

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041321\
 Data File : BN014271.D
 Acq On : 13 Apr 2021 15:01
 Operator : CG/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.4004

Quant Time: Apr 14 01:26:50 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN041221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 12 17:52:31 2021
 Response via : Initial Calibration

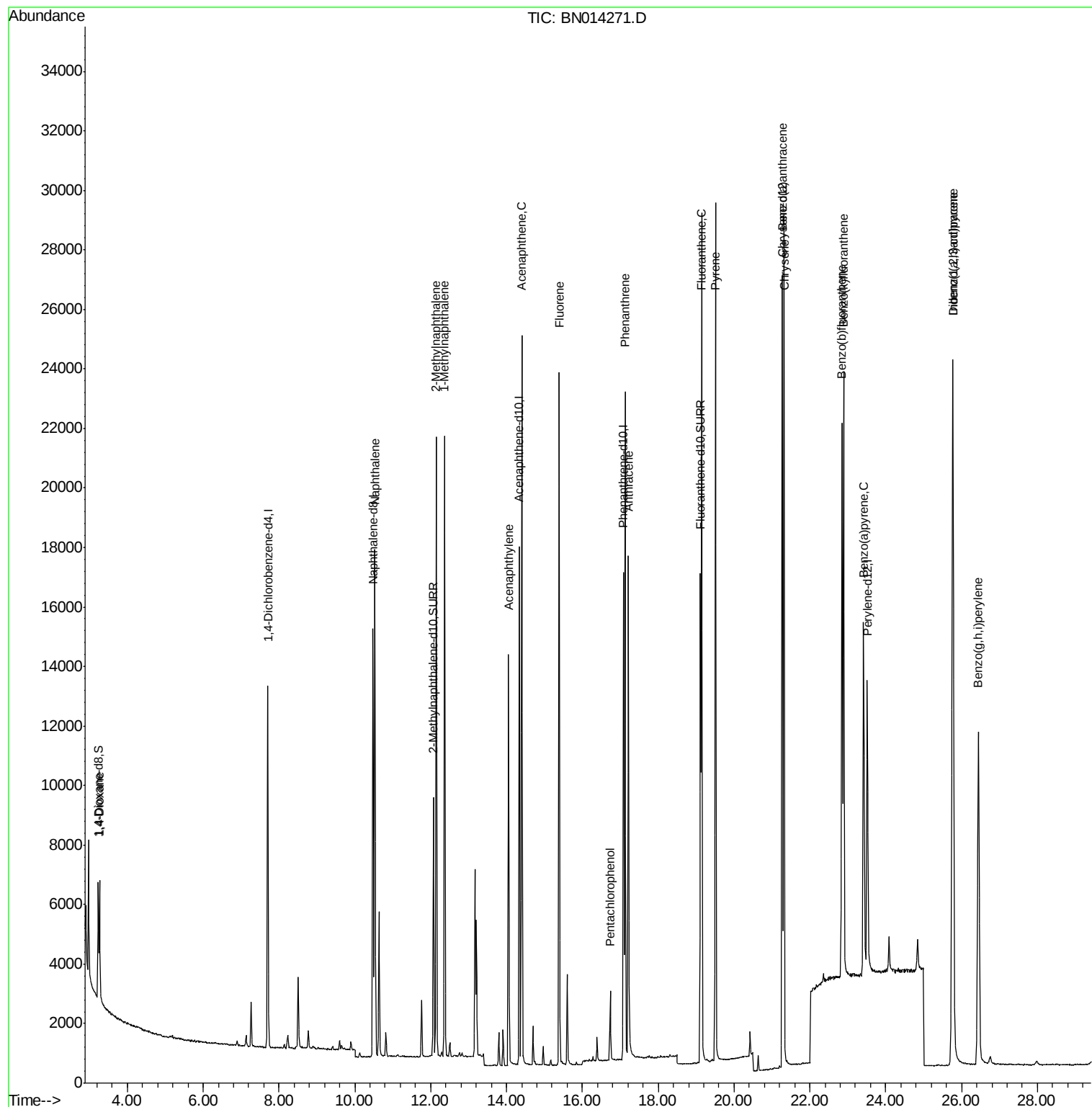
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	6059	0.40	ng/ul	0.00
4) Naphthalene-d8	10.48	136	19989	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.34	164	9350	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.08	188	18568	0.40	ng/ul	0.00
17) Chrysene-d12	21.28	240	15388	0.40	ng/ul	0.00
23) Perylene-d12	23.52	264	13206	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.23	96	2676	0.41	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.07	152	11436	0.37	ng/ul	0.00
18) Fluoranthene-d10	19.12	212	18623	0.39	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.27	88	2682	0.399	ng/ul#	84
5) Naphthalene	10.53	128	23027	0.389	ng/ul	100
7) 2-Methylnaphthalene	12.15	142	14633	0.388	ng/ul	100
8) 1-Methylnaphthalene	12.37	142	14148	0.390	ng/ul	100
10) Acenaphthylene	14.06	152	15596	0.356	ng/ul	100
11) Acenaphthene	14.40	153	13781	0.404	ng/ul	99
12) Fluorene	15.39	166	14701	0.386	ng/ul	100
14) Pentachlorophenol	16.73	266	1515	0.252	ng/ul	99
15) Phenanthrene	17.13	178	23795	0.397	ng/ul	99
16) Anthracene	17.22	178	18774	0.358	ng/ul	99
19) Fluoranthene	19.15	202	24625	0.399	ng/ul	99
20) Pyrene	19.51	202	24455	0.389	ng/ul	98
21) Benzo(a)anthracene	21.27	228	19780	0.348	ng/ul	100
22) Chrysene	21.32	228	24100	0.408	ng/ul	99
24) Benzo(b)fluoranthene	22.85	252	23380	0.393	ng/ul	98
25) Benzo(k)fluoranthene	22.89	252	25393	0.420	ng/ul	100
26) Benzo(a)pyrene	23.42	252	18951	0.384	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.76	276	28803	0.424	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.78	278	22825	0.421	ng/ul	99
29) Benzo(g,h,i)perylene	26.44	276	23571	0.412	ng/ul	100

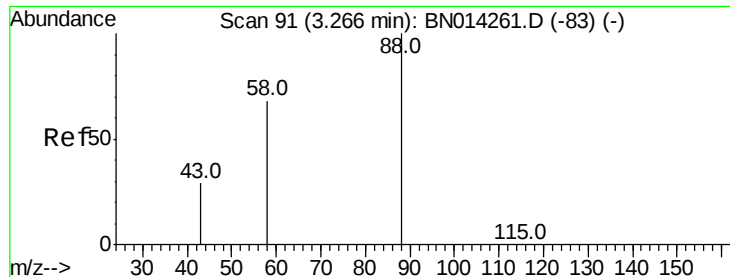
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 14 01:26:50 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN041221.M
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QLast Update : Mon Apr 12 17:52:31 2021
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#2

1,4-Dioxane

Concen: 0.399 ng/ul

RT: 3.27 min Scan# 91

Delta R.T. 0.00 min

Lab File: BN014271.D

Acq: 13 Apr 2021 15:01

Instrument :

BNA_N

ClientSampleId :

