8) 1-Methylnaphthalene	12.43	142	37748	3.166	ng/ul	99
10) Acenaphthylene	14.11	152	49469	3.246	ng/ul	97
11) Acenaphthene	14.45	153	40224	3.361	ng/ul	99
12) Fluorene	15.44	166	45267	3.324	ng/ul	99
14) Pentachlorophenol	16.77	266	6011	3.170	ng/ul	97
15) Phenanthrene	17.17	178	68965	3.259	ng/ul	99
16) Anthracene	17.26	178	63544	3.253	ng/ul	97
19) Fluoranthene	19.18	202	76393	2.743	ng/ul	99
20) Pyrene	19.54	202	75044	2.635	ng/ul	99
21) Benzo(a)anthracene	21.28	228	69979	2.637	ng/ul	99
22) Chrysene	21.33	228	74293	2.710	ng/ul	99
24) Benzo(b)fluoranthene	22.85	252	78795	2.950	ng/ul	91
25) Benzo(k)fluoranthene	22.90	252	80829	3.074	ng/ul#	91
26) Benzo(a)pyrene	23.43	252	65756	2.862	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	25.78	276	99681	3.285	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.80	278	84948	3.348	ng/ul	96
29) Benzo(g,h,i)perylene	26.47	276	81441	3.187	ng/ul	97

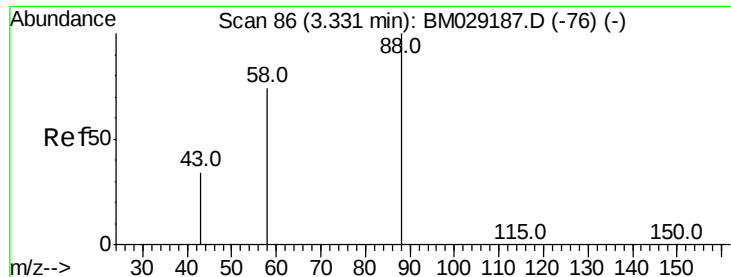
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 2.659 ng/ul

RT: 3.32 min Scan# 84

Delta R.T. -0.01 min

Lab File: BM029190.D

Acq: 22 Mar 2021 22:42

Instrument :

BNA_M

ClientSampleId :

SSTD3.2006

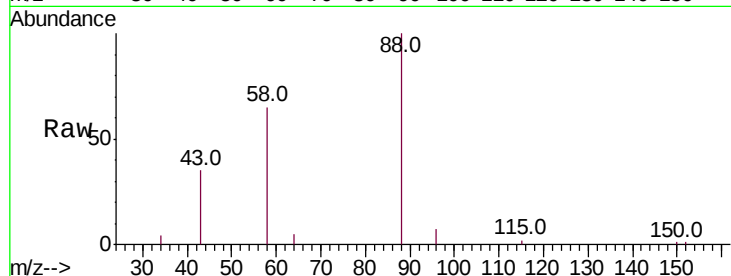
Tot Ion: 88 Resp: 6428

Ion Ratio Lower Upper

88 100

43 34.7 26.1 39.1

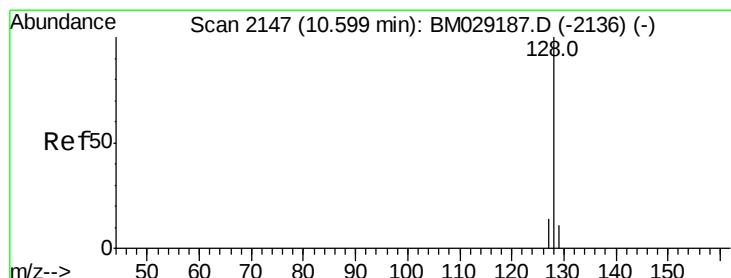
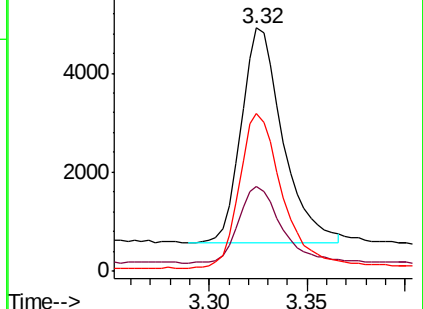
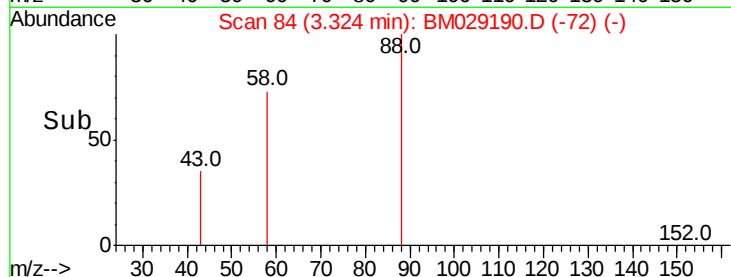
58 65.0 33.8 50.6#



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) (-)



#5

Naphthalene

Concen: 3.215 ng/ul

RT: 10.60 min Scan# 2147

Delta R.T. -0.00 min

Lab File: BM029190.D

Acq: 22 Mar 2021 22:42

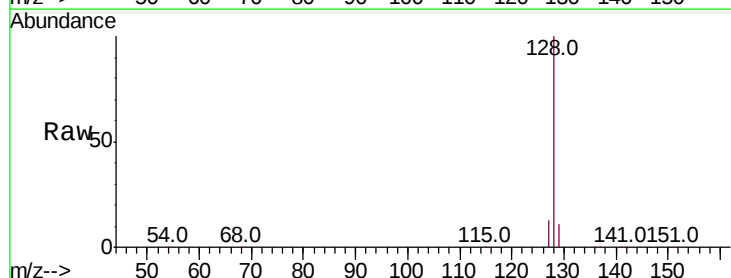
Tgt Ion: 128 Resp: 58714

Ion Ratio Lower Upper

128 100

129 11.0 9.5 14.3

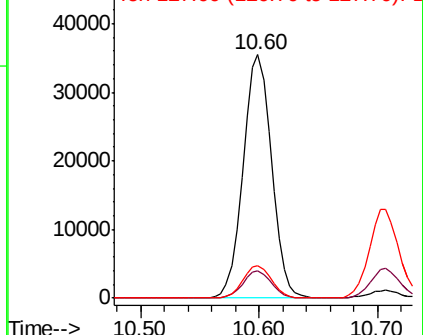
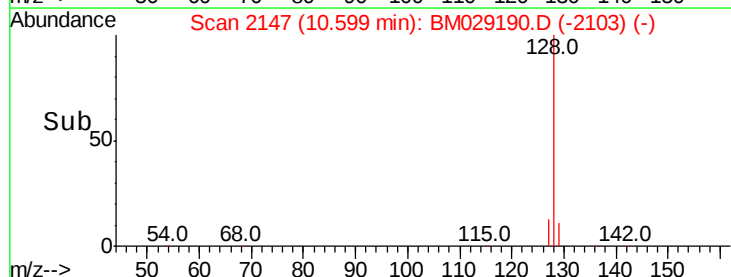
127 13.1 11.8 17.8

