

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012821\
 Data File : BN013529.D
 Acq On : 28 Jan 2021 16:20
 Operator : CG/JU
 Sample : PB134340BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS340

Quant Time: Jan 28 18:19:29 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA N\Methods\SFAM-EPA-SIM-BN012521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 28 11:56:28 2021
 Response via : Initial Calibration

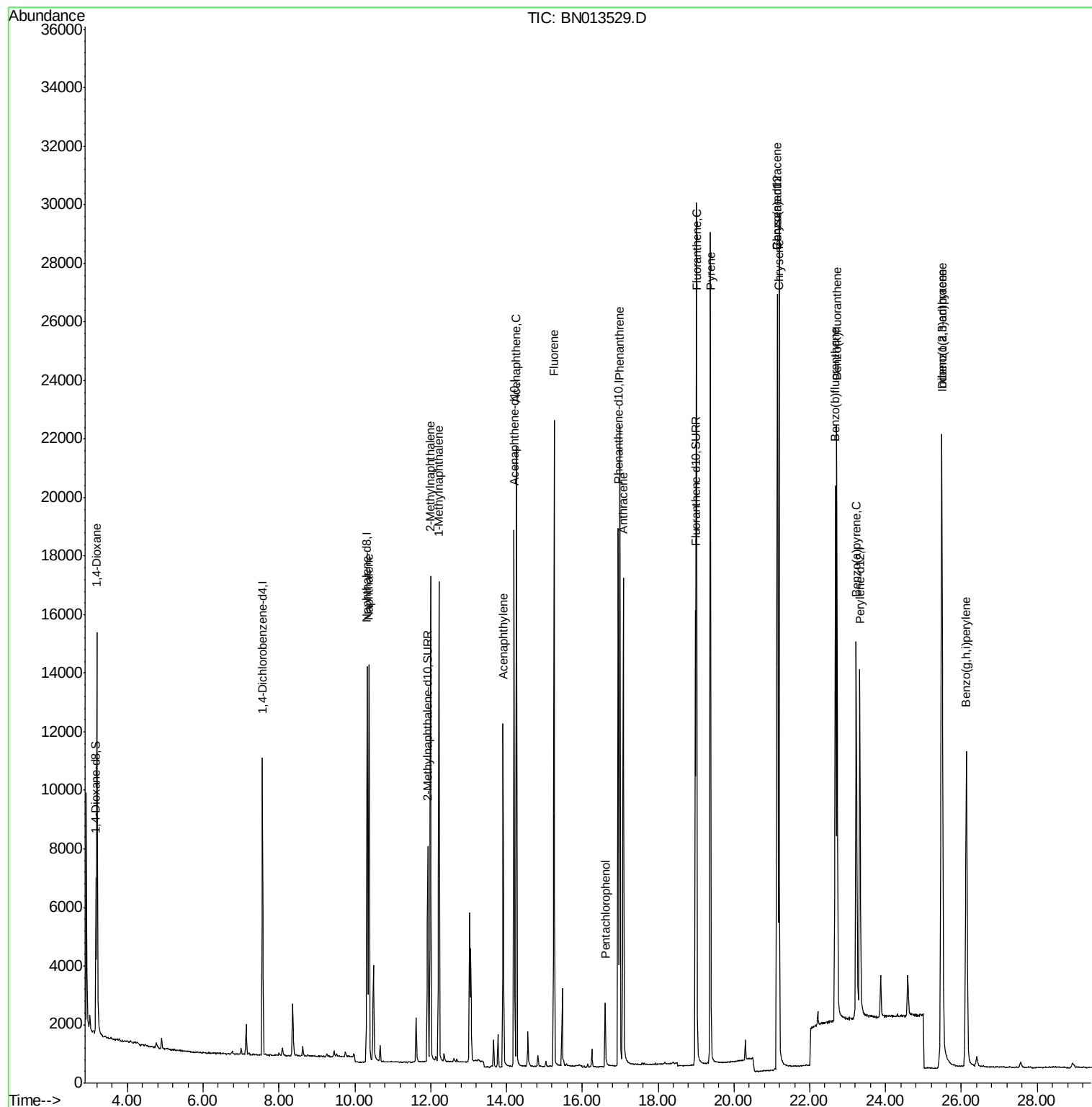
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	4943	0.40	ng/ul	0.00
4) Naphthalene-d8	10.33	136	18700	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.20	164	9892	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.95	188	21117	0.40	ng/ul	0.00
17) Chrysene-d12	21.15	240	17123	0.40	ng/ul	0.00
23) Perylene-d12	23.32	264	15410	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.17	96	3407	0.68	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.92	152	9495	0.35	ng/ul	0.00
18) Fluoranthene-d10	18.99	212	17852	0.35	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.20	88	8416	1.671	ng/ul#	86
