

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041321\
 Data File : BN014269.D
 Acq On : 13 Apr 2021 12:04
 Operator : CG/JU
 Sample : PB135563BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS563

Quant Time: Apr 14 01:33:36 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

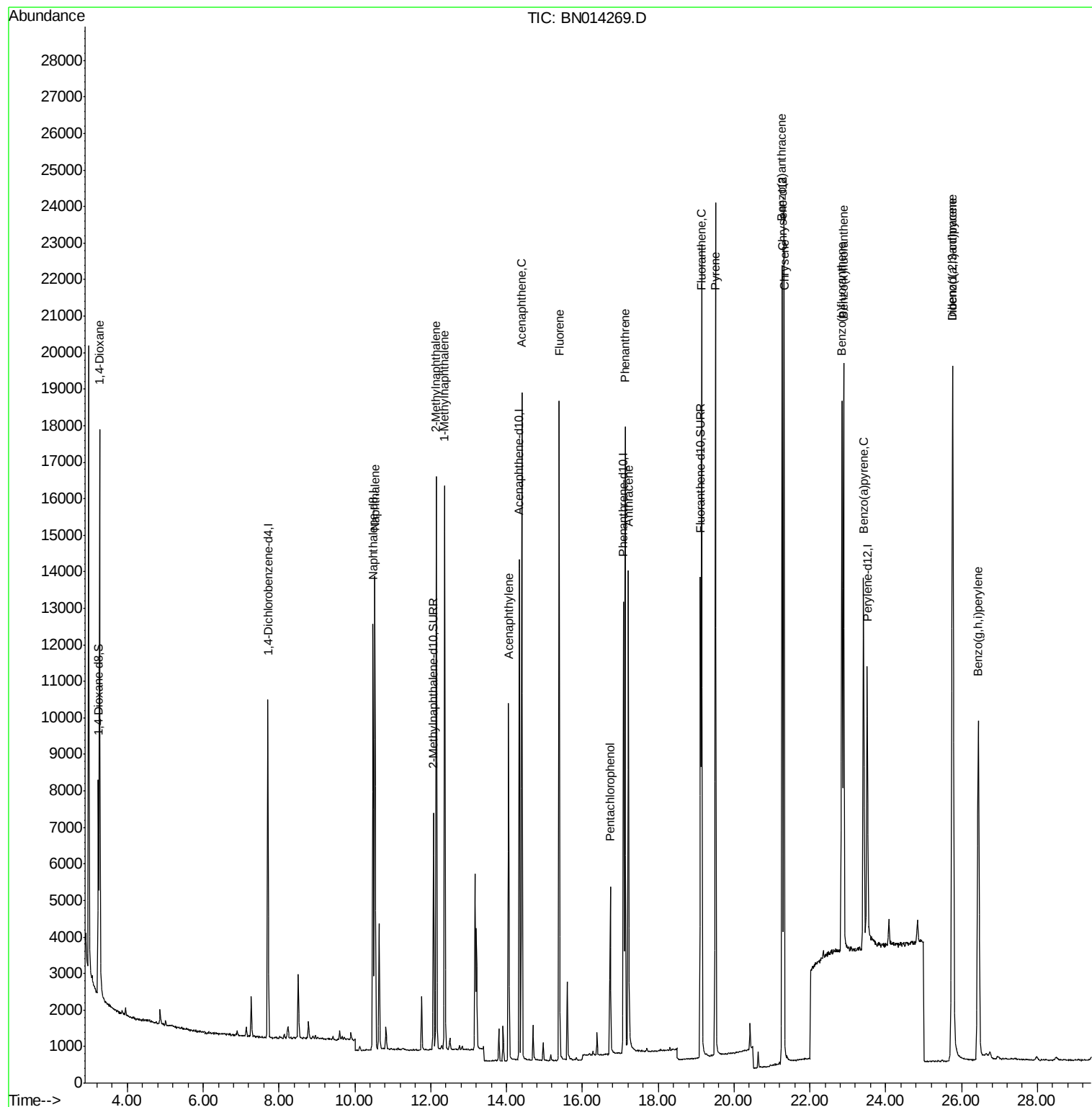
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	4630	0.40	ng/ul	0.00
4) Naphthalene-d8	10.48	136	15338	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.34	164	7531	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.08	188	14575	0.40	ng/ul	0.00
17) Chrysene-d12	21.28	240	11903	0.40	ng/ul	0.00
23) Perylene-d12	23.51	264	10382	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.24	96	3895	0.77	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.08	152	8506	0.36	ng/ul	0.00
18) Fluoranthene-d10	19.12	212	14801	0.40	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.27	88	10410	2.025	ng/ul#	73
5) Naphthalene	10.53	128	17386	0.383	ng/ul	100
7) 2-Methylnaphthalene	12.15	142	10761	0.372	ng/ul	100
8) 1-Methylnaphthalene	12.37	142	10394	0.374	ng/ul	99
10) Acenaphthylene	14.06	152	11261	0.319	ng/ul	100
11) Acenaphthene	14.40	153	10342	0.376	ng/ul	100
12) Fluorene	15.39	166	11052	0.361	ng/ul	99
14) Pentachlorophenol	16.73	266	2997	0.635	ng/ul	99
15) Phenanthrene	17.13	178	18310	0.389	ng/ul	99
16) Anthracene	17.22	178	14388	0.349	ng/ul	99
19) Fluoranthene	19.15	202	19483	0.408	ng/ul	98
20) Pyrene	19.51	202	19604	0.403	ng/ul	99
21) Benzo(a)anthracene	21.26	228	16526	0.375	ng/ul	99
22) Chrysene	21.32	228	19717	0.431	ng/ul	99
24) Benzo(b)fluoranthene	22.84	252	19366	0.414	ng/ul	97
25) Benzo(k)fluoranthene	22.89	252	20817	0.438	ng/ul	98
26) Benzo(a)pyrene	23.41	252	15650	0.404	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	25.76	276	23668	0.443	ng/ul	99
28) Dibenzo(a,h)anthracene	25.77	278	18668	0.438	ng/ul	99
29) Benzo(g,h,i)perylene	26.44	276	19776	0.439	ng/ul	99

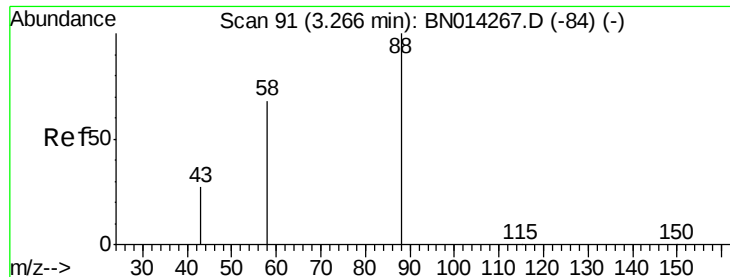
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 2.025 ng/ul

RT: 3.27 min Scan# 91

Delta R.T. 0.00 min

Lab File: BN014269.D

Acq: 13 Apr 2021 12:04

Instrument :

BNA_N

ClientSampleId :