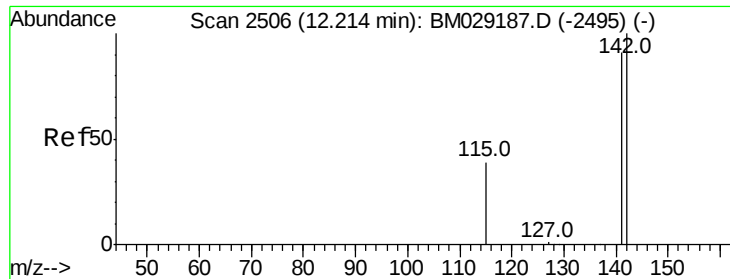


Abundance Ion 128.00 (127.70 to 128.70): BM029187.D (-2136) (-)

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

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





#7

2-Methylnaphthalene

Concen: 3.161 ng/ul

RT: 12.21 min Scan# 2505

Delta R.T. -0.00 min

Lab File: BM029190.D

Acq: 22 Mar 2021 22:42

Instrument :

BNA_M

ClientSampleId :

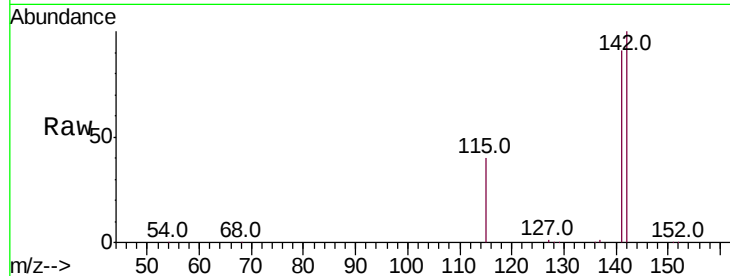
SSTD3.2006

Tot Ion:142 Resp: 39505

Ion Ratio Lower Upper

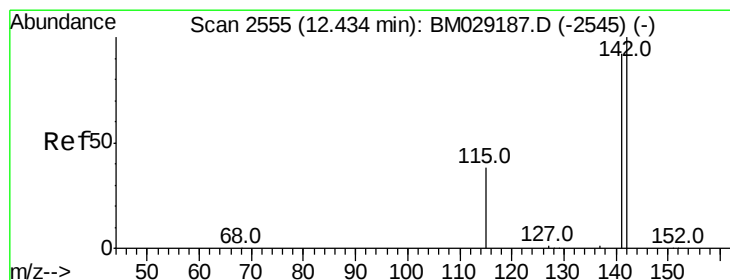
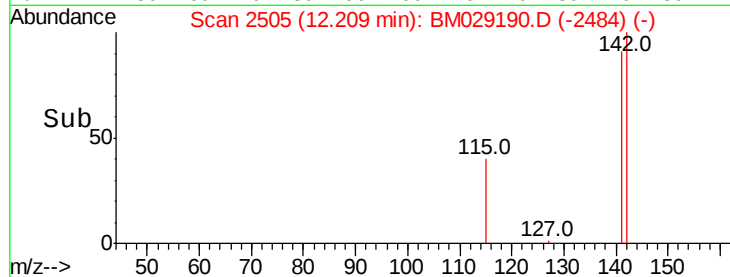
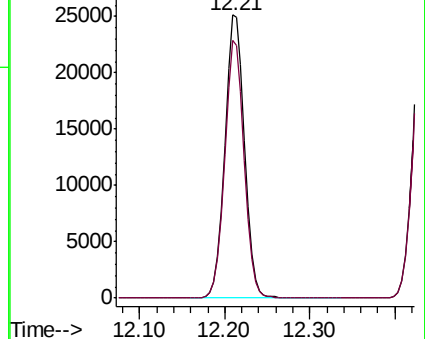
142 100

141 90.4 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: 3.166 ng/ul

RT: 12.43 min Scan# 2554

Delta R.T. -0.00 min

Lab File: BM029190.D

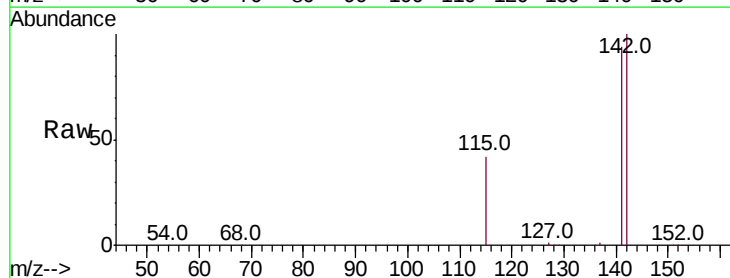
Acq: 22 Mar 2021 22:42

Tgt Ion:142 Resp: 37748

Ion Ratio Lower Upper

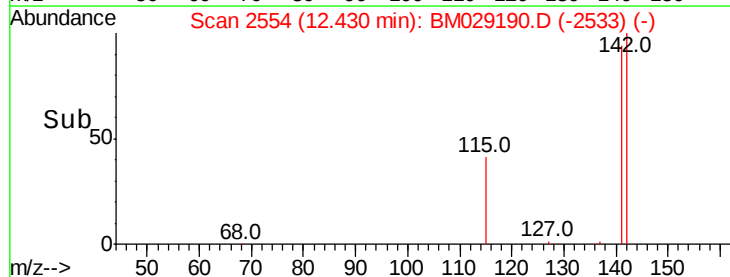
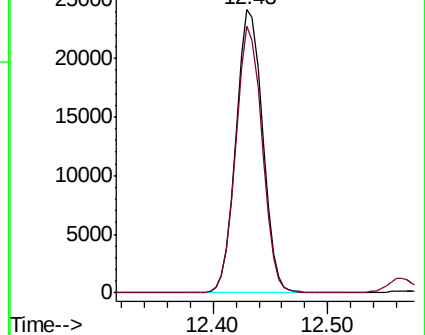
142 100

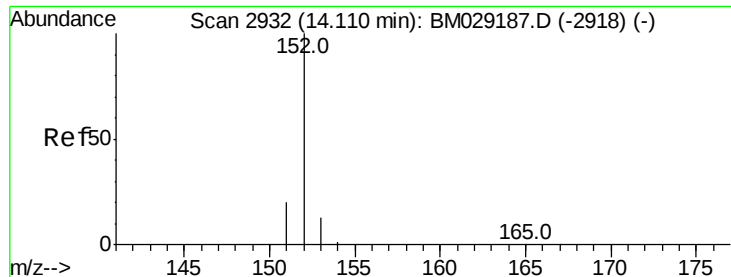
141 93.2 74.0 111.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 3.246 ng/ul

RT: 14.11 min Scan# 2932

Delta R.T. -0.00 min

Lab File: BM029190.D

Acq: 22 Mar 2021 22:42

Instrument :

BNA_M

ClientSampleId :