5) Naphthalene	10.37	128	18404	0.350	ng/ul	99
7) 2-Methylnaphthalene	12.00	142	11981	0.339	ng/ul	99
8) 1-Methylnaphthalene	12.22	142	11381	0.336	ng/ul	100
10) Acenaphthylene	13.91	152	13665	0.329	ng/ul	99
11) Acenaphthene	14.26	153	12264	0.344	ng/ul	99
12) Fluorene	15.25	166	13820	0.349	ng/ul	98
14) Pentachlorophenol	16.60	266	1600	0.627	ng/ul	100
15) Phenanthrene	16.99	178	23288	0.343	ng/ul	100
16) Anthracene	17.08	178	18679	0.338	ng/ul	99
19) Fluoranthene	19.01	202	24476	0.361	ng/ul	99
20) Pyrene	19.38	202	24564	0.361	ng/ul	98
21) Benzo(a)anthracene	21.14	228	19215	0.356	ng/ul	99
22) Chrysene	21.19	228	23894	0.357	ng/ul	100
24) Benzo(b)fluoranthene	22.67	252	22188	0.329	ng/ul	99
25) Benzo(k)fluoranthene	22.71	252	25656	0.366	ng/ul	100
26) Benzo(a)pyrene	23.23	252	19551	0.369	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	25.47	276	25776	0.347	ng/ul#	80
28) Dibenzo(a,h)anthracene	25.49	278	20560	0.340	ng/ul	99
29) Benzo(g,h,i)perylene	26.13	276	21955	0.334	ng/ul	99