SLCS563

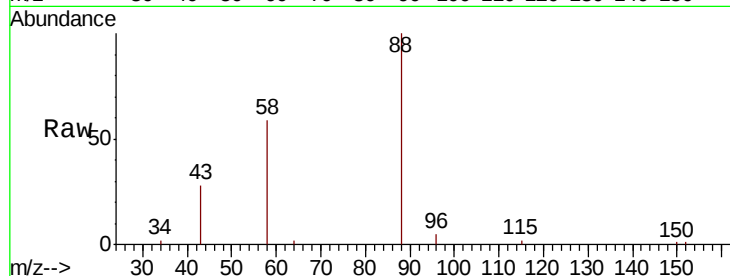
Tot Ion: 88 Resp: 10410

Ion Ratio Lower Upper

88 100

43 27.8 35.9 53.9#

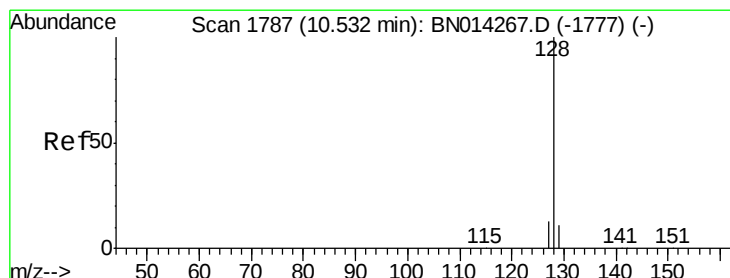
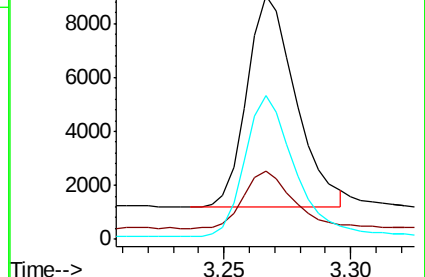
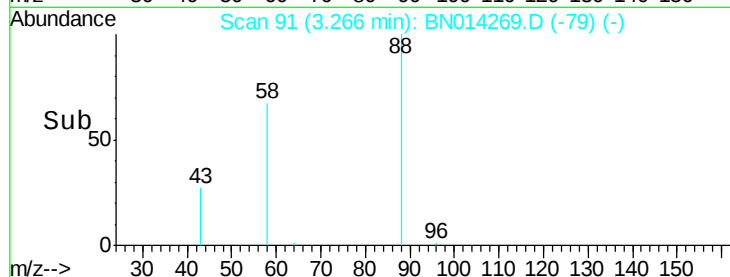
58 59.0 33.6 50.4#



Abundance Ion 88.00 (87.70 to 88.70): BN014269.D (-79) (-)

Ion 43.00 (42.70 to 43.70): BN014269.D (-79) (-)

Ion 58.00 (57.70 to 58.70): BN014269.D (-79) (-)



#5

Naphthalene

Concen: 0.383 ng/ul

RT: 10.53 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BN014269.D

Acq: 13 Apr 2021 12:04

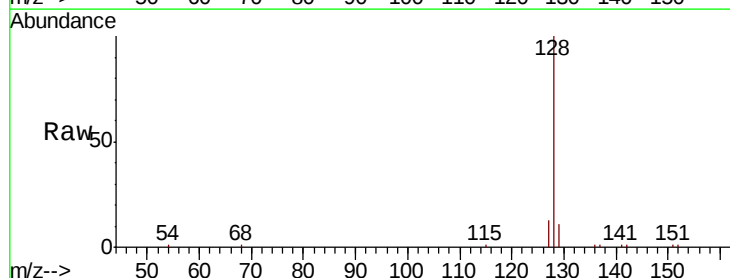
Tgt Ion: 128 Resp: 17386

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

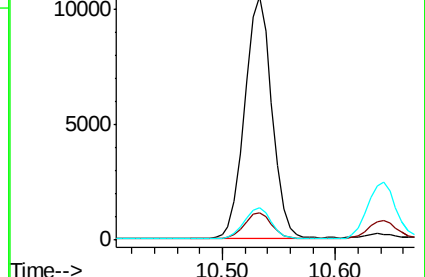
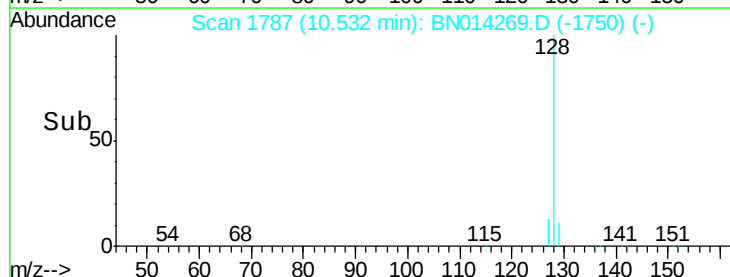
127 13.4 10.6 15.8

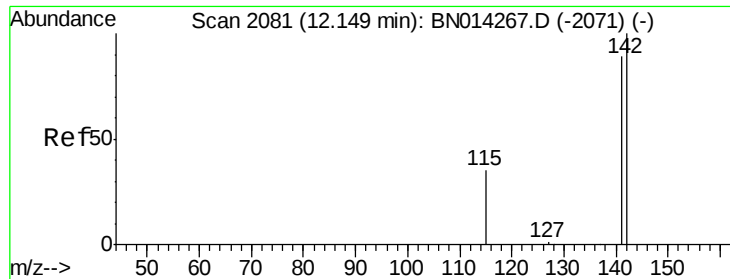


Abundance Ion 128.00 (127.70 to 128.70): BN014269.D (-1750) (-)

Ion 129.00 (128.70 to 129.70): BN014269.D (-1750) (-)

Ion 127.00 (126.70 to 127.70): BN014269.D (-1750) (-)





#7

2-Methylnaphthalene

Concen: 0.372 ng/ul

RT: 12.15 min Scan# 2081

Delta R.T. 0.00 min

Lab File: BN014269.D

Acq: 13 Apr 2021 12:04

Instrument :

BNA_N

ClientSampleId :

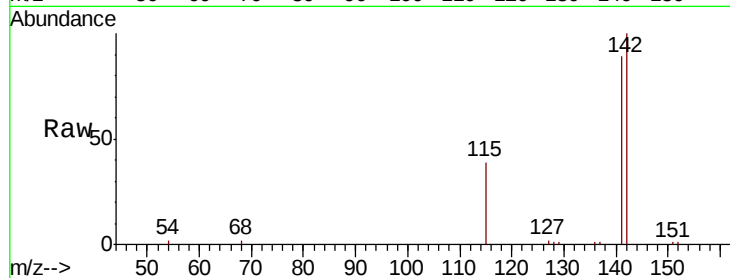
SLCS563

Tot Ion:142 Resp: 10761

Ion Ratio Lower Upper

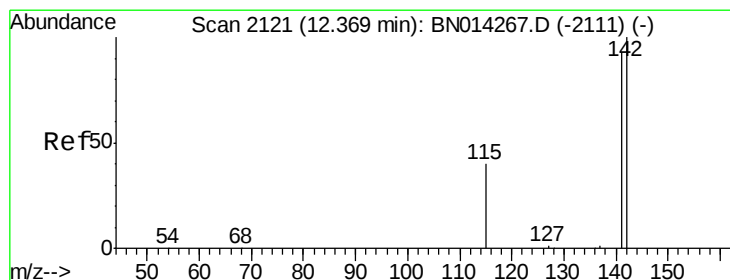
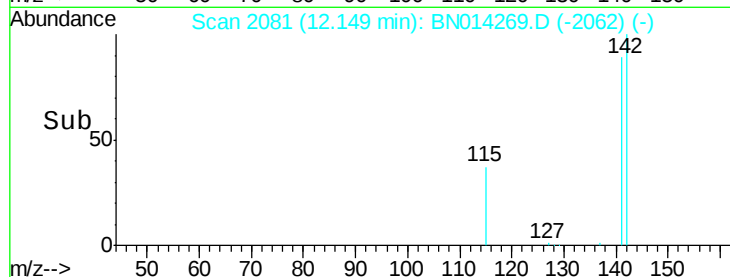
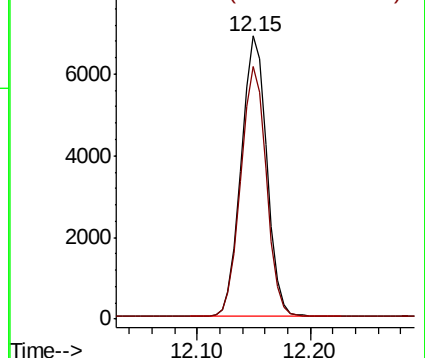
142 100