SSTD0.4004

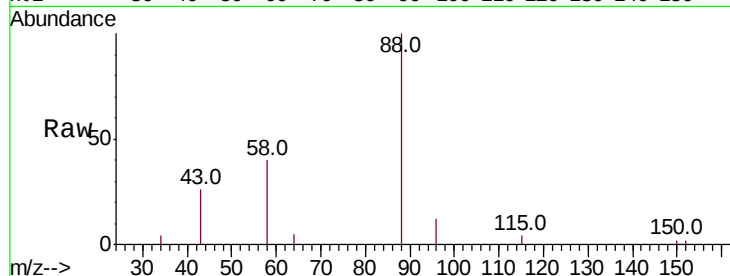
Tot Ion: 88 Resp: 2682

Ion Ratio Lower Upper

88 100

43 26.3 35.9 53.9#

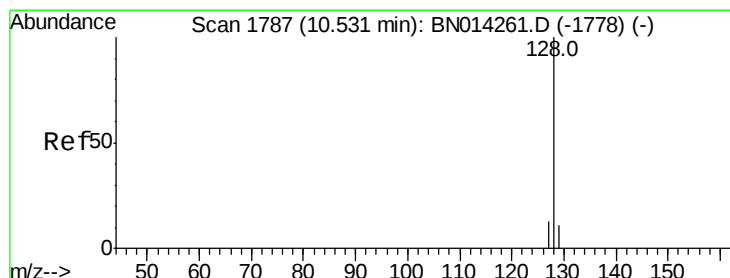
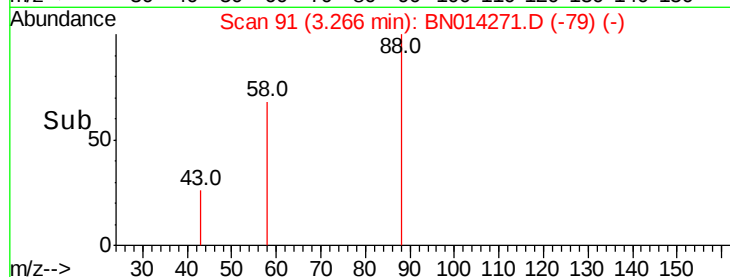
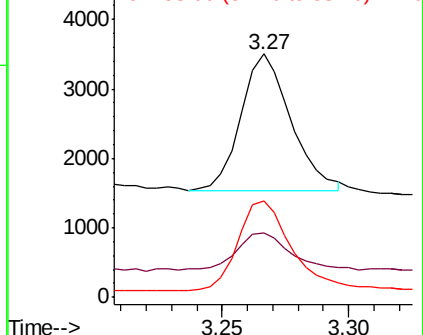
58 39.8 33.6 50.4



Abundance Ion 88.00 (87.70 to 88.70): BN014271.D (-83) (-)

Ion 43.00 (42.70 to 43.70): BN014271.D (-83) (-)

Ion 58.00 (57.70 to 58.70): BN014271.D (-83) (-)



#5

Naphthalene

Concen: 0.389 ng/ul

RT: 10.53 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BN014271.D

Acq: 13 Apr 2021 15:01

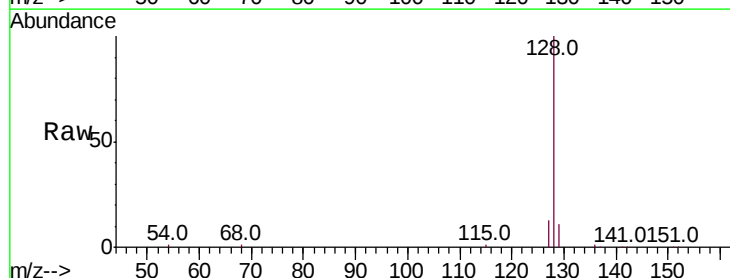
Tgt Ion: 128 Resp: 23027

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

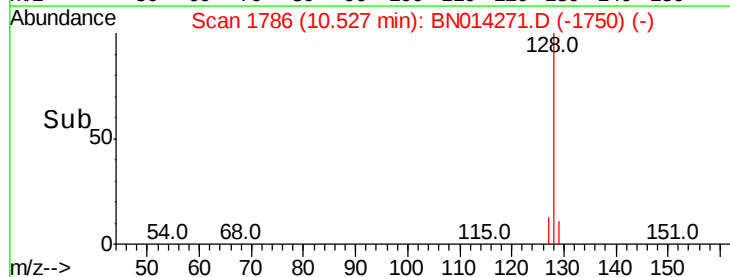
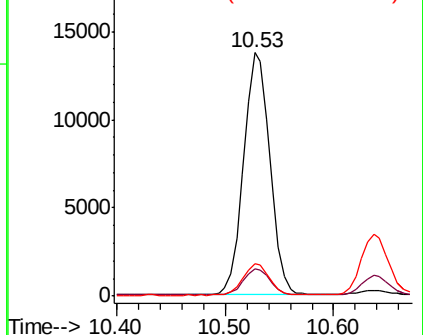
127 13.2 10.6 15.8

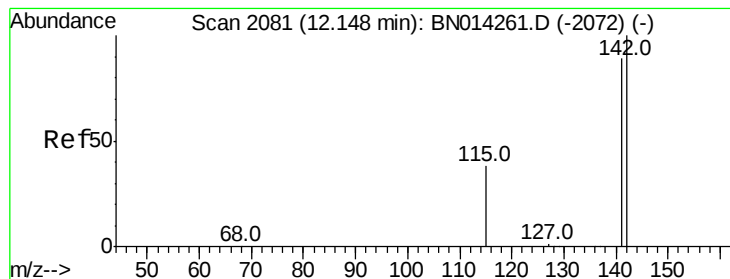


Abundance Ion 128.00 (127.70 to 128.70): BN014271.D (-1750) (-)

Ion 129.00 (128.70 to 129.70): BN014271.D (-1750) (-)

Ion 127.00 (126.70 to 127.70): BN014271.D (-1750) (-)





#7

2-Methylnaphthalene

Concen: 0.388 ng/ul

RT: 12.15 min Scan# 2081

Delta R.T. 0.00 min

Lab File: BN014271.D

Acq: 13 Apr 2021 15:01

Instrument :

BNA_N

ClientSampleId :

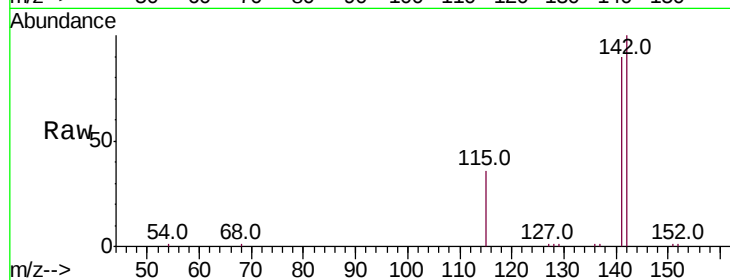
SSTD0.4004

Tot Ion:142 Resp: 14633

Ion Ratio Lower Upper

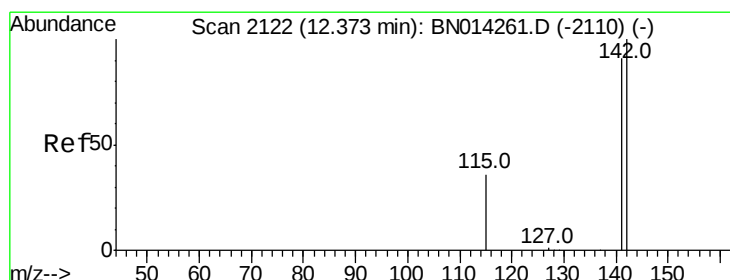
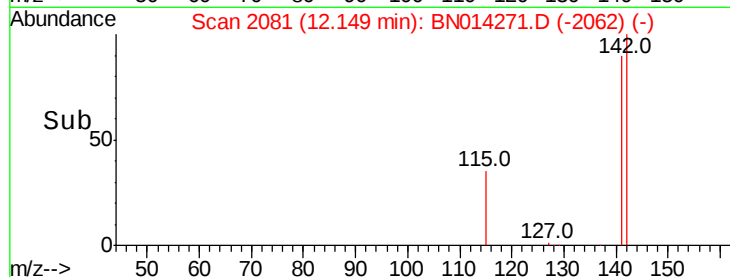
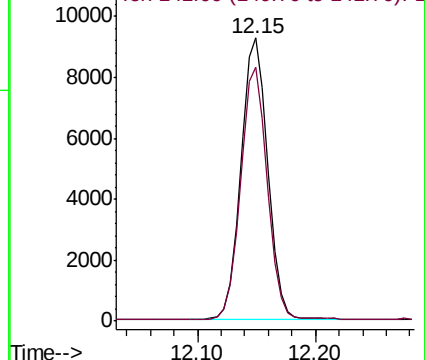
142 100