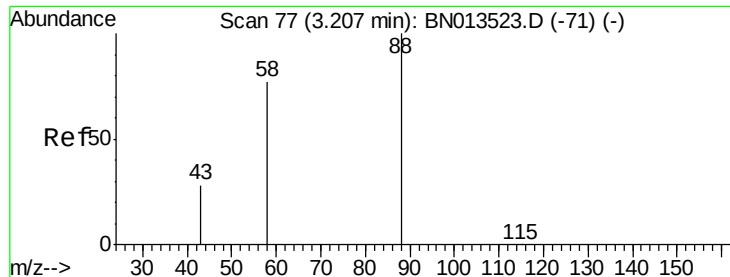
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.671 ng/ul

RT: 3.20 min Scan# 76

Delta R.T. -0.00 min

Lab File: BN013529.D

Acq: 28 Jan 2021 16:20

Instrument :

BNA_N

ClientSampleId :

SLCS340

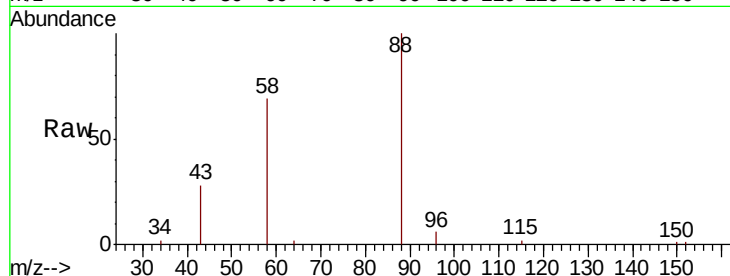
Tot Ion: 88 Resp: 8416

Ion Ratio Lower Upper

88 100

43 28.0 26.9 40.3

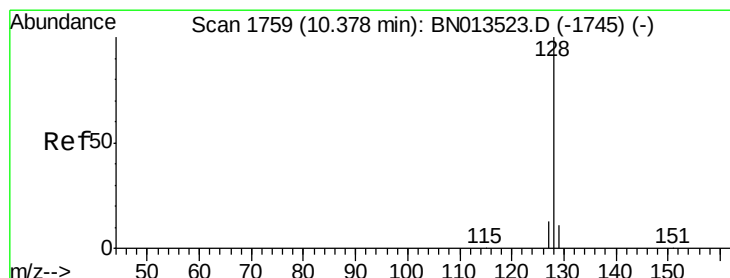
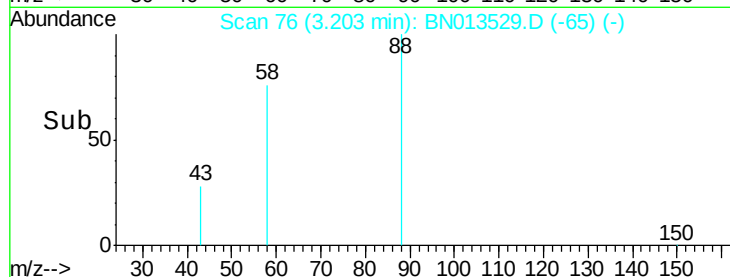
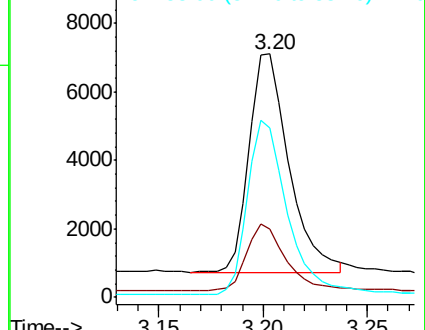
58 69.3 45.8 68.6#



Abundance Ion 88.00 (87.70 to 88.70): BN013523.D (-71) (-)

Ion 43.00 (42.70 to 43.70): BN013523.D (-71) (-)

Ion 58.00 (57.70 to 58.70): BN013523.D (-71) (-)



#5

Naphthalene

Concen: 0.350 ng/ul

RT: 10.37 min Scan# 1758

Delta R.T. -0.01 min

Lab File: BN013529.D

Acq: 28 Jan 2021 16:20

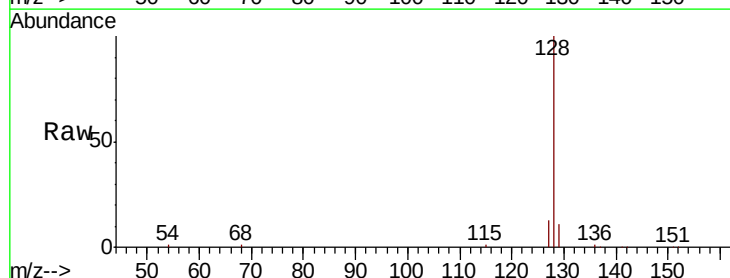
Tgt Ion: 128 Resp: 18404

Ion Ratio Lower Upper

128 100

129 11.3 9.2 13.8

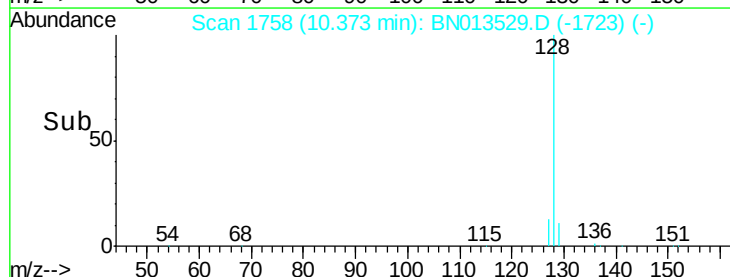
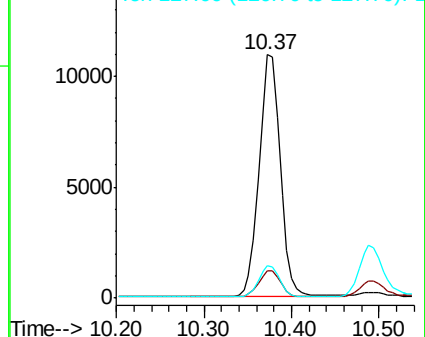
127 13.2 10.7 16.1