SSTD3.2006

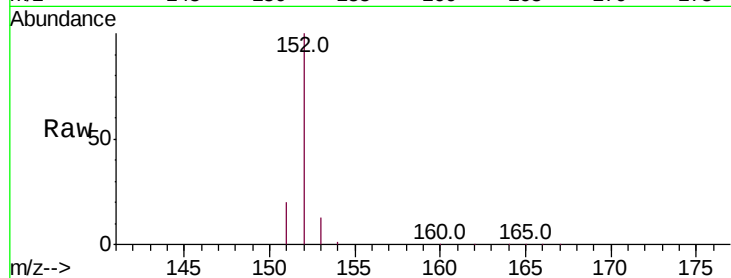
Tot Ion:152 Resp: 49469

Ion Ratio Lower Upper

152 100

151 19.9 17.2 25.8

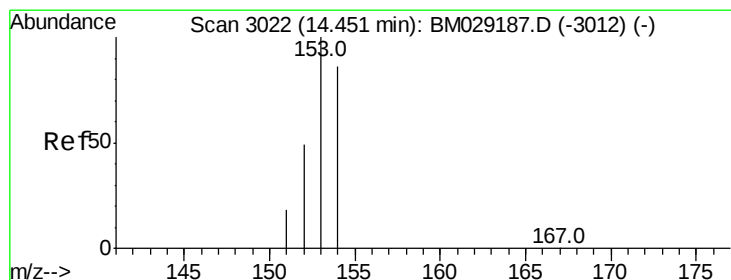
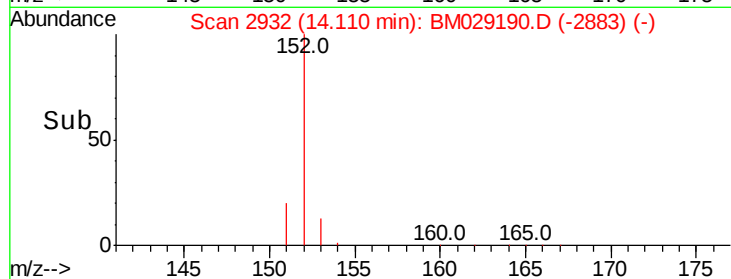
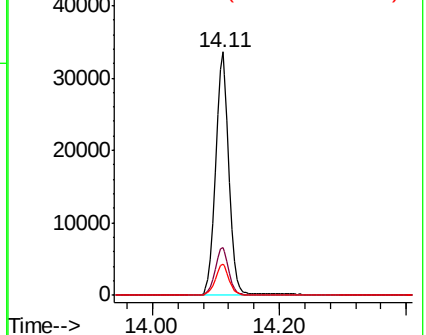
153 13.0 11.1 16.7



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: 3.361 ng/ul

RT: 14.45 min Scan# 3022

Delta R.T. 0.00 min

Lab File: BM029190.D

Acq: 22 Mar 2021 22:42

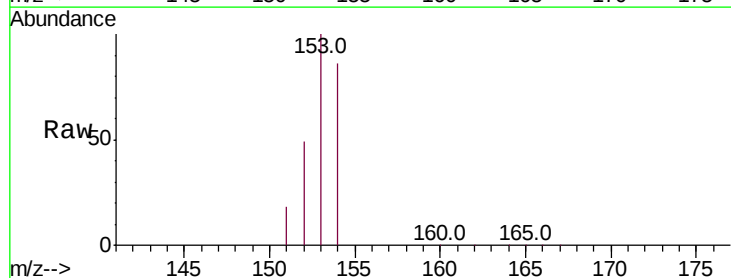
Tgt Ion:153 Resp: 40224

Ion Ratio Lower Upper

153 100

152 49.4 40.1 60.1

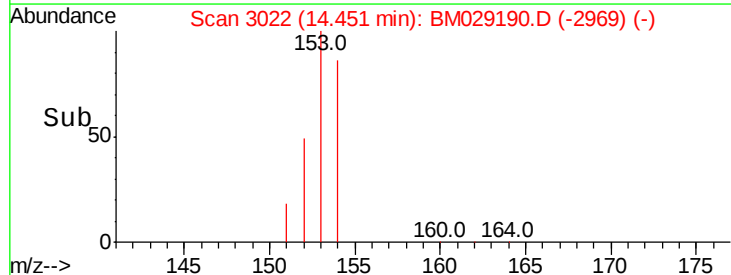
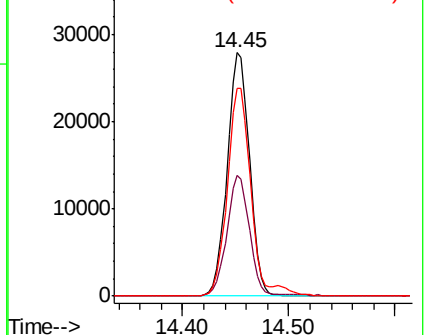
154 85.5 69.0 103.4

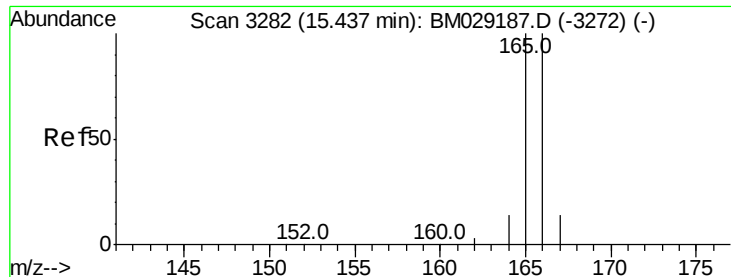


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 3.324 ng/ul

RT: 15.44 min Scan# 3282

Delta R.T. 0.00 min

Lab File: BM029190.D

Acq: 22 Mar 2021 22:42

Instrument :

BNA_M

ClientSampleId :

SSTD3.2006

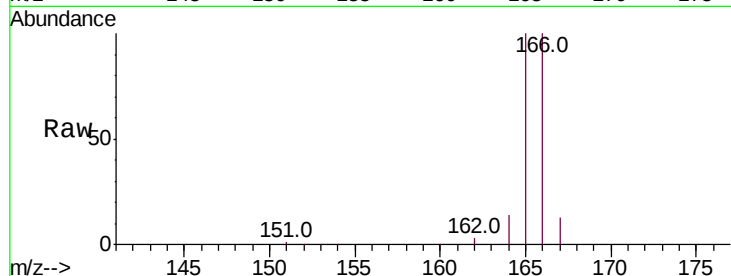
Tot Ion:166 Resp: 45267

Ion Ratio Lower Upper

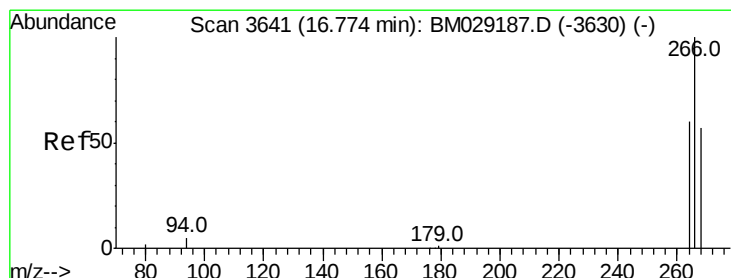
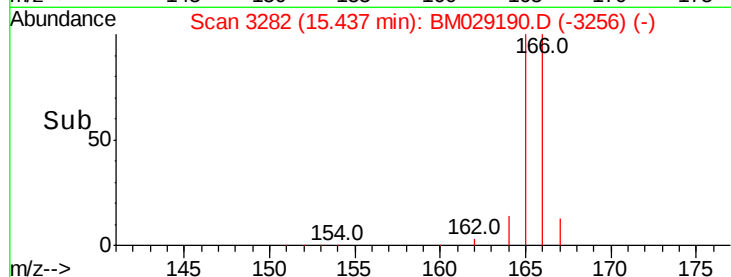
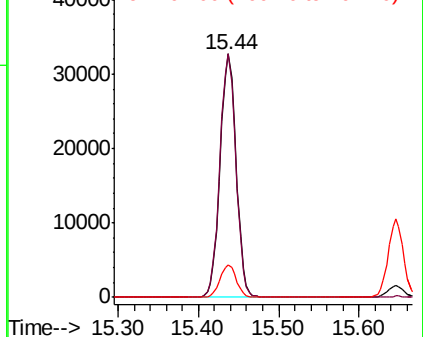
166 100