141 89.1 71.0 106.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.390 ng/ul

RT: 12.37 min Scan# 2121

Delta R.T. -0.00 min

Lab File: BN014271.D

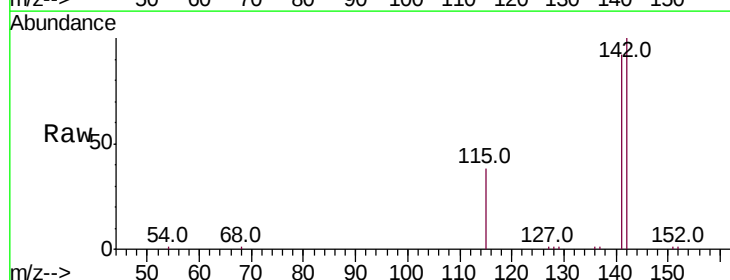
Acq: 13 Apr 2021 15:01

Tgt Ion:142 Resp: 14148

Ion Ratio Lower Upper

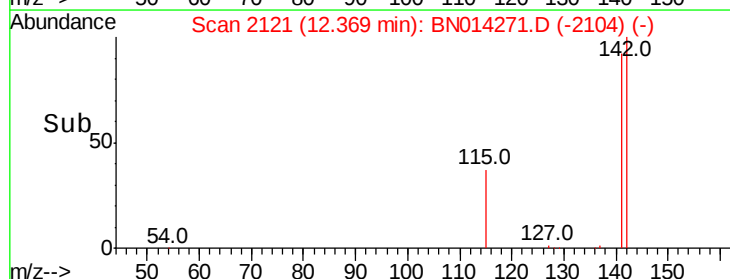
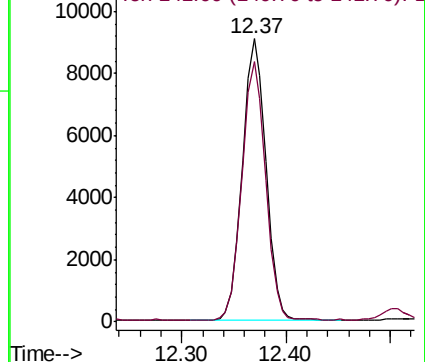
142 100

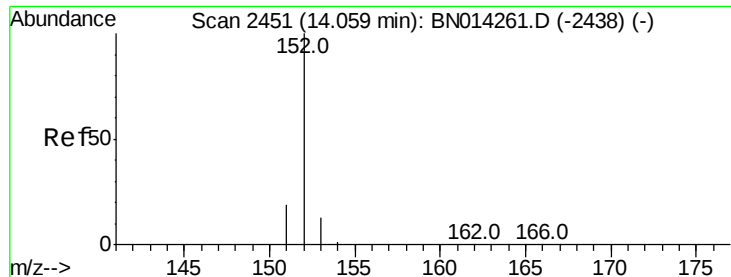
141 92.1 73.4 110.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.356 ng/ul

RT: 14.06 min Scan# 2450

Delta R.T. -0.00 min

Lab File: BN014271.D

Acq: 13 Apr 2021 15:01

Instrument :

BNA_N

ClientSampleId :

SSTD0.4004

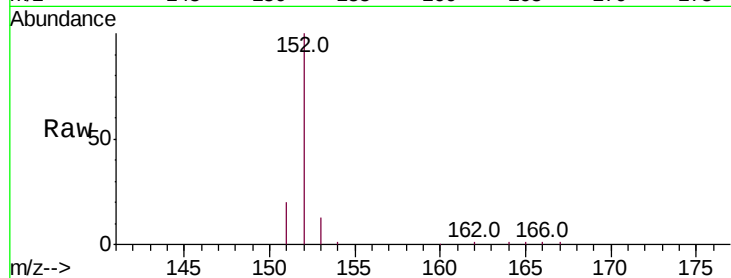
Tot Ion:152 Resp: 15596

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

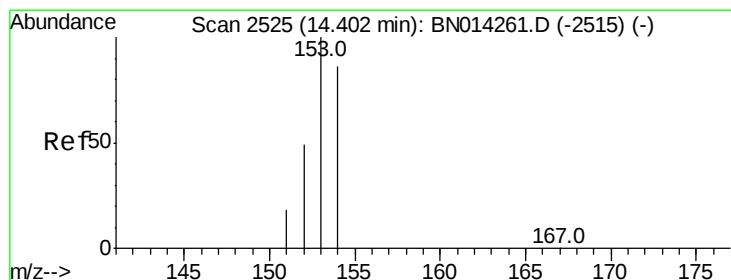
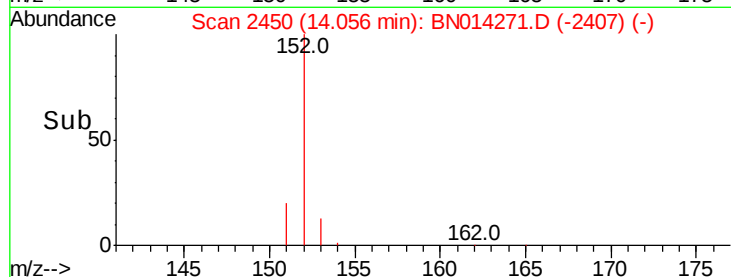
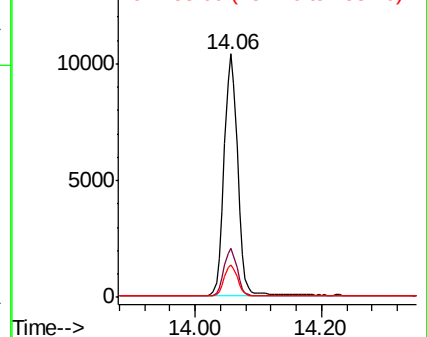
153 13.3 11.0 16.4



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: 0.404 ng/ul

RT: 14.40 min Scan# 2525

Delta R.T. 0.00 min

Lab File: BN014271.D

Acq: 13 Apr 2021 15:01

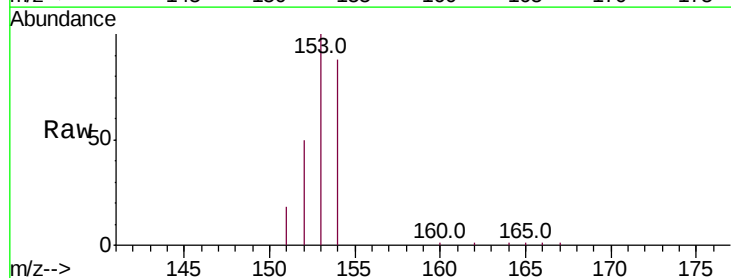
Tgt Ion:153 Resp: 13781

Ion Ratio Lower Upper

153 100

152 49.8 40.1 60.1

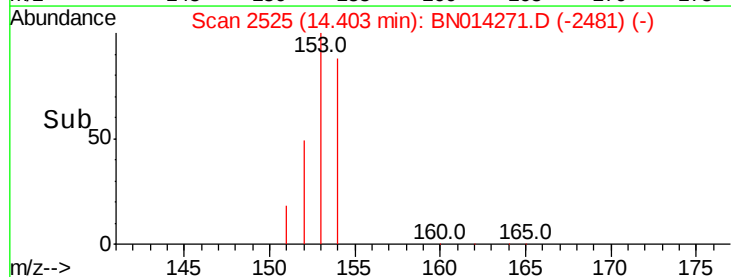
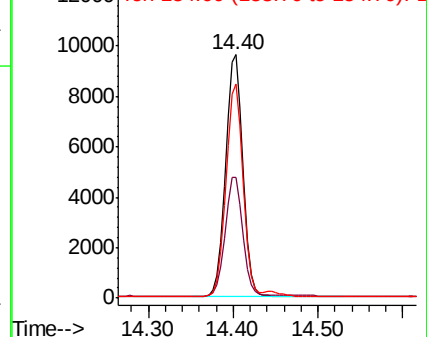
154 88.1 69.1 103.7