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: 0.374 ng/ul

RT: 12.37 min Scan# 2121

Delta R.T. -0.00 min

Lab File: BN014269.D

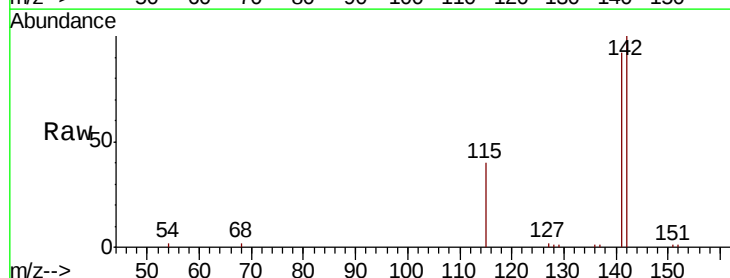
Acq: 13 Apr 2021 12:04

Tgt Ion:142 Resp: 10394

Ion Ratio Lower Upper

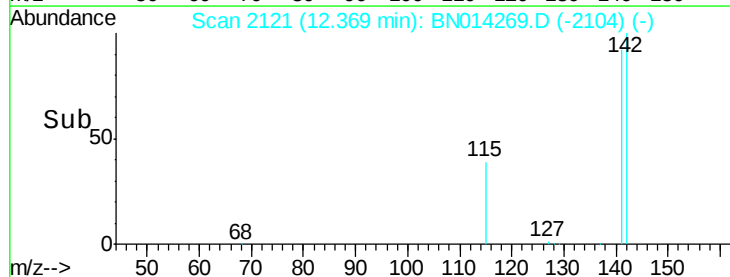
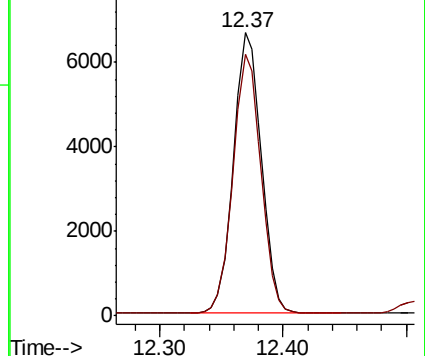
142 100

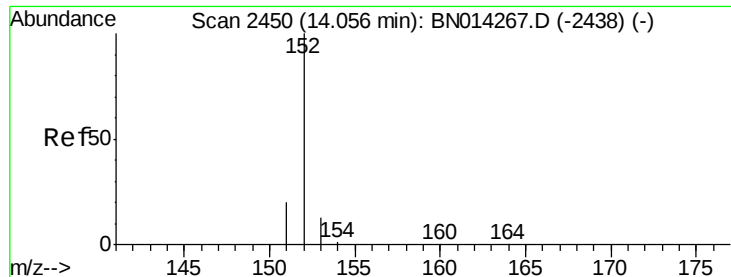
141 92.5 73.4 110.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.319 ng/ul

RT: 14.06 min Scan# 2450

Delta R.T. -0.00 min

Lab File: BN014269.D

Acq: 13 Apr 2021 12:04

Instrument :

BNA_N

ClientSampleId :

SLCS563

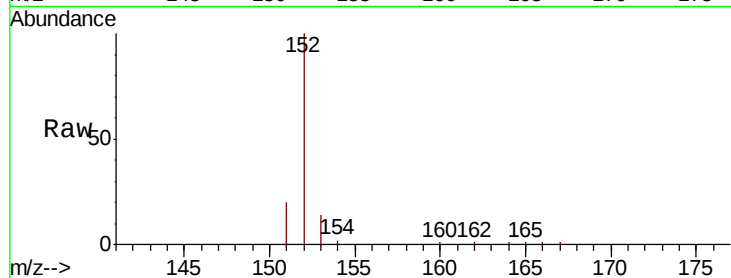
Tot Ion:152 Resp: 11261

Ion Ratio Lower Upper

152 100

151 20.1 15.9 23.9

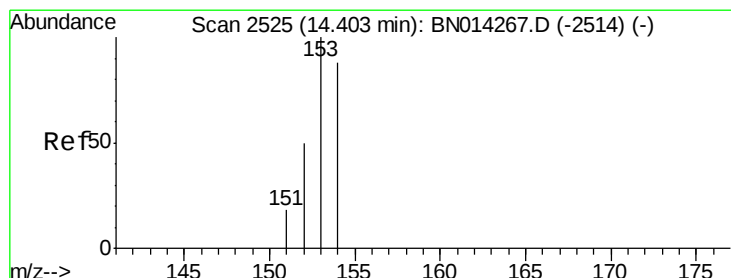
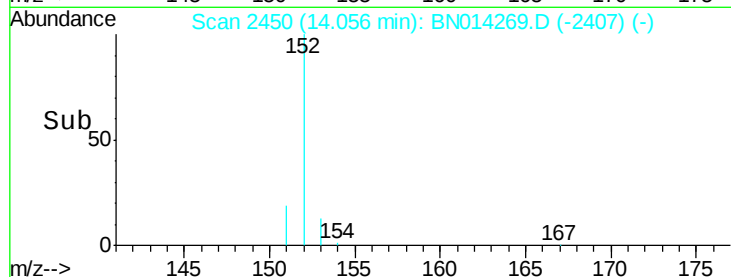
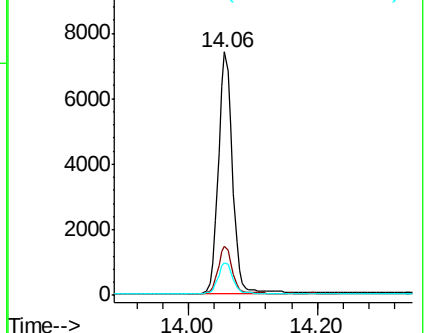
153 13.5 11.0 16.4



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: 0.376 ng/ul

RT: 14.40 min Scan# 2525

Delta R.T. 0.00 min

Lab File: BN014269.D

Acq: 13 Apr 2021 12:04

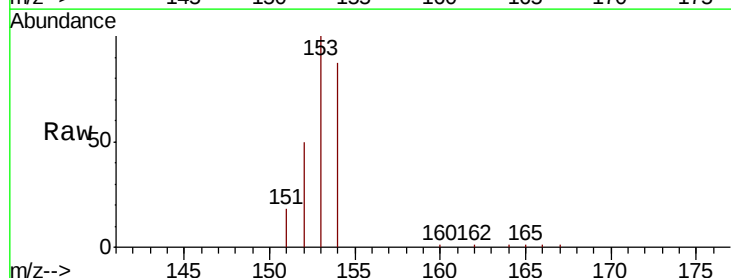
Tgt Ion:153 Resp: 10342

Ion Ratio Lower Upper

153 100

152 50.0 40.1 60.1

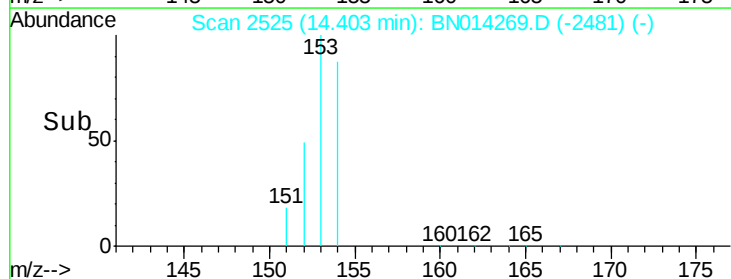
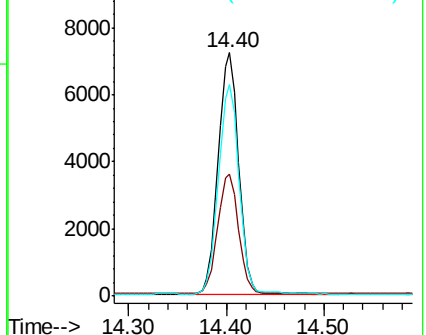
154 86.8 69.1 103.7