165 99.8 80.6 120.8

167 13.5 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: 3.170 ng/ul

RT: 16.77 min Scan# 3641

Delta R.T. -0.00 min

Lab File: BM029190.D

Acq: 22 Mar 2021 22:42

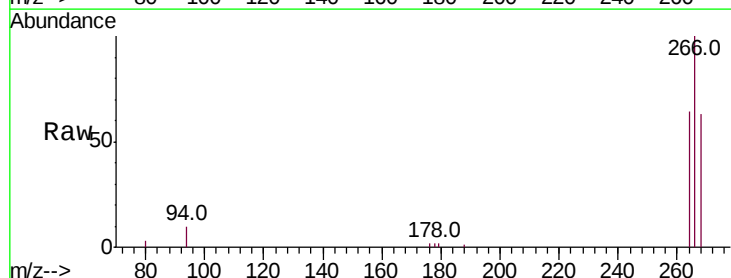
Tgt Ion:266 Resp: 6011

Ion Ratio Lower Upper

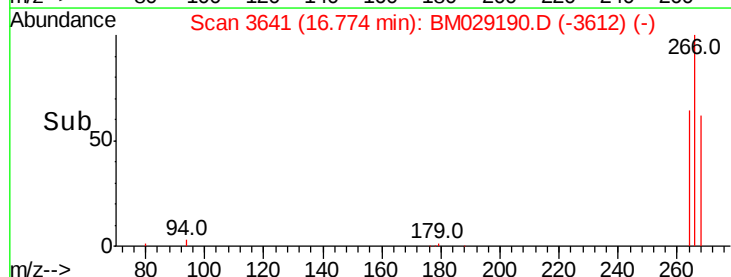
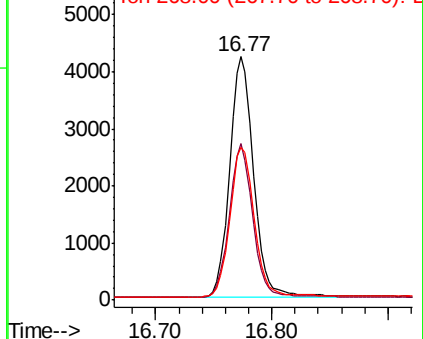
266 100

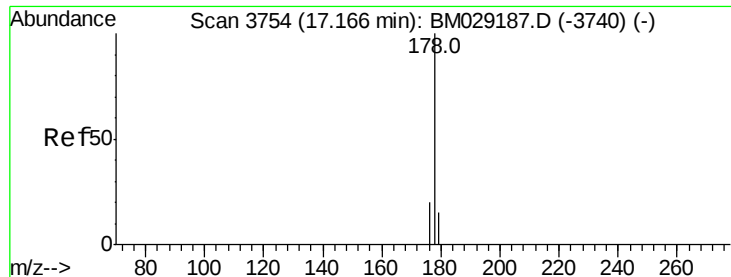
264 62.9 48.1 72.1

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

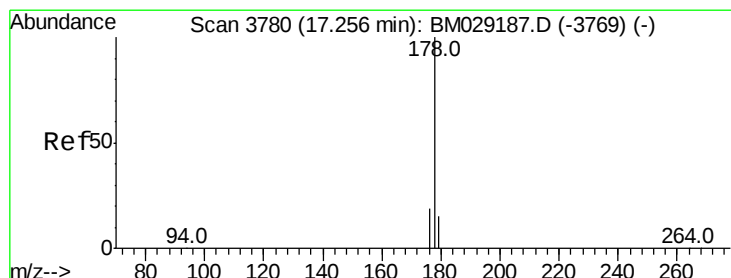
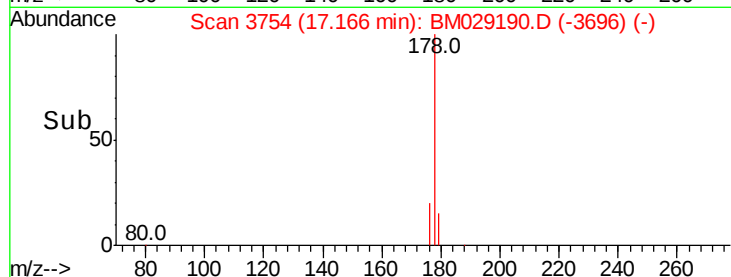
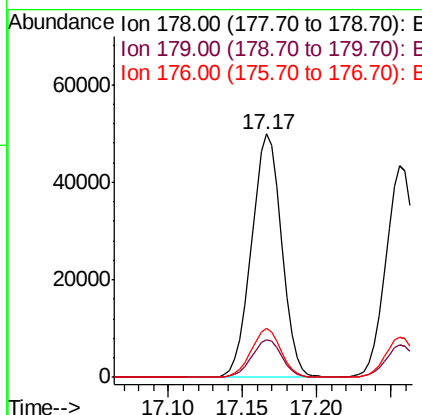
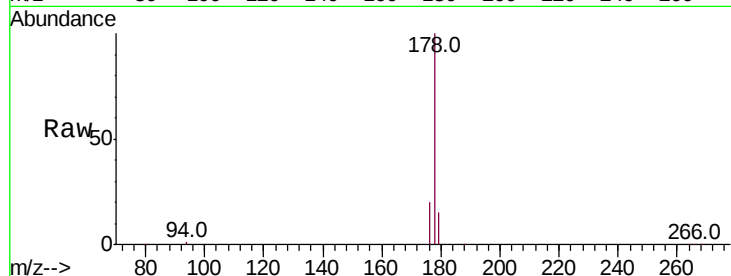




#15
Phenanthrene
Concen: 3.259 ng/ul
RT: 17.17 min Scan# 3754
Delta R.T. -0.00 min
Lab File: BM029190.D
Acq: 22 Mar 2021 22:42

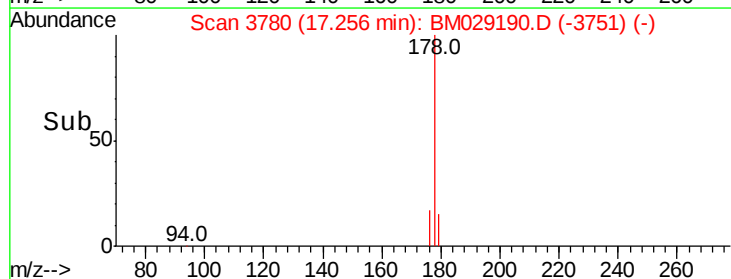
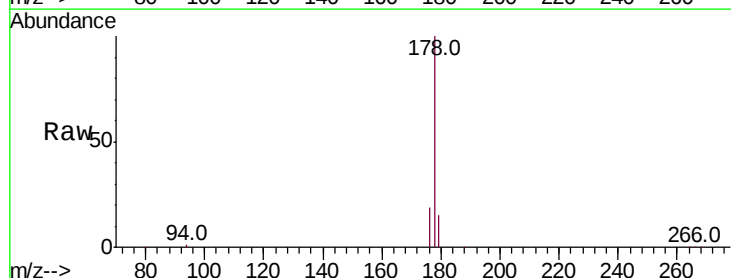
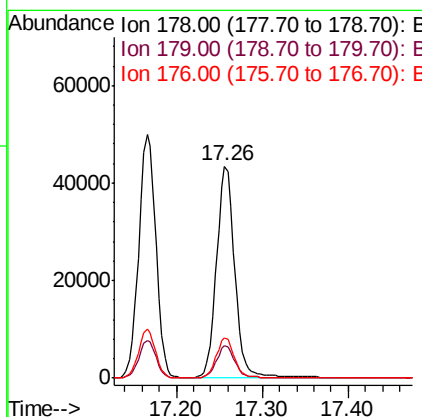
Instrument :
BNA_M
ClientSampleId :
SSTD3.2006