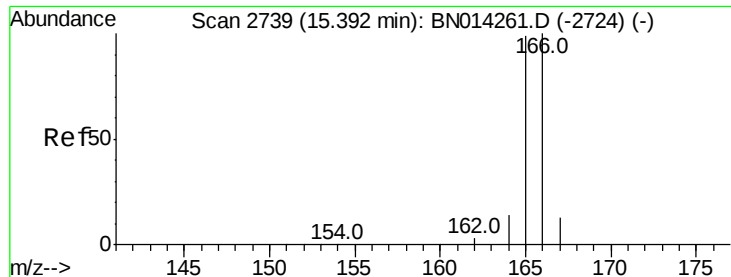


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.386 ng/ul

RT: 15.39 min Scan# 2738

Delta R.T. -0.00 min

Lab File: BN014271.D

Acq: 13 Apr 2021 15:01

Instrument :

BNA_N

ClientSampleId :

SSTD0.4004

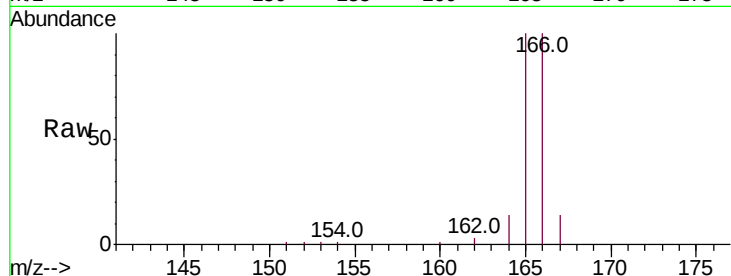
Tot Ion:166 Resp: 14701

Ion Ratio Lower Upper

166 100

165 99.5 79.3 118.9

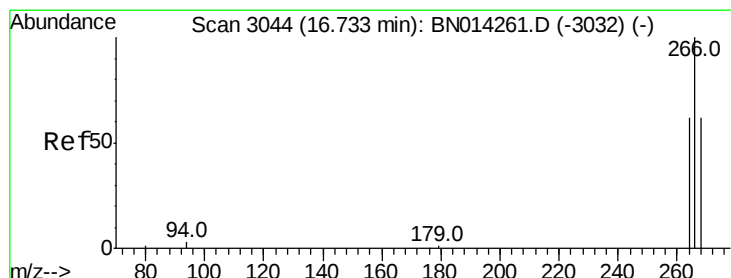
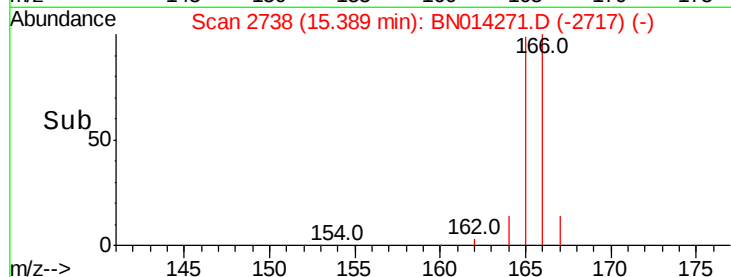
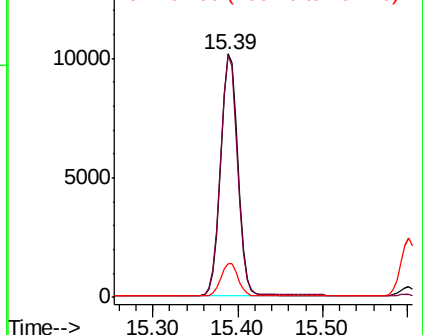
167 14.1 11.4 17.0



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: 0.252 ng/ul

RT: 16.73 min Scan# 3044

Delta R.T. 0.00 min

Lab File: BN014271.D

Acq: 13 Apr 2021 15:01

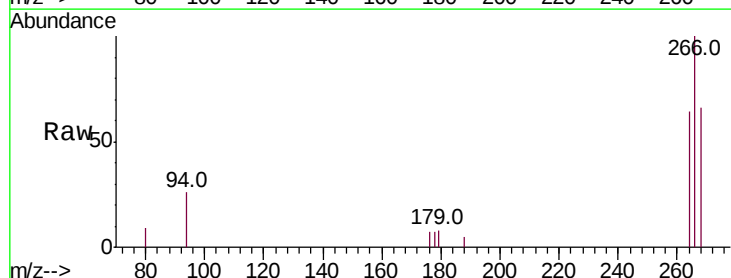
Tgt Ion:266 Resp: 1515

Ion Ratio Lower Upper

266 100

264 63.0 49.7 74.5

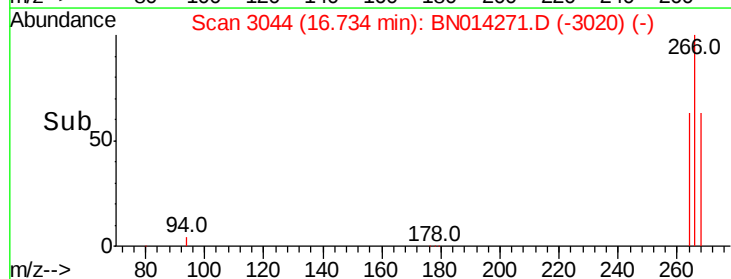
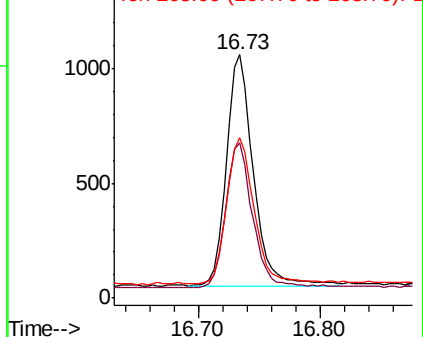
268 65.2 51.5 77.3

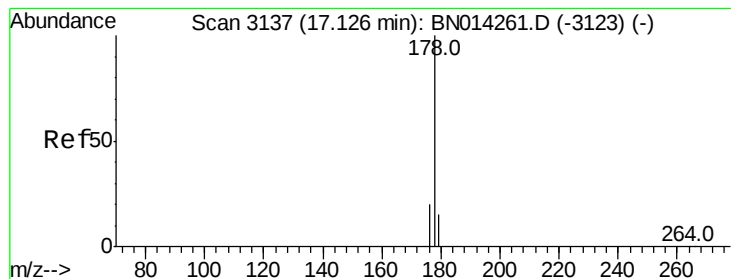


Abundance Ion 266.00 (265.70 to 266.70): E

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: 17.13 min Scan# 3137

Delta R.T. 0.00 min

Lab File: BN014271.D

Acq: 13 Apr 2021 15:01

Instrument :

BNA_N

ClientSampleId :