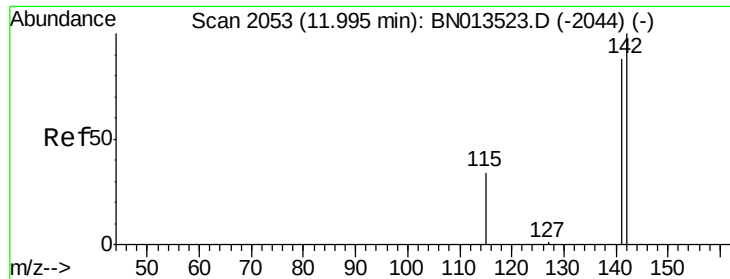


Abundance Ion 128.00 (127.70 to 128.70): BN013523.D (-1745) (-)

Ion 129.00 (128.70 to 129.70): BN013523.D (-1745) (-)

Ion 127.00 (126.70 to 127.70): BN013523.D (-1745) (-)





#7

2-Methylnaphthalene

Concen: 0.339 ng/ul

RT: 12.00 min Scan# 2053

Delta R.T. 0.00 min

Lab File: BN013529.D

Acq: 28 Jan 2021 16:20

Instrument :

BNA_N

ClientSampleId :

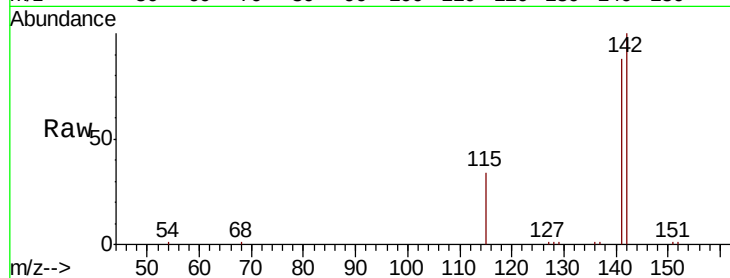
SLCS340

Tot Ion:142 Resp: 11981

Ion Ratio Lower Upper

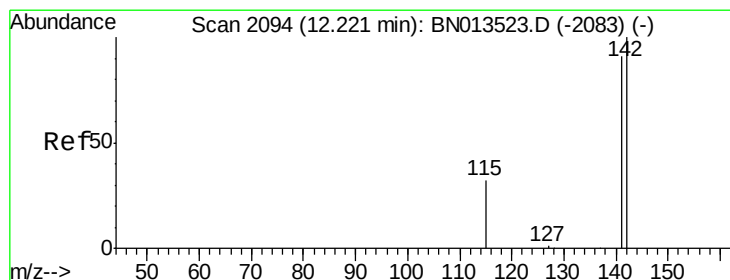
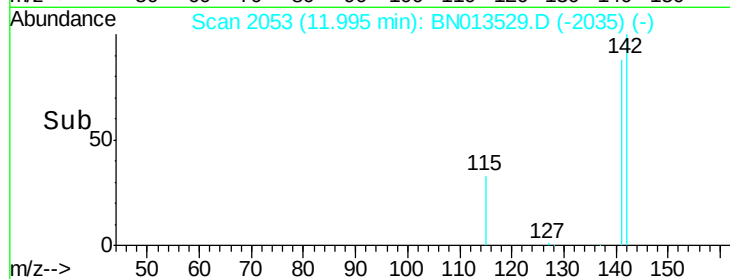
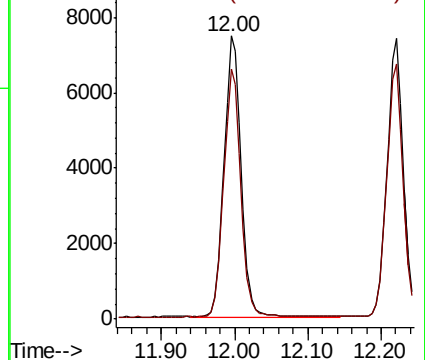
142 100