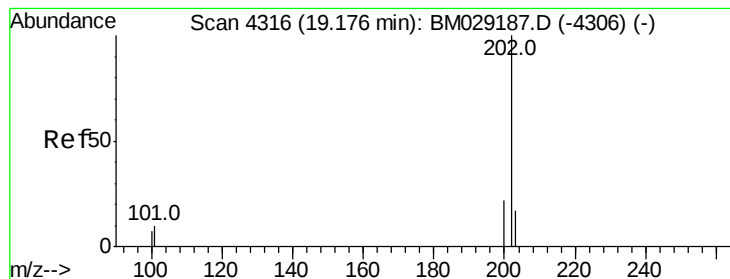
Tot Ion:178 Resp: 68965
Ion Ratio Lower Upper
178 100
179 15.4 12.9 19.3
176 20.0 16.5 24.7



#16
Anthracene
Concen: 3.253 ng/ul
RT: 17.26 min Scan# 3780
Delta R.T. -0.00 min
Lab File: BM029190.D
Acq: 22 Mar 2021 22:42

Tgt Ion:178 Resp: 63544
Ion Ratio Lower Upper
178 100
179 15.2 13.1 19.7
176 19.1 16.2 24.2





#19

Fluoranthene

Concen: 2.743 ng/ul

RT: 19.18 min Scan# 4316

Delta R.T. -0.00 min

Lab File: BM029190.D

Acq: 22 Mar 2021 22:42

Instrument :

BNA_M

ClientSampleId :

SSTD3.2006

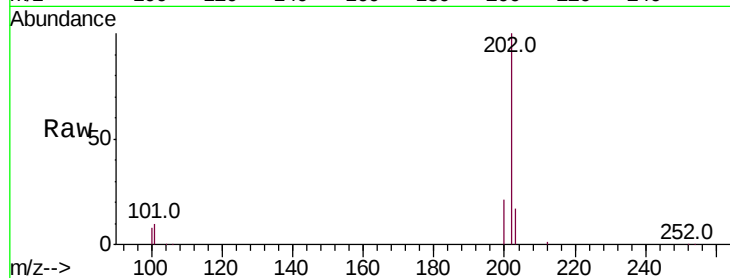
Tot Ion:202 Resp: 76393

Ion Ratio Lower Upper

202 100

101 10.5 8.7 13.1

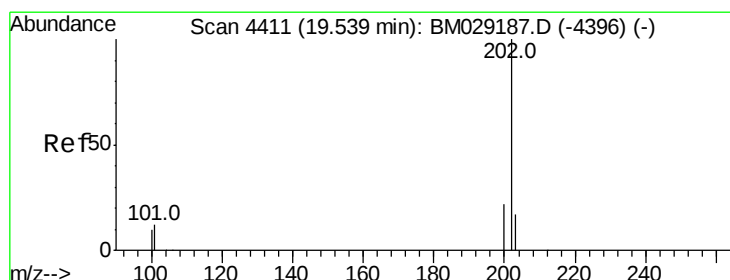
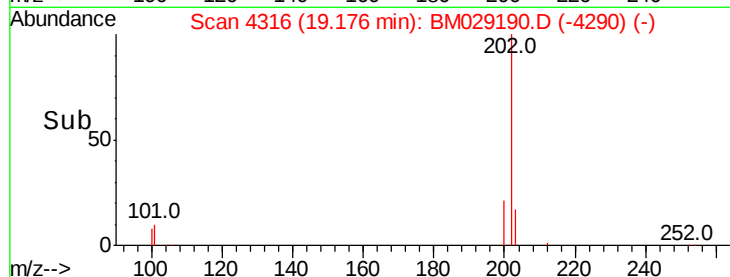
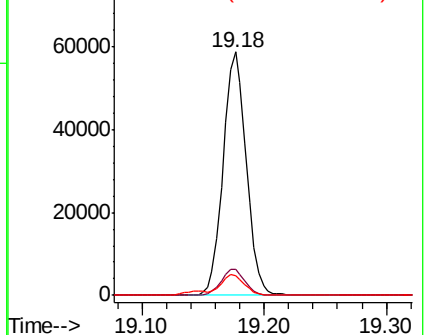
100 8.2 6.9 10.3



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: 2.635 ng/ul

RT: 19.54 min Scan# 4411

Delta R.T. -0.00 min

Lab File: BM029190.D

Acq: 22 Mar 2021 22:42

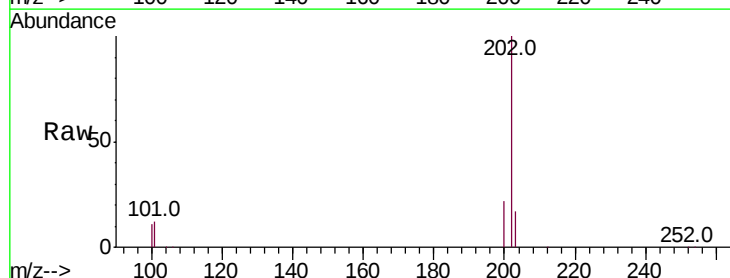
Tgt Ion:202 Resp: 75044

Ion Ratio Lower Upper

202 100

101 12.4 10.2 15.4

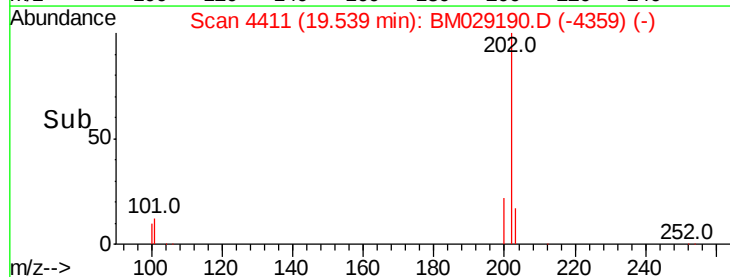
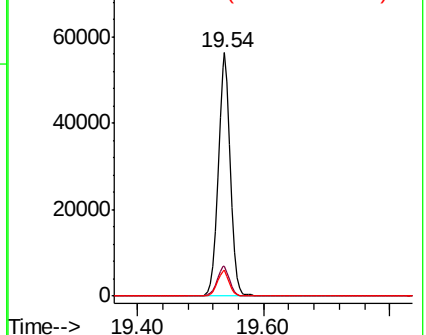
100 10.5 8.5 12.7