SSTD0.4004

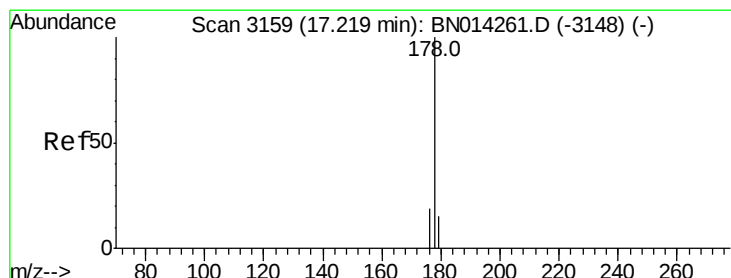
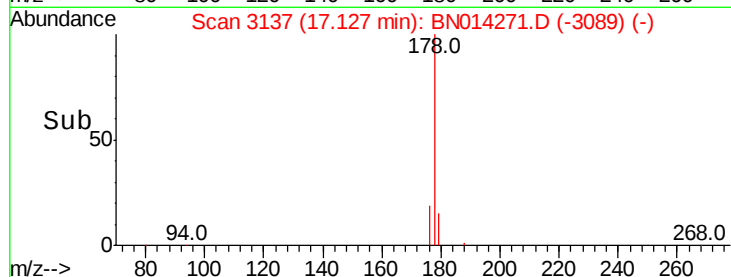
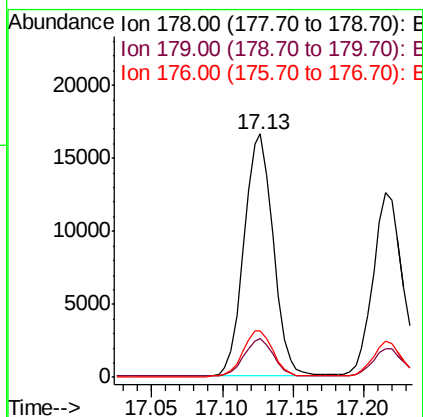
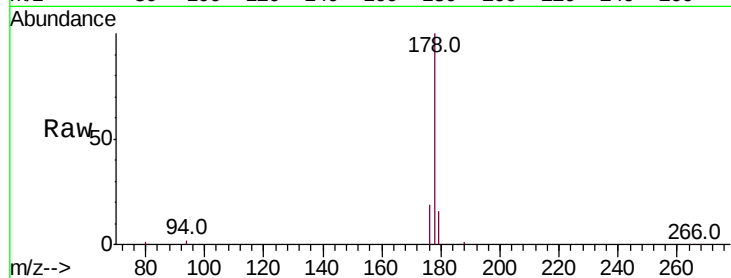
Tot Ion:178 Resp: 23795

Ion Ratio Lower Upper

178 100

179 15.8 12.4 18.6

176 19.2 15.9 23.9



#16

Anthracene

Concen: 0.358 ng/ul

RT: 17.22 min Scan# 3158

Delta R.T. -0.00 min

Lab File: BN014271.D

Acq: 13 Apr 2021 15:01

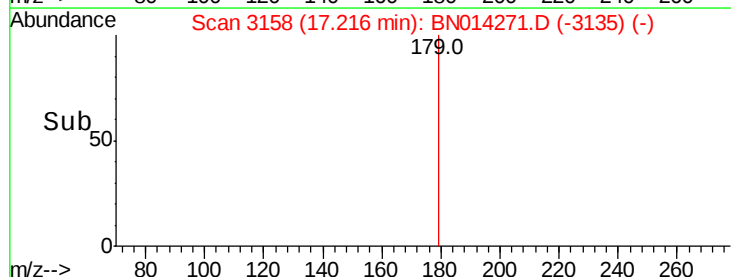
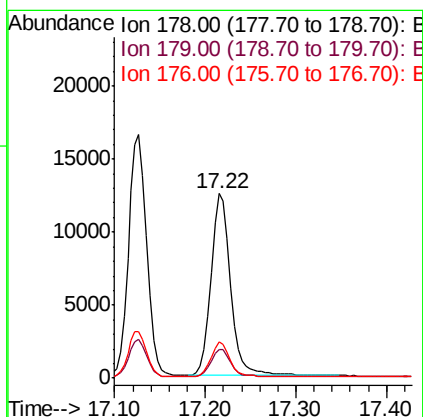
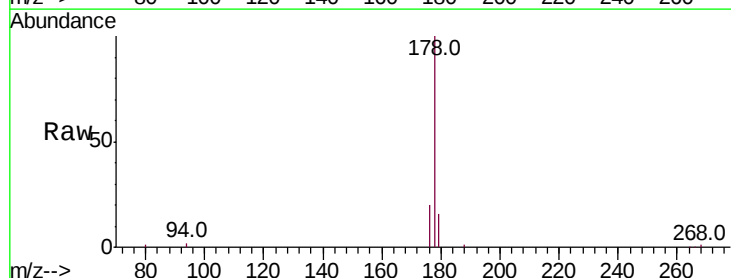
Tgt Ion:178 Resp: 18774

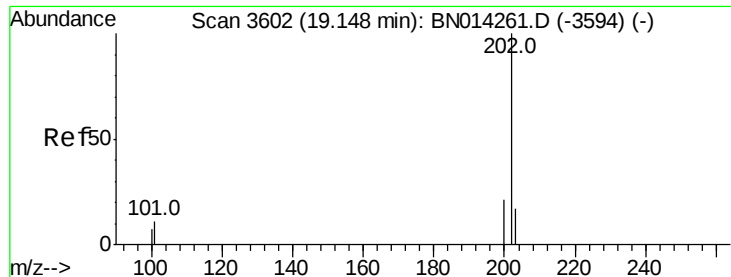
Ion Ratio Lower Upper

178 100

179 15.6 12.6 19.0

176 19.7 15.2 22.8

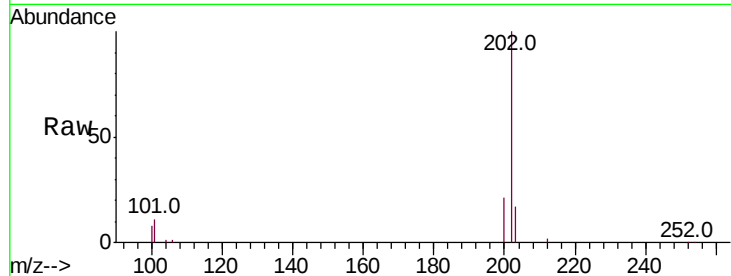




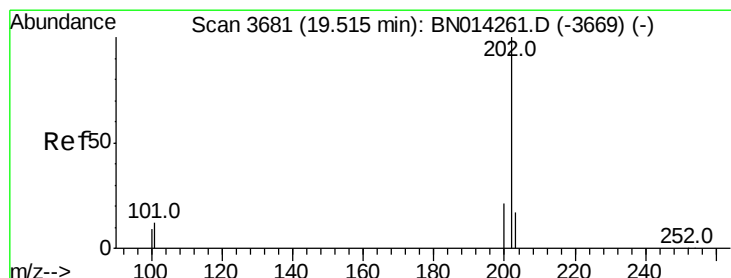
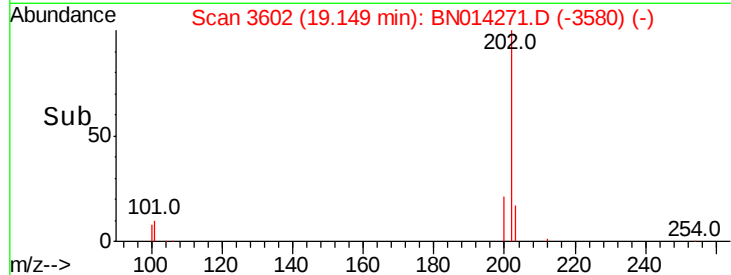
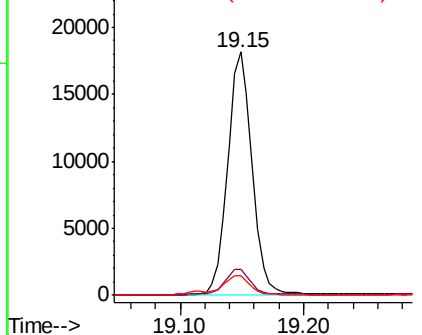
#19
Fluoranthene
Concen: 0.399 ng/ul
RT: 19.15 min Scan# 3602
Delta R.T. 0.00 min
Lab File: BN014271.D
Acq: 13 Apr 2021 15:01

Instrument :
BNA_N
ClientSampleId :
SSTD0.4004

Tot Ion:202 Resp: 24625
Ion Ratio Lower Upper
202 100
101 10.8 9.0 13.6
100 8.1 6.8 10.2