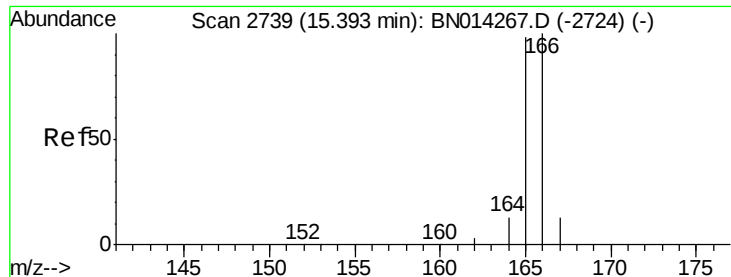


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.361 ng/ul

RT: 15.39 min Scan# 2738

Delta R.T. -0.00 min

Lab File: BN014269.D

Acq: 13 Apr 2021 12:04

Instrument :

BNA_N

ClientSampleId :

SLCS563

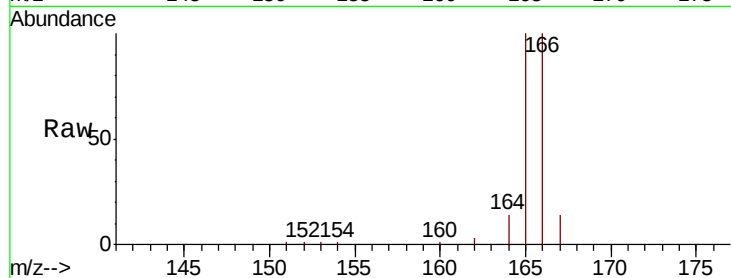
Tot Ion:166 Resp: 11052

Ion Ratio Lower Upper

166 100

165 100.4 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

10000

8000

6000

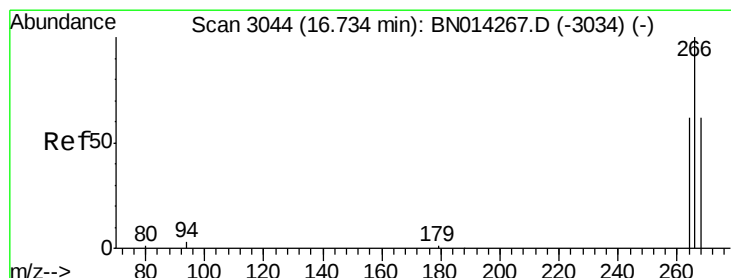
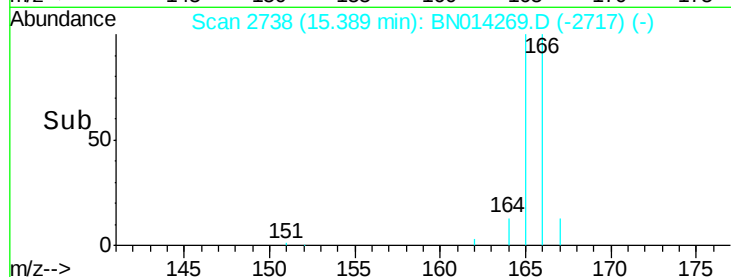
4000

2000

0

15.39

Time-->



#14

Pentachlorophenol

Concen: 0.635 ng/ul

RT: 16.73 min Scan# 3044

Delta R.T. 0.00 min

Lab File: BN014269.D

Acq: 13 Apr 2021 12:04

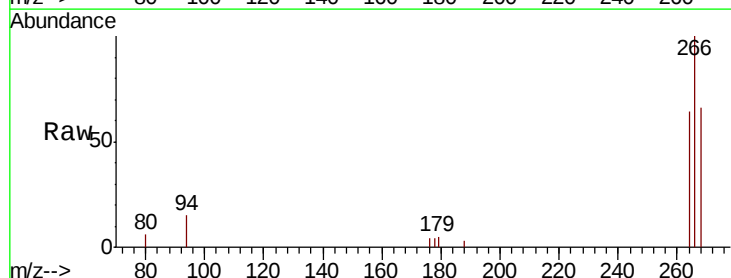
Tgt Ion:266 Resp: 2997

Ion Ratio Lower Upper

266 100

264 63.1 49.7 74.5

268 63.9 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

2500

2000

1500

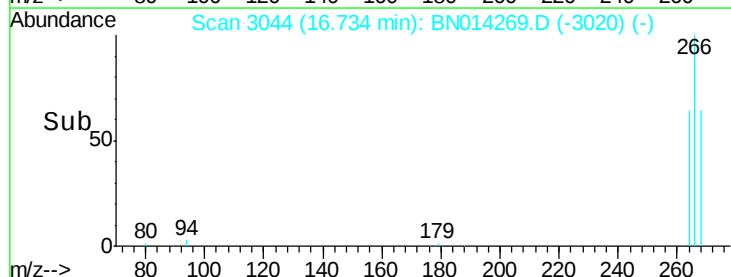
1000

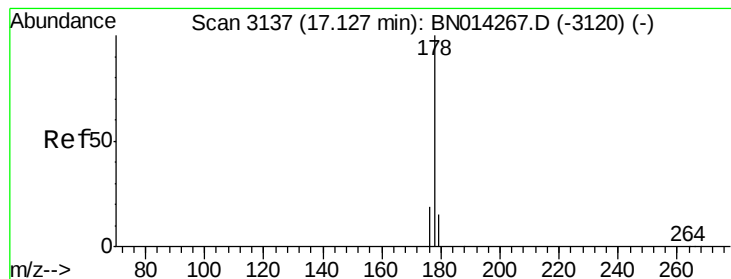
500

0

16.73

Time-->





#15

Phenanthrene

Concen: 0.389 ng/ul

RT: 17.13 min Scan# 3137

Delta R.T. 0.00 min

Lab File: BN014269.D

Acq: 13 Apr 2021 12:04

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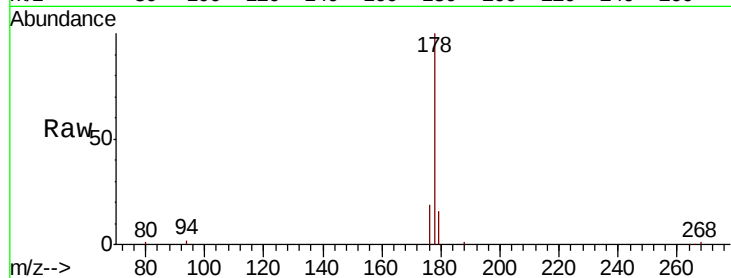
Tot Ion:178 Resp: 18310