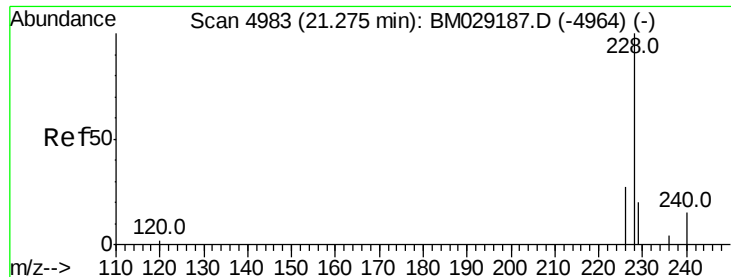


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 2.637 ng/ul

RT: 21.28 min Scan# 4983

Delta R.T. -0.00 min

Lab File: BM029190.D

Acq: 22 Mar 2021 22:42

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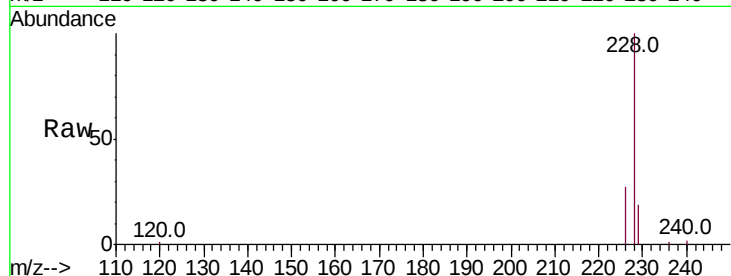
Tot Ion:228 Resp: 69979

Ion Ratio Lower Upper

228 100

229 19.3 16.2 24.2

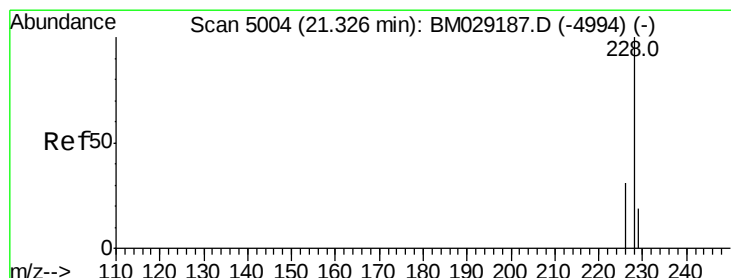
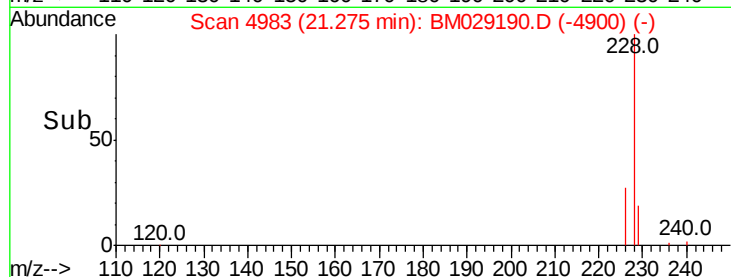
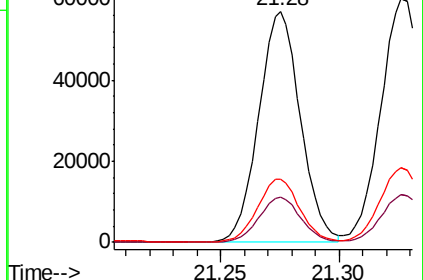
226 27.4 22.2 33.2



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: 2.710 ng/ul

RT: 21.33 min Scan# 5004

Delta R.T. -0.00 min

Lab File: BM029190.D

Acq: 22 Mar 2021 22:42

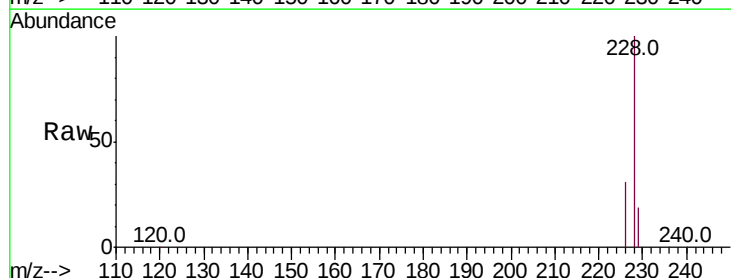
Tgt Ion:228 Resp: 74293

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.4

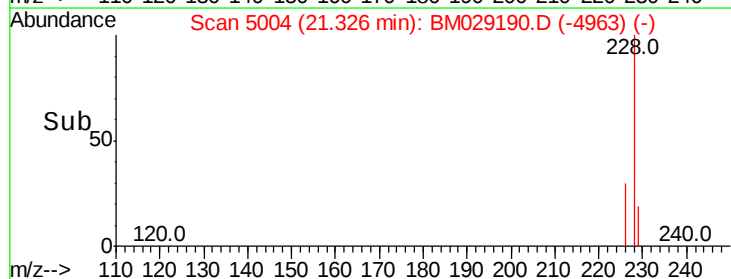
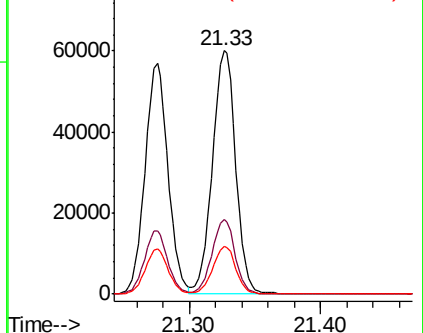
229 19.4 16.0 24.0

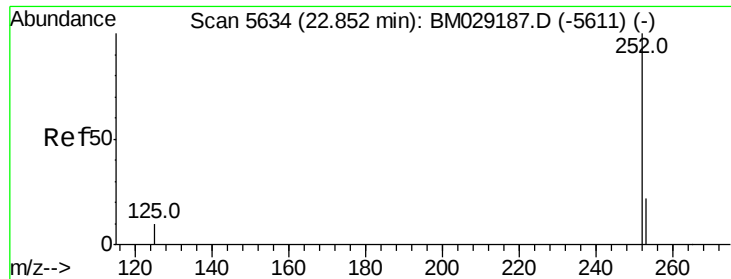


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 2.950 ng/u1

RT: 22.85 min Scan# 5634

Delta R.T. -0.00 min

Lab File: BM029190.D

Acq: 22 Mar 2021 22:42

Instrument :

BNA_M

ClientSampleId :