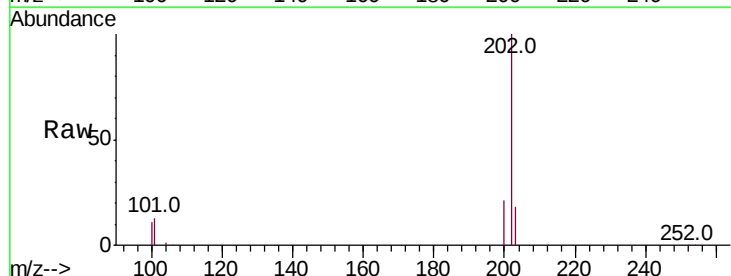


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

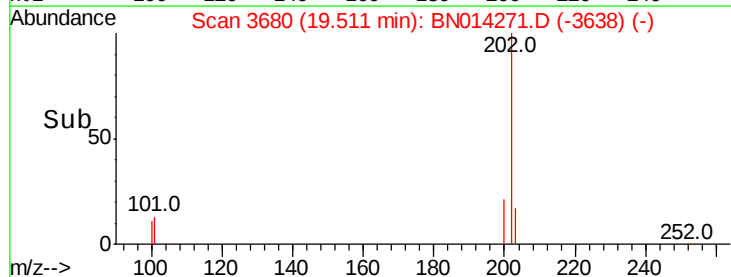
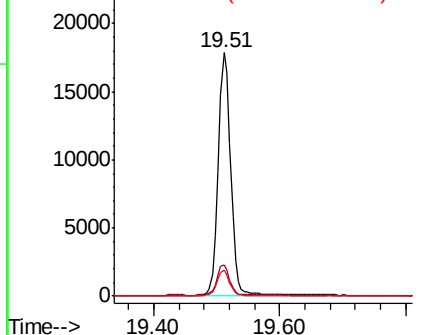


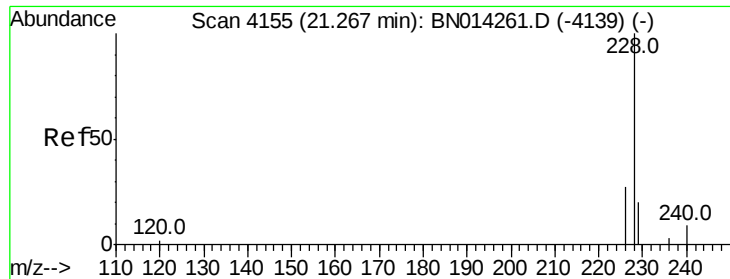
#20
Pyrene
Concen: 0.389 ng/ul
RT: 19.51 min Scan# 3680
Delta R.T. -0.00 min
Lab File: BN014271.D
Acq: 13 Apr 2021 15:01

Tgt Ion:202 Resp: 24455
Ion Ratio Lower Upper
202 100
101 13.0 9.9 14.9
100 10.9 7.8 11.8



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





#21

Benzo(a)anthracene

Concen: 0.348 ng/ul

RT: 21.27 min Scan# 4154

Delta R.T. -0.00 min

Lab File: BN014271.D

Acq: 13 Apr 2021 15:01

Instrument :

BNA_N

ClientSampleId :

SSTD0.4004

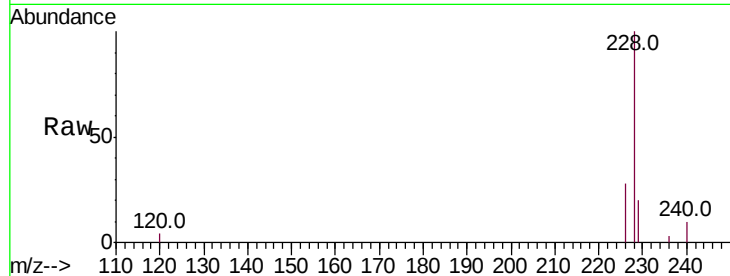
Tot Ion:228 Resp: 19780

Ion Ratio Lower Upper

228 100

229 19.7 16.1 24.1

226 27.7 22.2 33.2

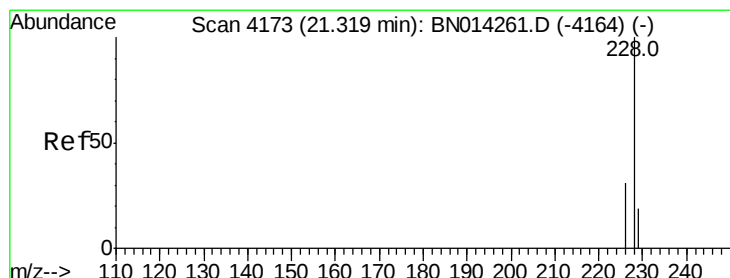
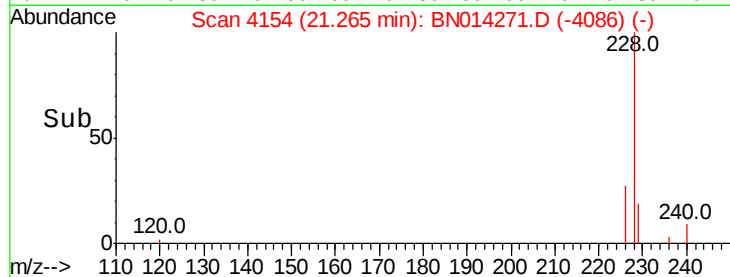
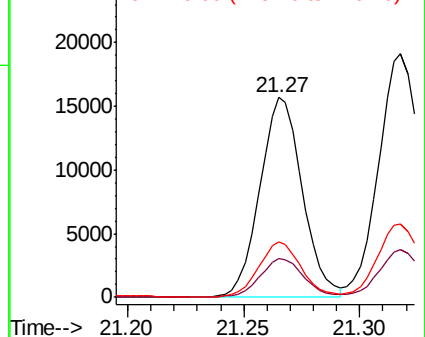


Abundance

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: 0.408 ng/ul

RT: 21.32 min Scan# 4172

Delta R.T. -0.00 min

Lab File: BN014271.D

Acq: 13 Apr 2021 15:01

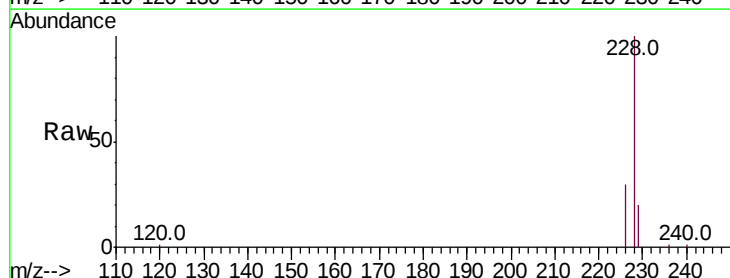
Tgt Ion:228 Resp: 24100

Ion Ratio Lower Upper

228 100

226 30.1 24.7 37.1

229 19.8 15.8 23.6

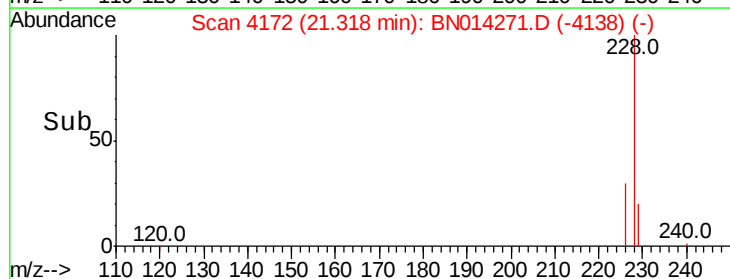
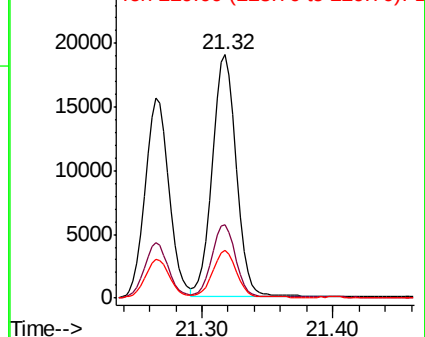