Ion Ratio Lower Upper

178 100

179 15.8 12.4 18.6

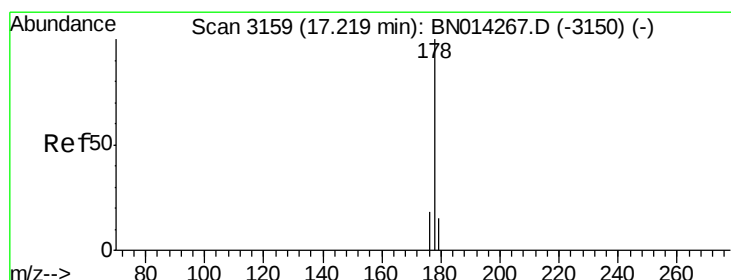
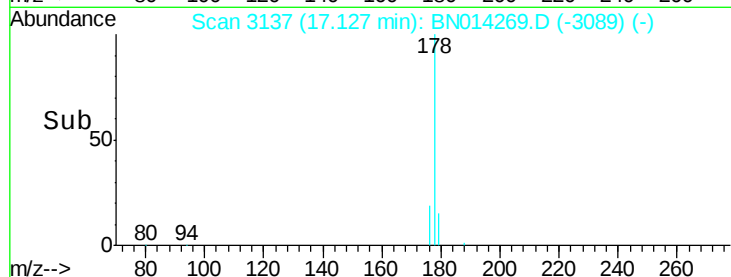
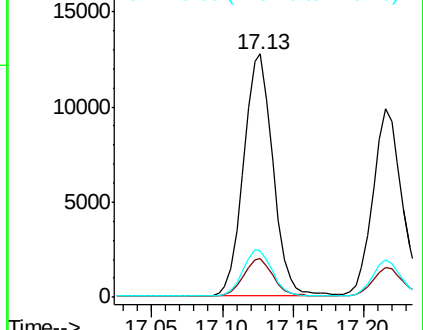
176 19.3 15.9 23.9



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: 0.349 ng/ul

RT: 17.22 min Scan# 3158

Delta R.T. -0.00 min

Lab File: BN014269.D

Acq: 13 Apr 2021 12:04

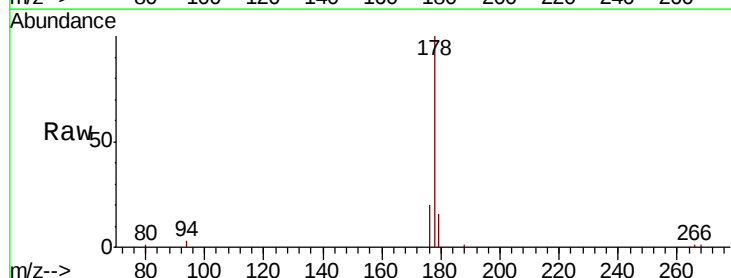
Tgt Ion:178 Resp: 14388

Ion Ratio Lower Upper

178 100

179 16.1 12.6 19.0

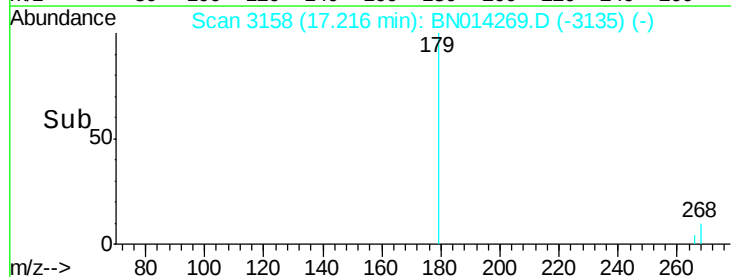
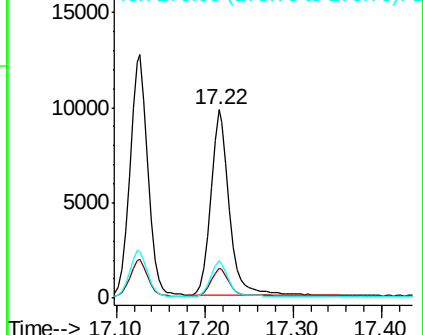
176 19.6 15.2 22.8

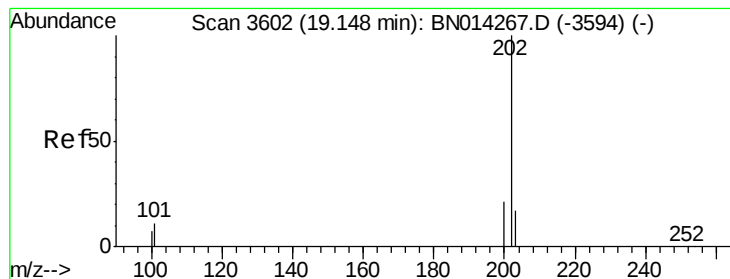


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 0.408 ng/ul

RT: 19.15 min Scan# 3602

Delta R.T. 0.00 min

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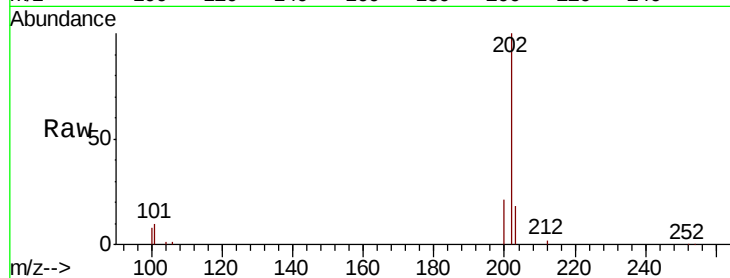
Tot Ion:202 Resp: 19483

Ion Ratio Lower Upper

202 100

101 10.5 9.0 13.6

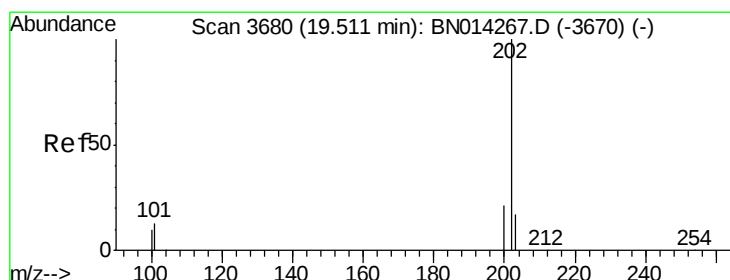
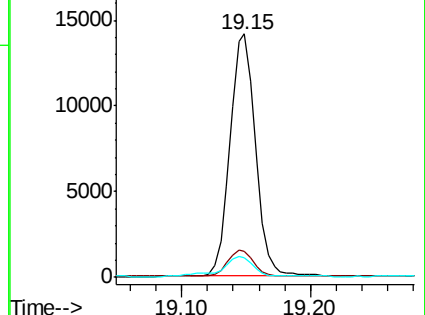
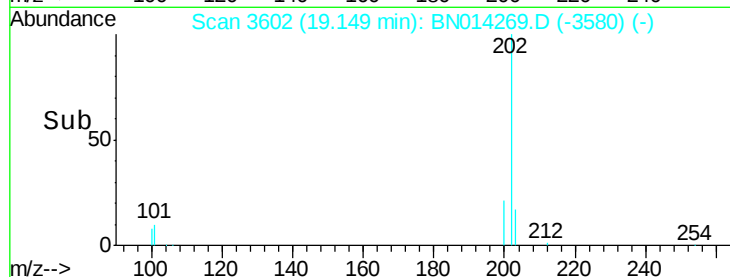
100 8.0 6.8 10.2