141 88.0 70.9 106.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.336 ng/ul

RT: 12.22 min Scan# 2094

Delta R.T. 0.00 min

Lab File: BN013529.D

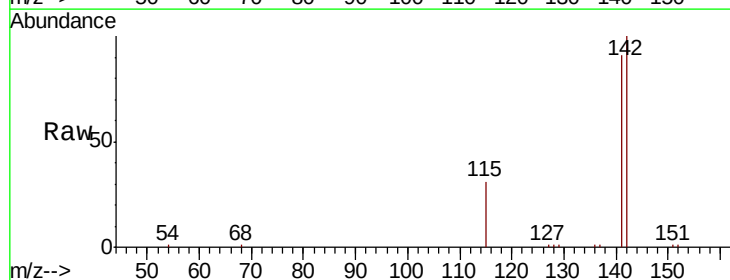
Acq: 28 Jan 2021 16:20

Tgt Ion:142 Resp: 11381

Ion Ratio Lower Upper

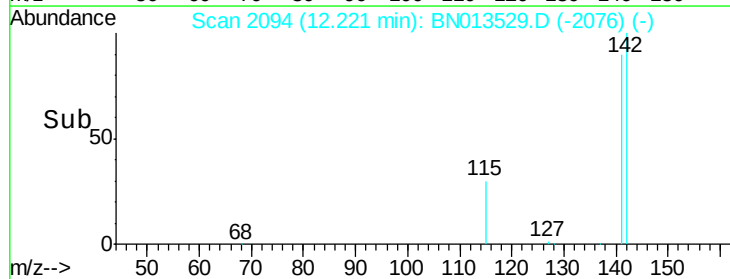
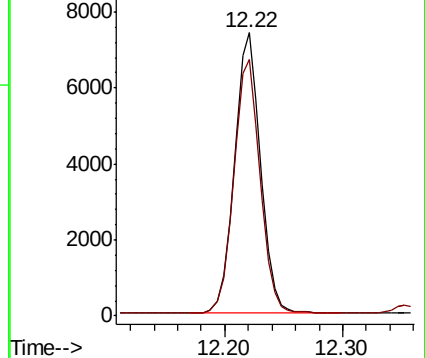
142 100

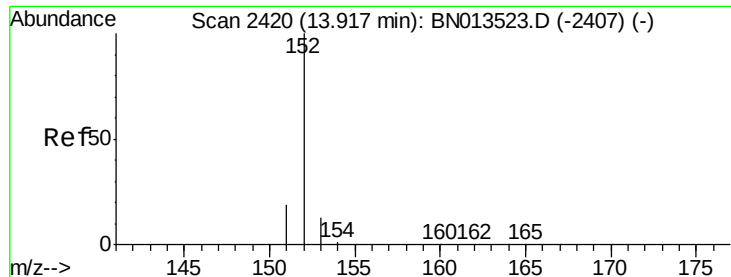
141 91.6 73.3 109.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.329 ng/ul

RT: 13.91 min Scan# 2419

Delta R.T. -0.00 min

Lab File: BN013529.D

Acq: 28 Jan 2021 16:20

Instrument :

BNA_N

ClientSampleId :