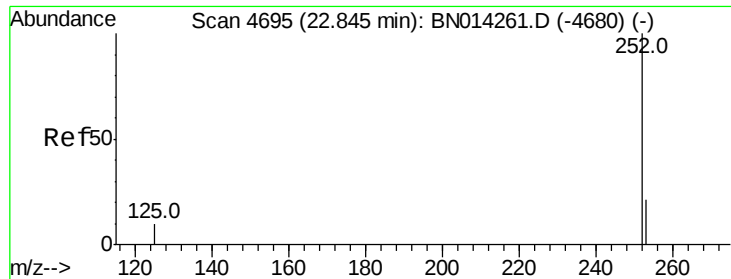
Abundance

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: 0.393 ng/ul

RT: 22.85 min Scan# 4695

Delta R.T. 0.00 min

Lab File: BN014271.D

Acq: 13 Apr 2021 15:01

Instrument :

BNA_N

ClientSampleId :

SSTD0.4004

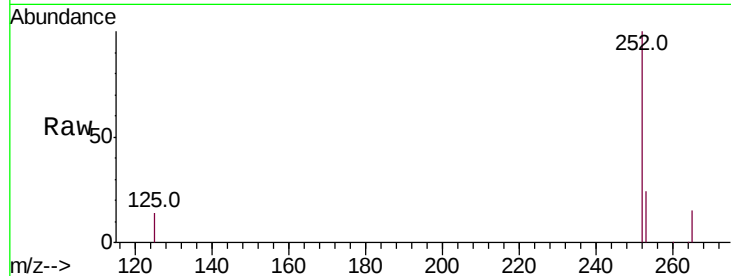
Tot Ion:252 Resp: 23380

Ion Ratio Lower Upper

252 100

253 24.4 0.0 47.4

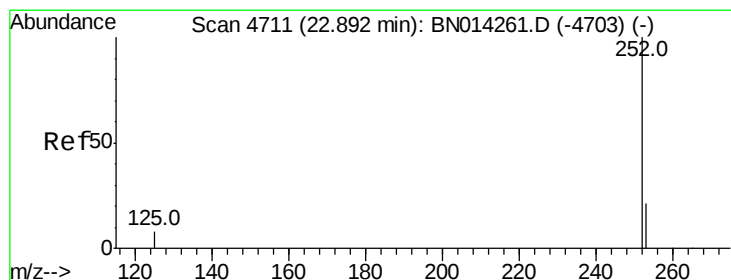
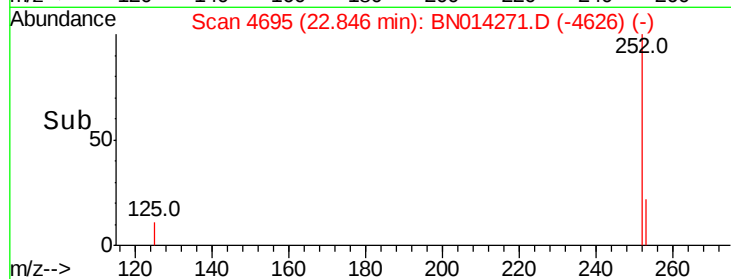
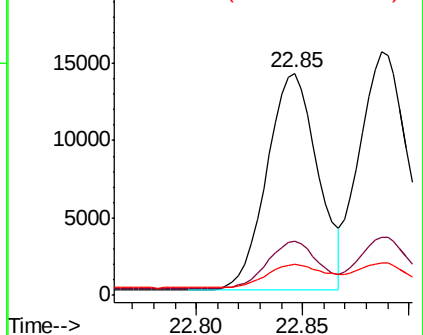
125 14.0 0.0 26.4



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



#25

Benzo(k)fluoranthene

Concen: 0.420 ng/ul

RT: 22.89 min Scan# 4709

Delta R.T. -0.00 min

Lab File: BN014271.D

Acq: 13 Apr 2021 15:01

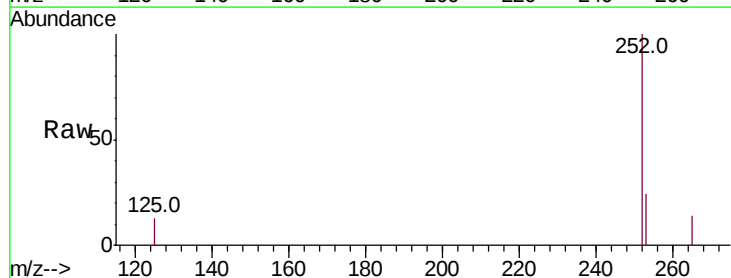
Tgt Ion:252 Resp: 25393

Ion Ratio Lower Upper

252 100

253 23.9 19.2 28.8

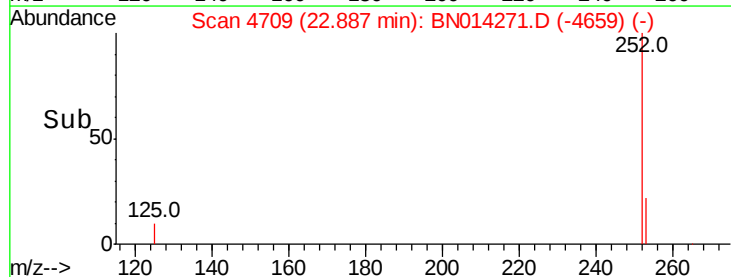
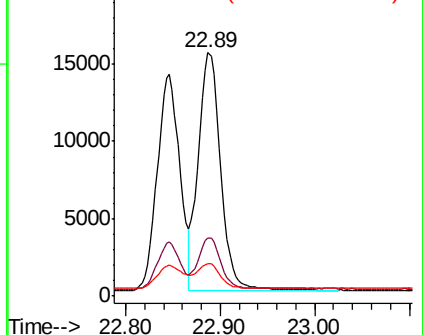
125 13.4 10.5 15.7

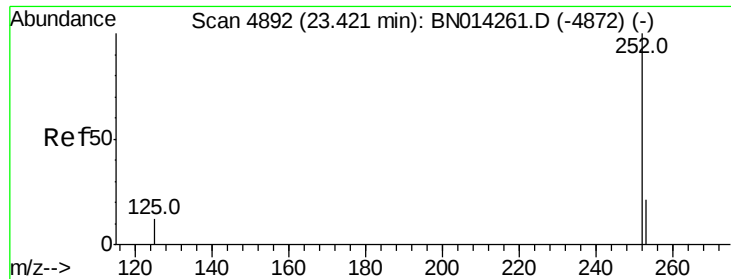


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.384 ng/u1

RT: 23.42 min Scan# 4890

Delta R.T. -0.00 min

Lab File: BN014271.D

Acq: 13 Apr 2021 15:01

Instrument :

BNA_N

ClientSampleId :

SSTD0.4004

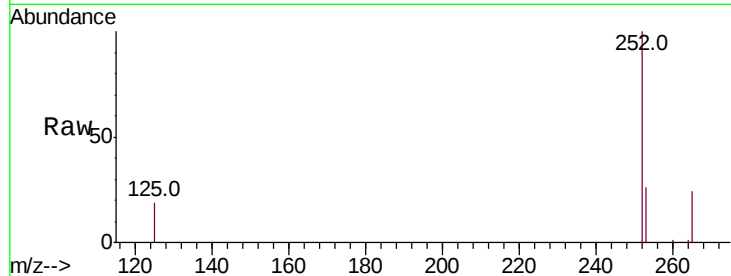
Tot Ion:252 Resp: 18951

Ion Ratio Lower Upper

252 100

253 26.1 20.1 30.1

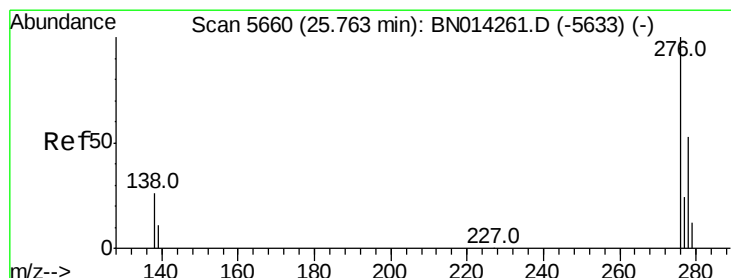
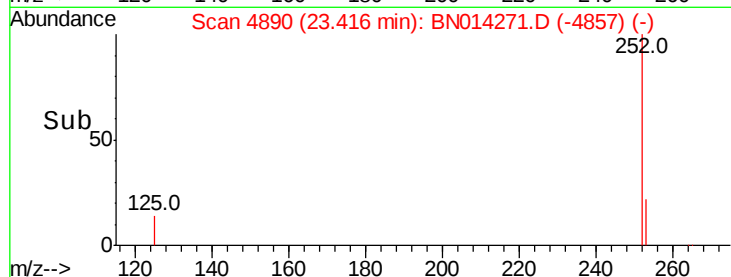
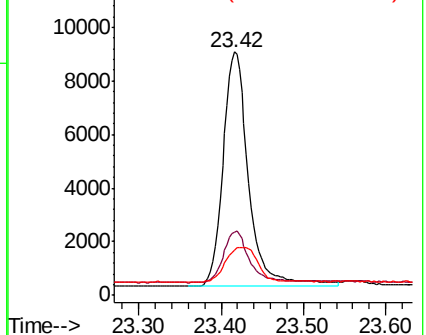
125 18.8 13.1 19.7