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: 0.403 ng/ul

RT: 19.51 min Scan# 3680

Delta R.T. -0.00 min

Lab File: BN014269.D

Acq: 13 Apr 2021 12:04

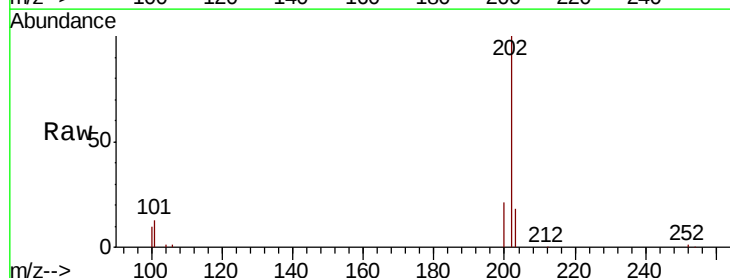
Tgt Ion:202 Resp: 19604

Ion Ratio Lower Upper

202 100

101 12.7 9.9 14.9

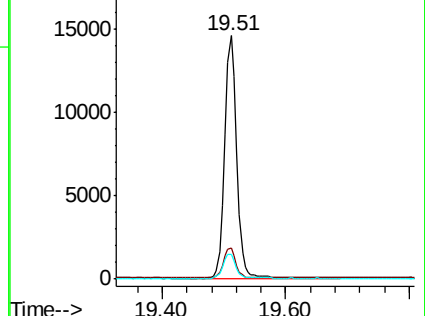
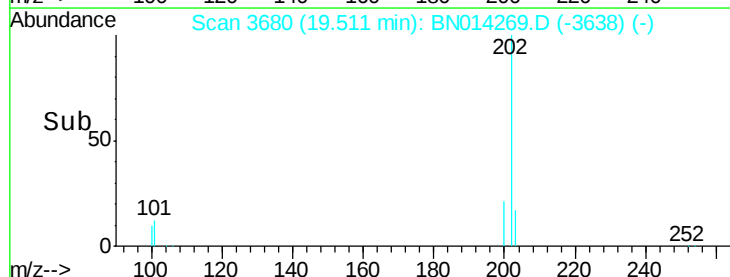
100 10.2 7.8 11.8

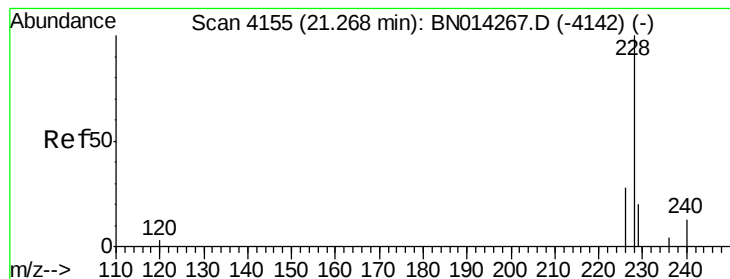


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.375 ng/ul

RT: 21.26 min Scan# 4153

Delta R.T. -0.00 min

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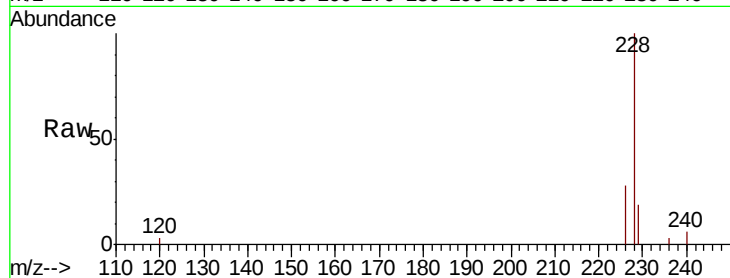
Tot Ion:228 Resp: 16526

Ion Ratio Lower Upper

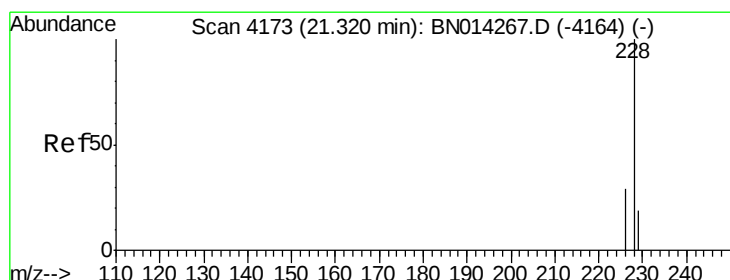
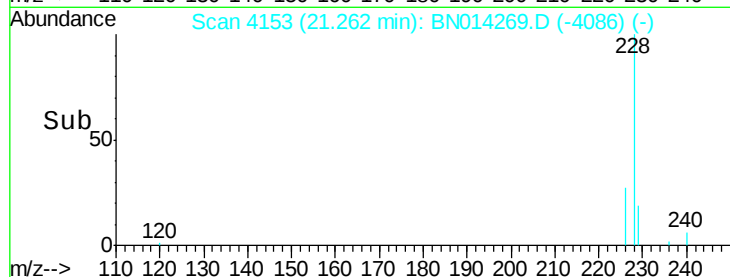
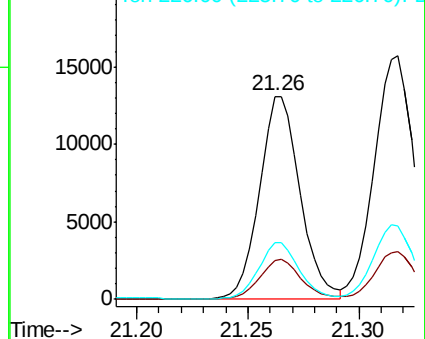
228 100

229 19.4 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: 0.431 ng/ul

RT: 21.32 min Scan# 4172

Delta R.T. -0.00 min

Lab File: BN014269.D

Acq: 13 Apr 2021 12:04

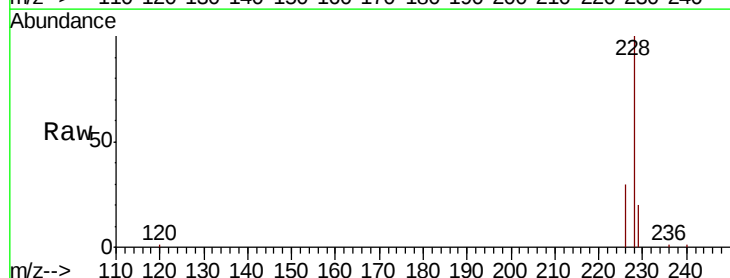
Tgt Ion:228 Resp: 19717

Ion Ratio Lower Upper

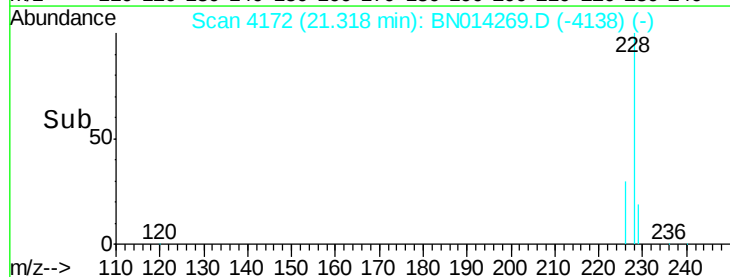
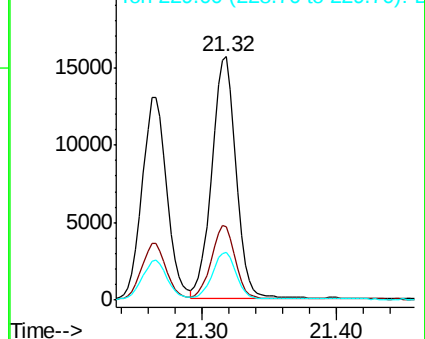
228 100

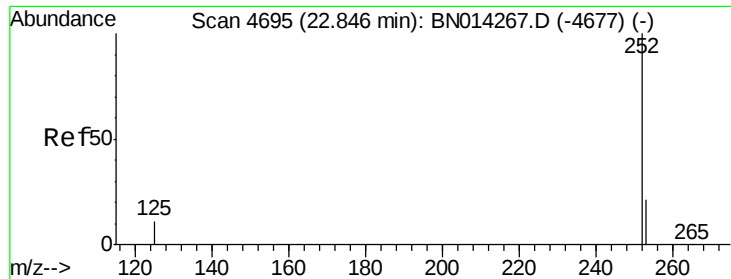
226 30.1 24.7 37.1

229 19.7 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: 0.414 ng/ul

RT: 22.84 min Scan# 4693

Delta R.T. -0.00 min

Lab File: BN014269.D

Acq: 13 Apr 2021 12:04

Instrument :

BNA_N

ClientSampleId :