SLCS340

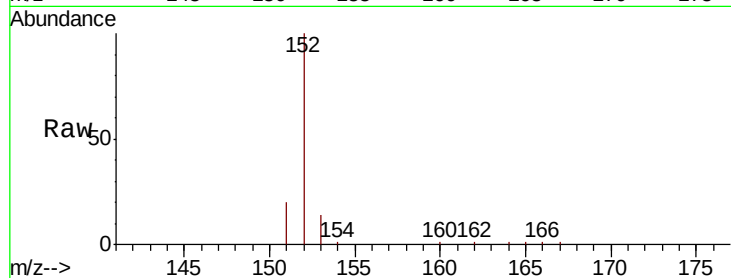
Tot Ion:152 Resp: 13665

Ion Ratio Lower Upper

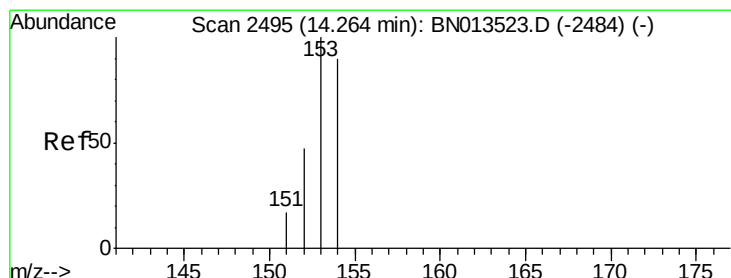
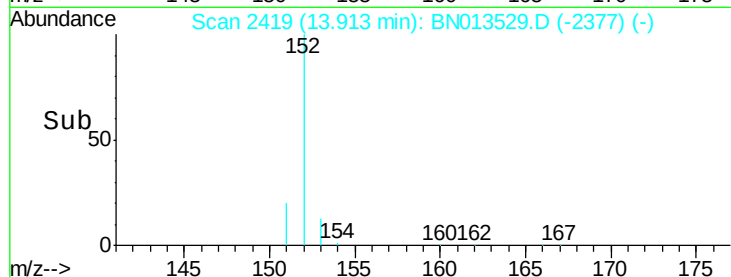
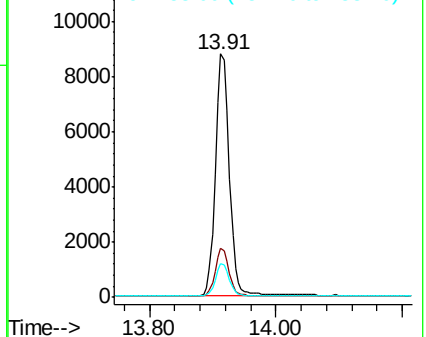
152 100

151 20.2 15.8 23.6

153 13.6 10.7 16.1



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: 0.344 ng/ul

RT: 14.26 min Scan# 2494

Delta R.T. -0.00 min

Lab File: BN013529.D

Acq: 28 Jan 2021 16:20

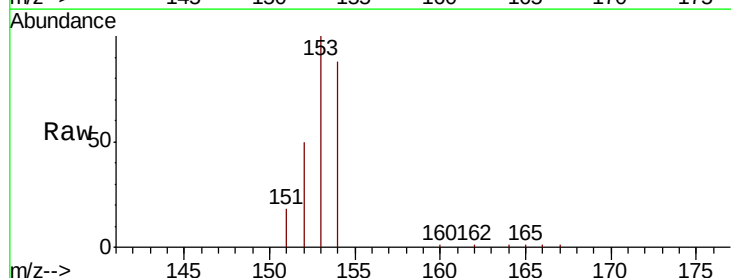
Tgt Ion:153 Resp: 12264

Ion Ratio Lower Upper

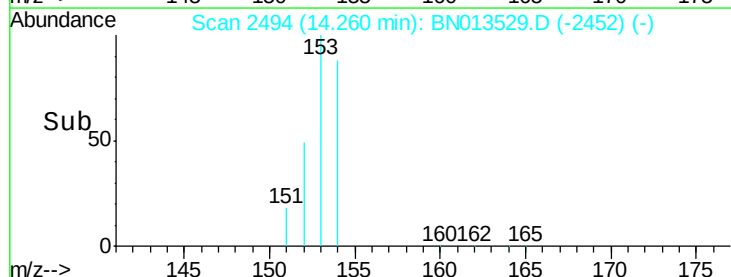
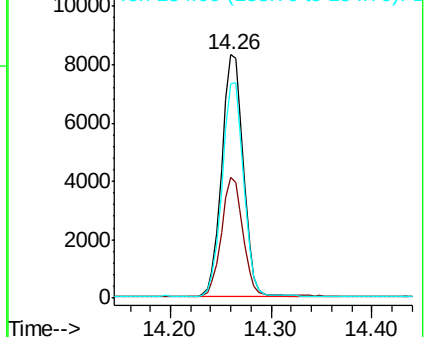
153 100