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: 0.424 ng/u1

RT: 25.76 min Scan# 5659

Delta R.T. -0.00 min

Lab File: BN014271.D

Acq: 13 Apr 2021 15:01

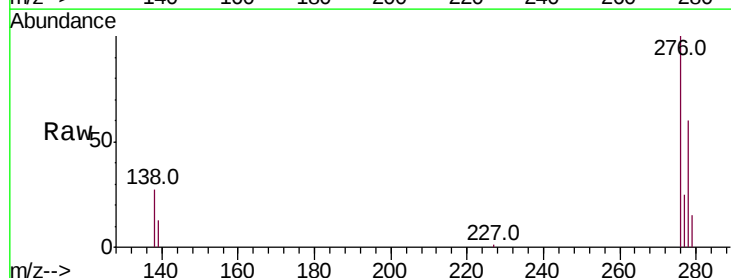
Tgt Ion:276 Resp: 28803

Ion Ratio Lower Upper

276 100

138 28.5 21.9 32.9

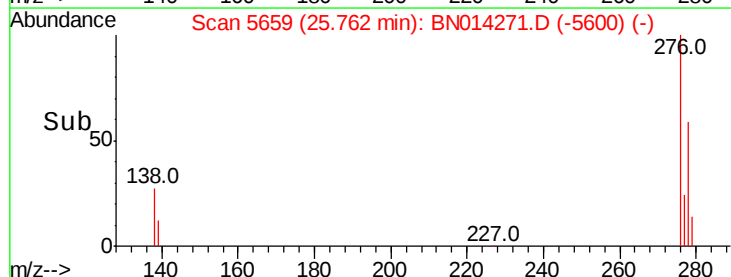
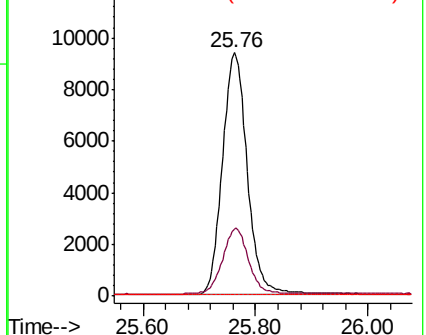
227 0.0 0.2 0.4#

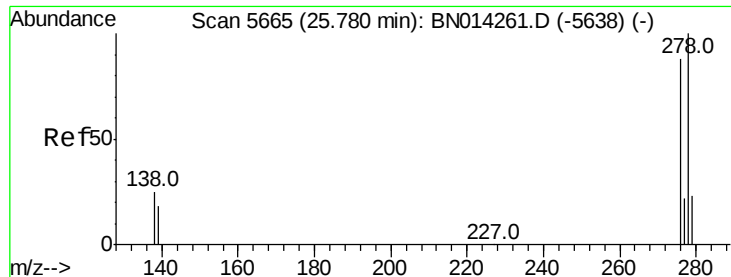


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.421 ng/ul

RT: 25.78 min Scan# 5663

Delta R.T. -0.01 min

Lab File: BN014271.D

Acq: 13 Apr 2021 15:01

Instrument :

BNA_N

ClientSampleId :

SSTD0.4004

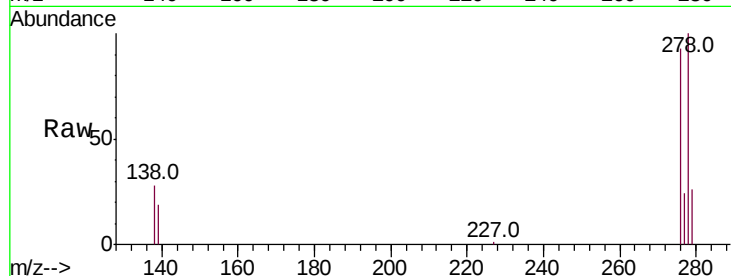
Tot Ion:278 Resp: 22825

Ion Ratio Lower Upper

278 100

139 19.4 15.7 23.5

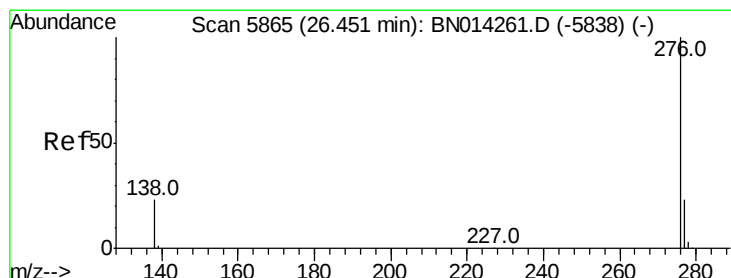
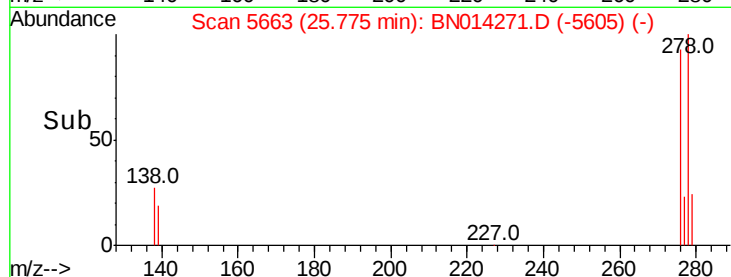
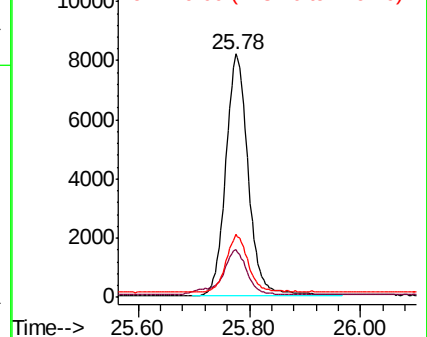
279 25.9 20.1 30.1



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: 0.412 ng/ul

RT: 26.44 min Scan# 5862

Delta R.T. -0.01 min

Lab File: BN014271.D

Acq: 13 Apr 2021 15:01

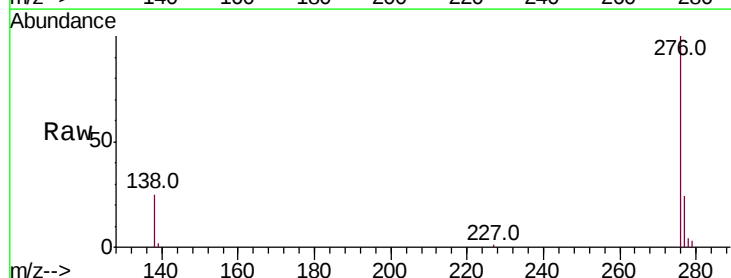
Tgt Ion:276 Resp: 23571

Ion Ratio Lower Upper

276 100

138 24.6 19.7 29.5

277 24.4 19.2 28.8



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