SSTD3.2006

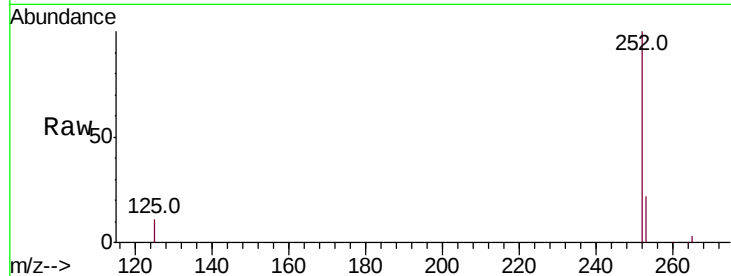
Tot Ion:252 Resp: 78795

Ion Ratio Lower Upper

252 100

253 22.1 0.0 52.4

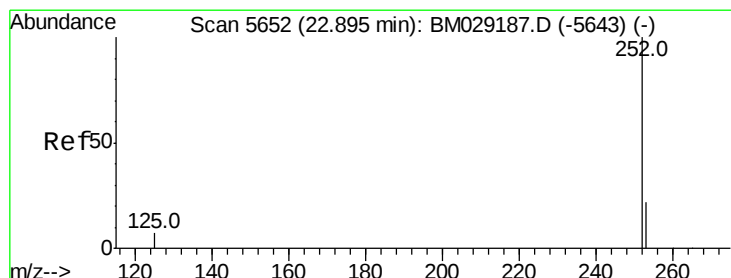
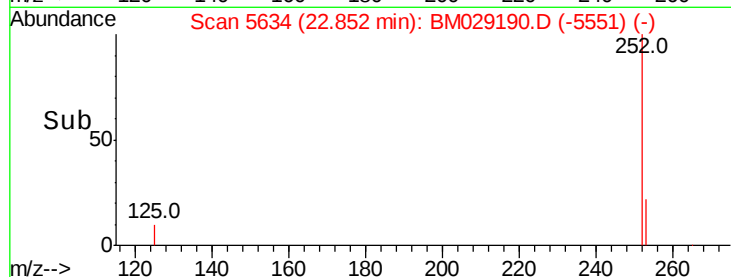
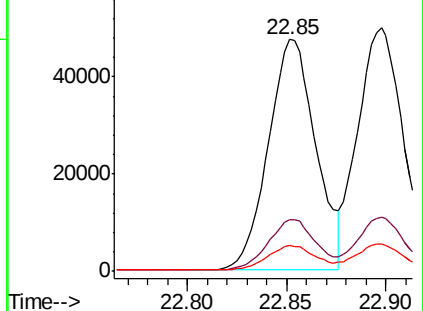
125 11.0 0.0 31.0



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: 3.074 ng/u1

RT: 22.90 min Scan# 5653

Delta R.T. 0.00 min

Lab File: BM029190.D

Acq: 22 Mar 2021 22:42

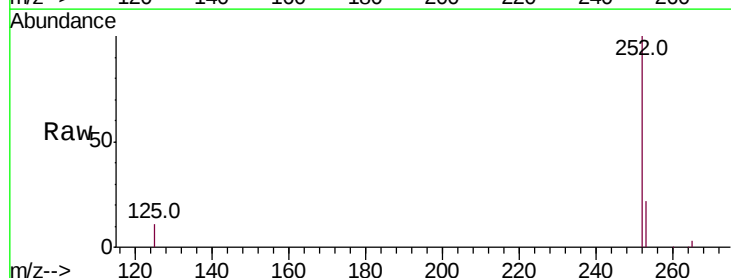
Tgt Ion:252 Resp: 80829

Ion Ratio Lower Upper

252 100

253 22.3 21.1 31.7

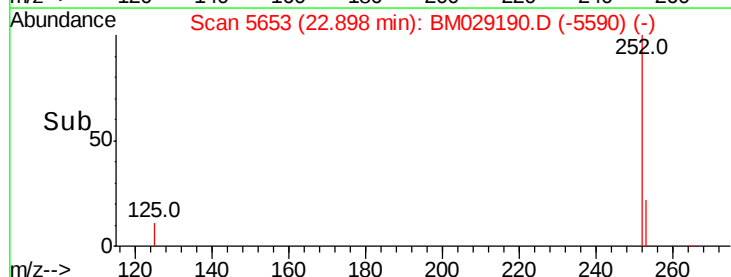
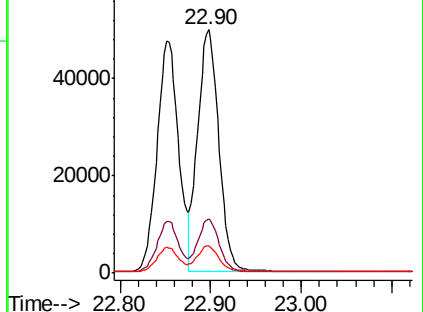
125 11.2 12.6 19.0#

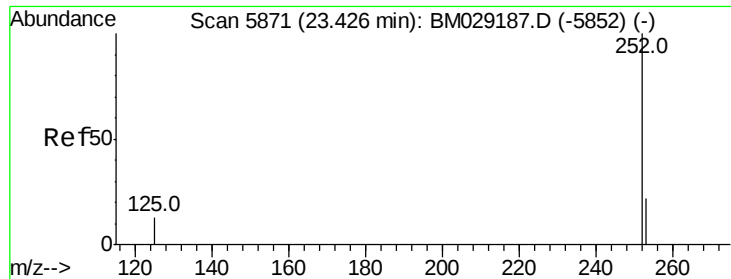


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 2.862 ng/ul

RT: 23.43 min Scan# 5872

Delta R.T. 0.00 min

Lab File: BM029190.D

Acq: 22 Mar 2021 22:42

Instrument :

BNA_M

ClientSampleId :

SSTD3.2006

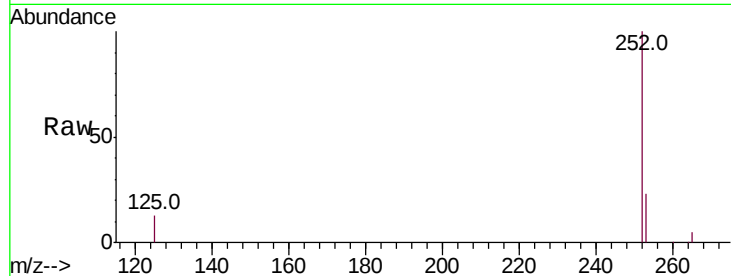
Tot Ion:252 Resp: 65756

Ion Ratio Lower Upper

252 100

253 22.6 22.6 33.8

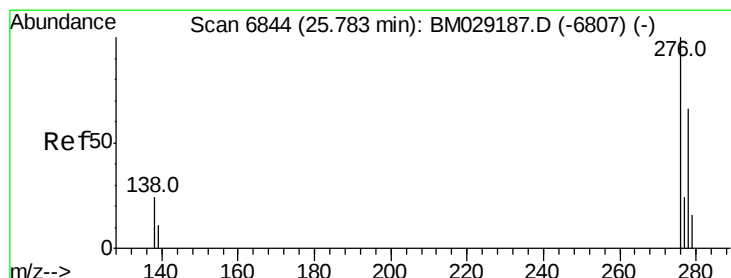
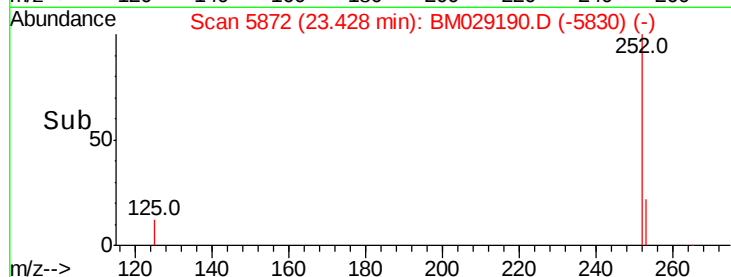
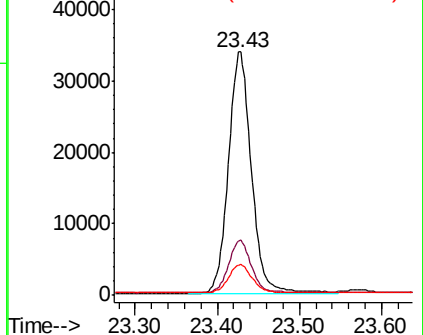
125 12.8 16.4 24.6#