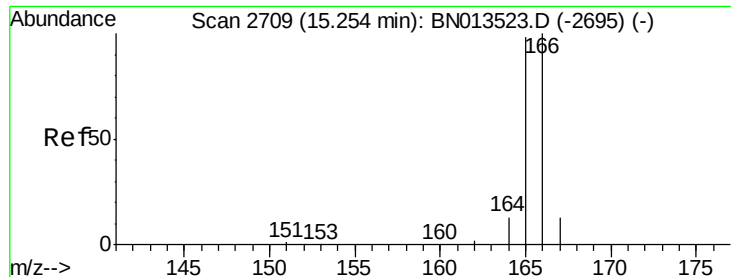
152 49.6 38.9 58.3

154 88.1 71.0 106.6



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: 0.349 ng/ul

RT: 15.25 min Scan# 2709

Delta R.T. 0.00 min

Lab File: BN013529.D

Acq: 28 Jan 2021 16:20

Instrument :

BNA_N

ClientSampleId :

SLCS340

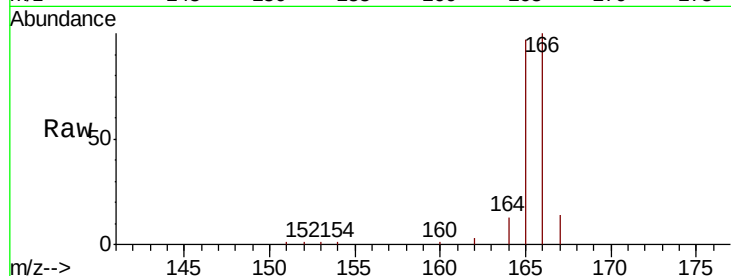
Tot Ion:166 Resp: 13820

Ion Ratio Lower Upper

166 100

165 97.3 76.1 114.1

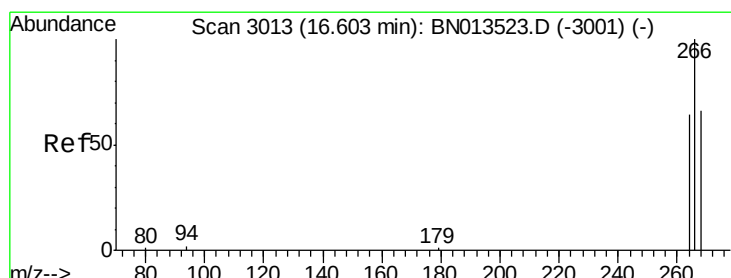
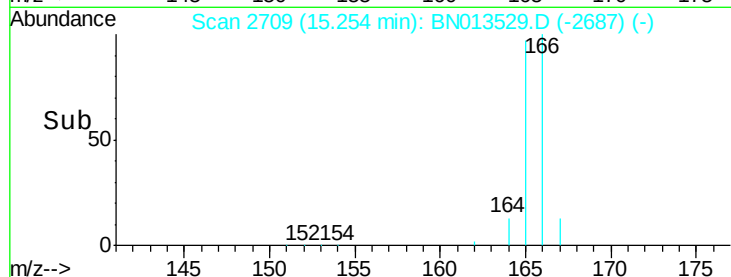
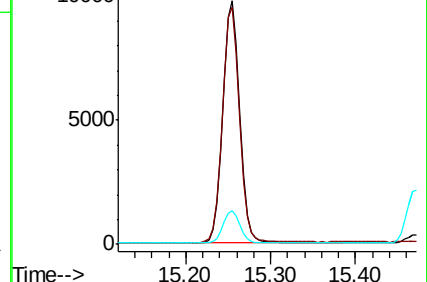
167 13.9 11.0 16.6