SLCS563

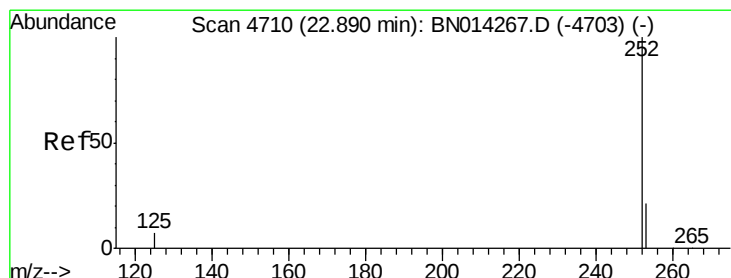
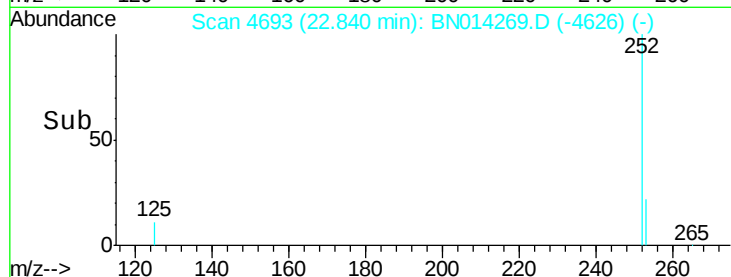
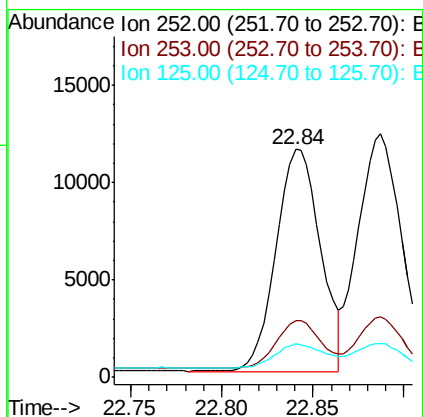
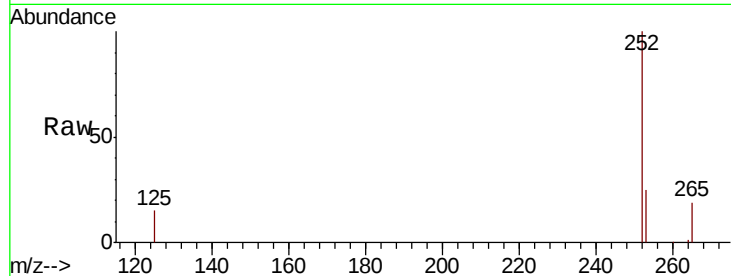
Tot Ion:252 Resp: 19366

Ion Ratio Lower Upper

252 100

253 24.9 0.0 47.4

125 14.6 0.0 26.4



#25

Benzo(k)fluoranthene

Concen: 0.438 ng/ul

RT: 22.89 min Scan# 4709

Delta R.T. -0.00 min

Lab File: BN014269.D

Acq: 13 Apr 2021 12:04

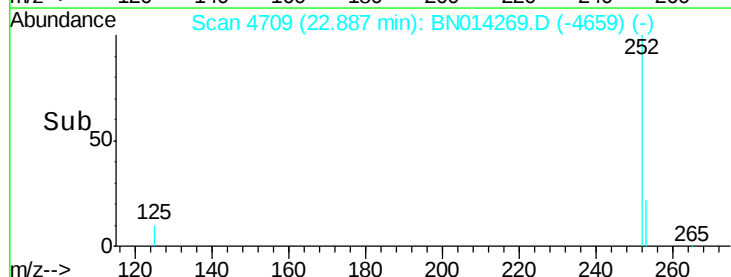
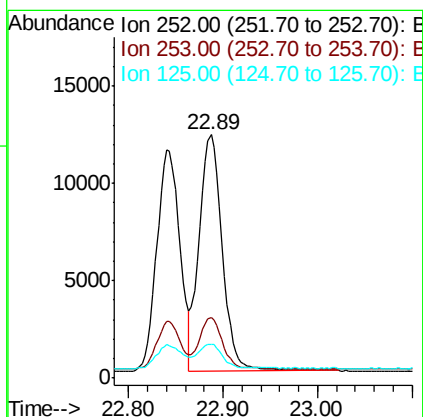
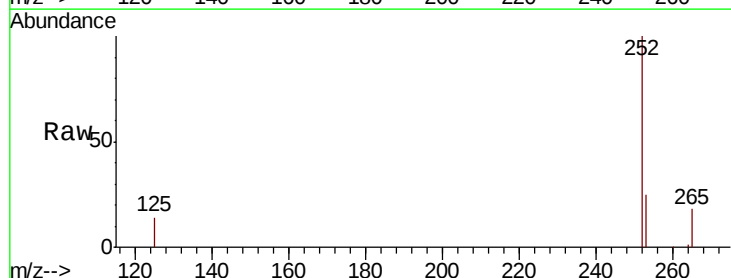
Tgt Ion:252 Resp: 20817

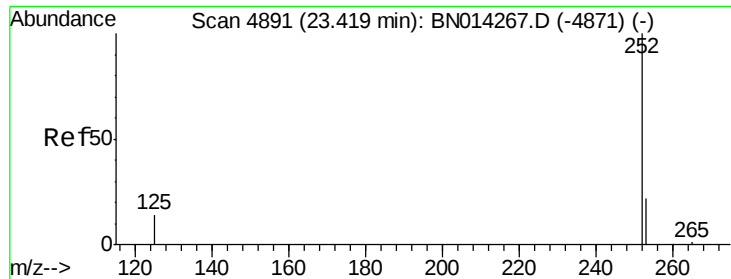
Ion Ratio Lower Upper

252 100

253 25.0 19.2 28.8

125 14.0 10.5 15.7





#26

Benzo(a)pyrene

Concen: 0.404 ng/ul

RT: 23.41 min Scan# 4889

Delta R.T. -0.01 min

Lab File: BN014269.D

Acq: 13 Apr 2021 12:04

Instrument :

BNA_N

ClientSampleId :

SLCS563

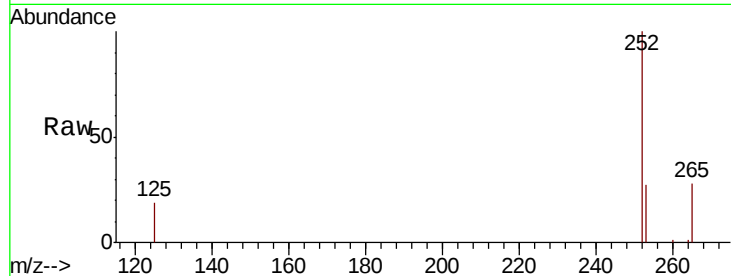
Tot Ion:252 Resp: 15650

Ion Ratio Lower Upper

252 100

253 26.8 20.1 30.1

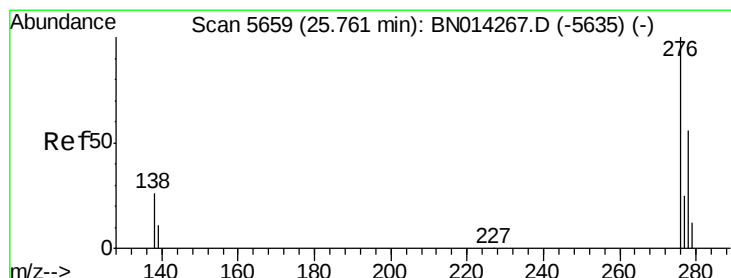
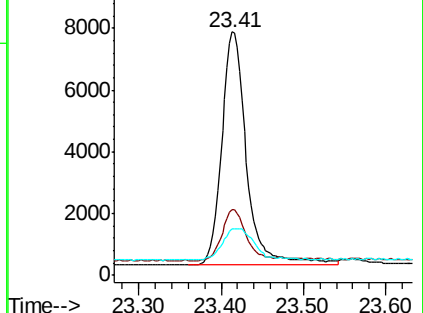
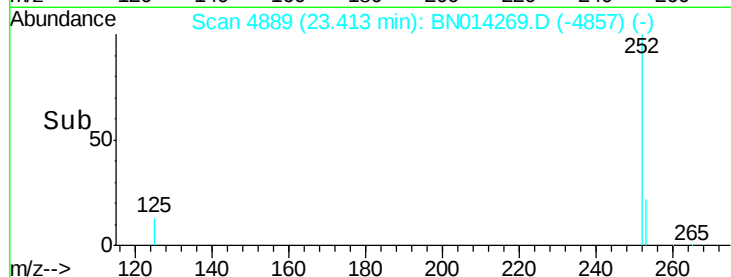
125 18.9 13.1 19.7