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: 3.285 ng/ul

RT: 25.78 min Scan# 6844

Delta R.T. -0.00 min

Lab File: BM029190.D

Acq: 22 Mar 2021 22:42

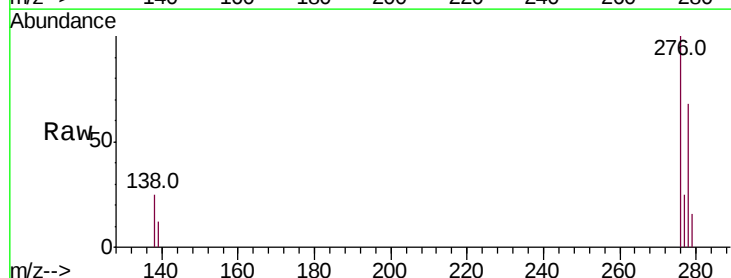
Tgt Ion:276 Resp: 99681

Ion Ratio Lower Upper

276 100

138 25.8 20.6 30.8

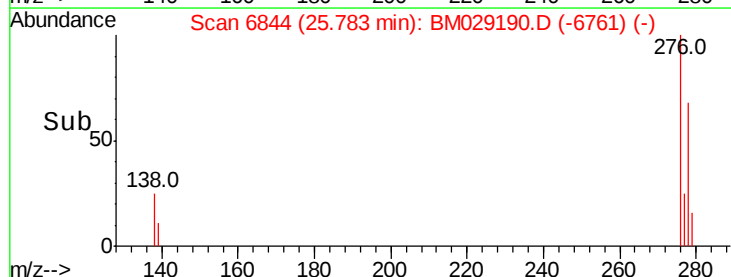
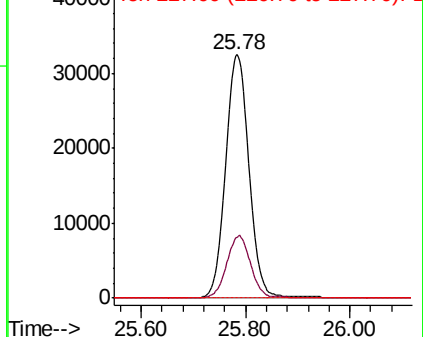
227 0.0 0.0 0.0

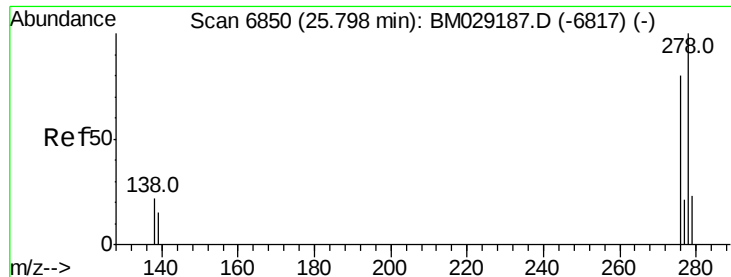


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 3.348 ng/ul

RT: 25.80 min Scan# 6849

Delta R.T. -0.00 min

Lab File: BM029190.D

Acq: 22 Mar 2021 22:42

Instrument :

BNA_M

ClientSampleId :

SSTD3.2006

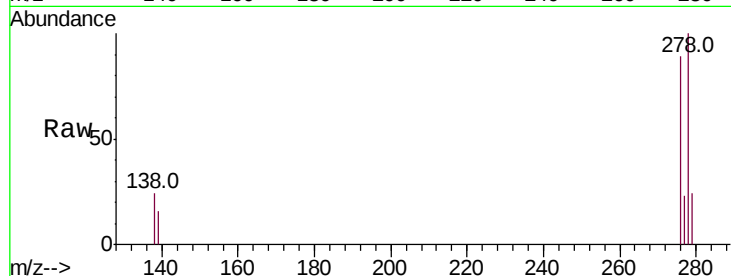
Tot Ion:278 Resp: 84948

Ion Ratio Lower Upper

278 100

139 16.3 13.6 20.4

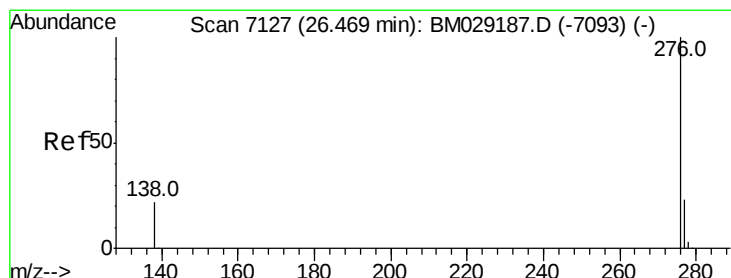
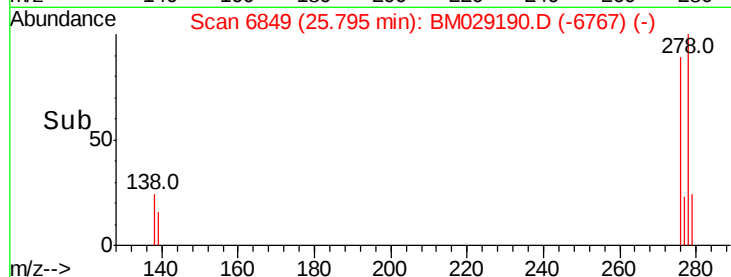
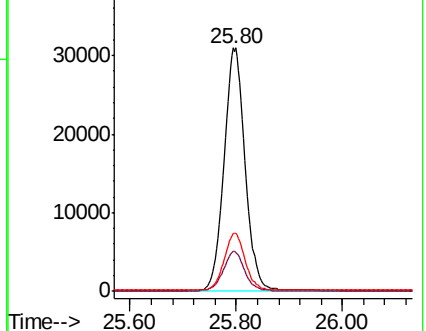
279 24.1 21.2 31.8



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: 3.187 ng/ul

RT: 26.47 min Scan# 7128

Delta R.T. 0.00 min

Lab File: BM029190.D

Acq: 22 Mar 2021 22:42

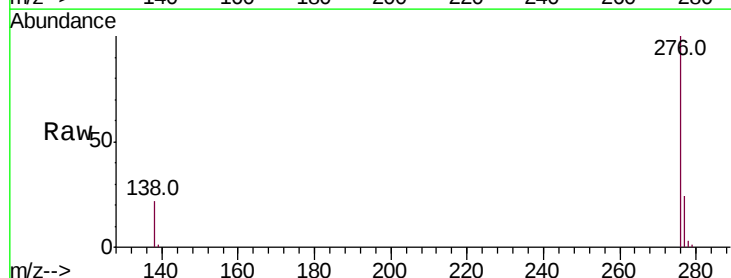
Tgt Ion:276 Resp: 81441

Ion Ratio Lower Upper

276 100

138 22.0 19.3 28.9

277 23.8 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