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: 0.443 ng/ul

RT: 25.76 min Scan# 5659

Delta R.T. -0.00 min

Lab File: BN014269.D

Acq: 13 Apr 2021 12:04

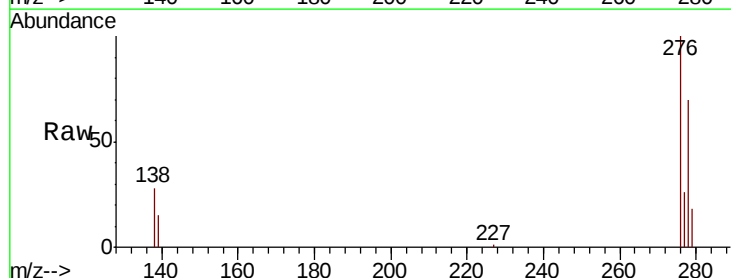
Tgt Ion:276 Resp: 23668

Ion Ratio Lower Upper

276 100

138 28.1 21.9 32.9

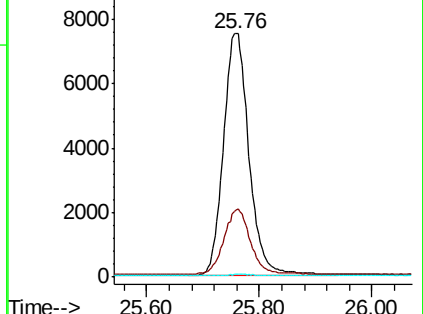
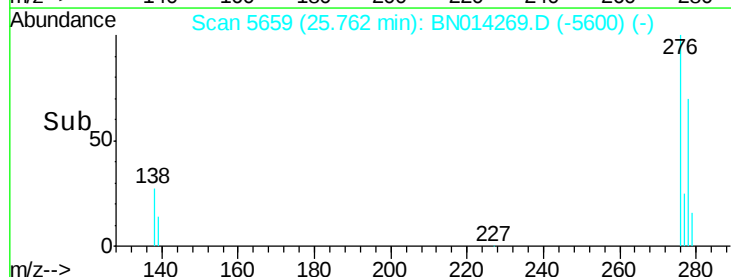
227 0.3 0.2 0.4

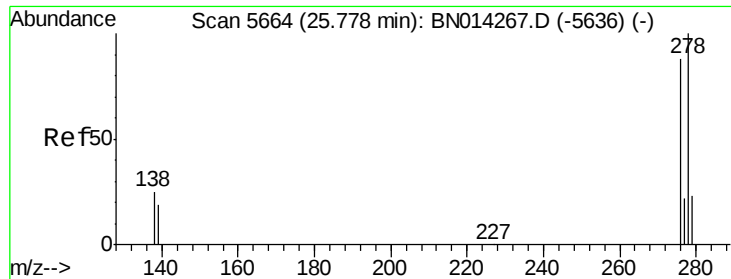


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.438 ng/ul

RT: 25.77 min Scan# 5662

Delta R.T. -0.01 min

Lab File: BN014269.D

Acq: 13 Apr 2021 12:04

Instrument :

BNA_N

ClientSampleId :

SLCS563

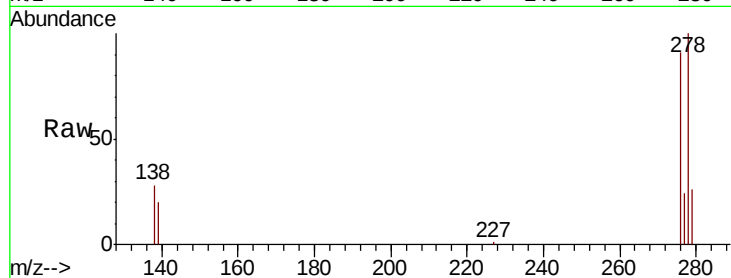
Tot Ion:278 Resp: 18668

Ion Ratio Lower Upper

278 100

139 19.7 15.7 23.5

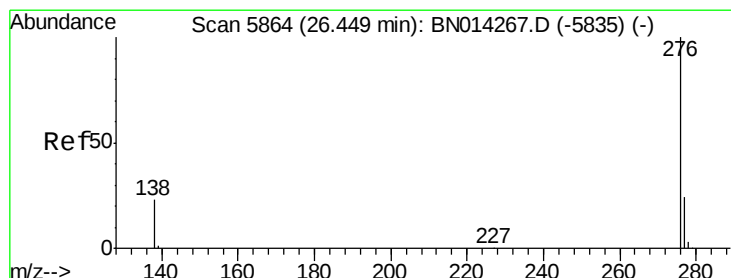
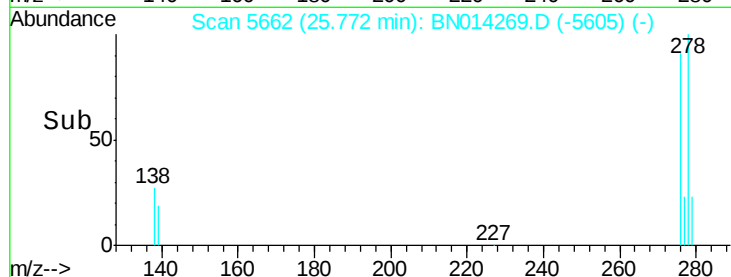
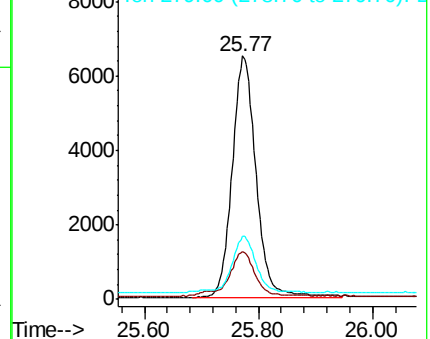
279 26.0 20.1 30.1



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: 0.439 ng/ul

RT: 26.44 min Scan# 5862

Delta R.T. -0.01 min

Lab File: BN014269.D

Acq: 13 Apr 2021 12:04

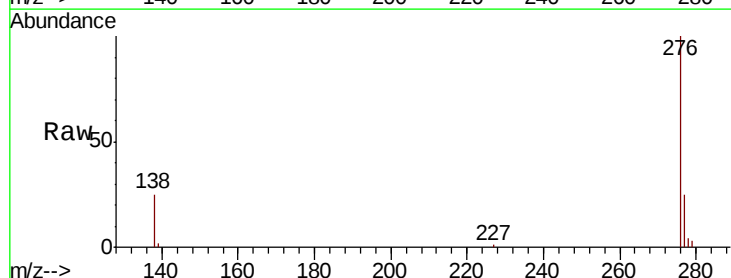
Tgt Ion:276 Resp: 19776

Ion Ratio Lower Upper

276 100

138 25.1 19.7 29.5

277 24.5 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