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: 0.627 ng/ul

RT: 16.60 min Scan# 3013

Delta R.T. 0.00 min

Lab File: BN013529.D

Acq: 28 Jan 2021 16:20

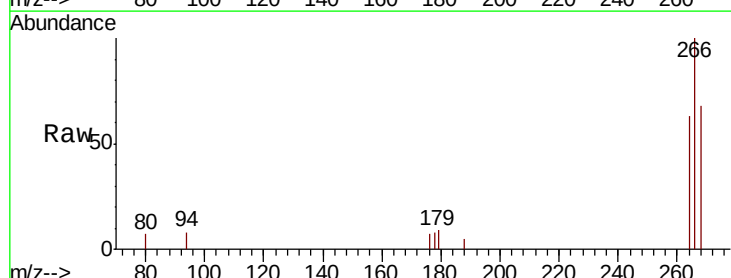
Tgt Ion:266 Resp: 1600

Ion Ratio Lower Upper

266 100

264 62.3 50.0 75.0

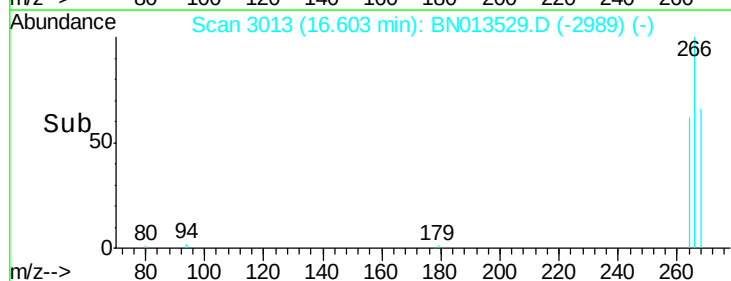
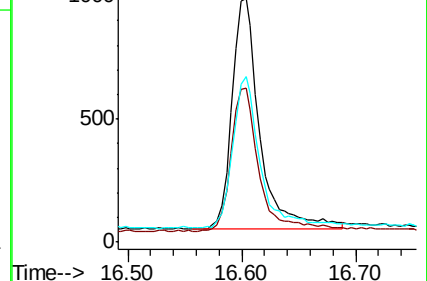
268 65.4 52.6 79.0

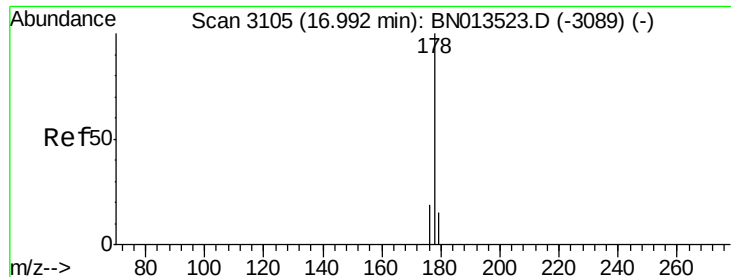


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.343 ng/ul

RT: 16.99 min Scan# 3104

Delta R.T. -0.00 min

Lab File: BN013529.D

Acq: 28 Jan 2021 16:20

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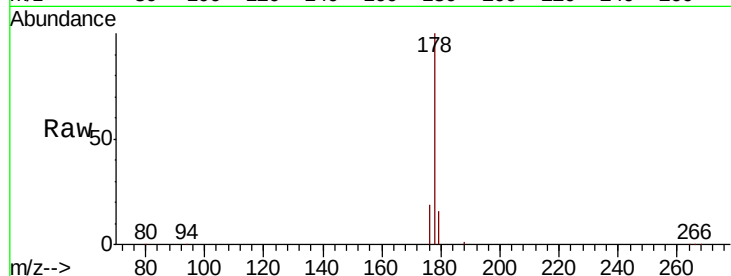
Tot Ion:178 Resp: 23288

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

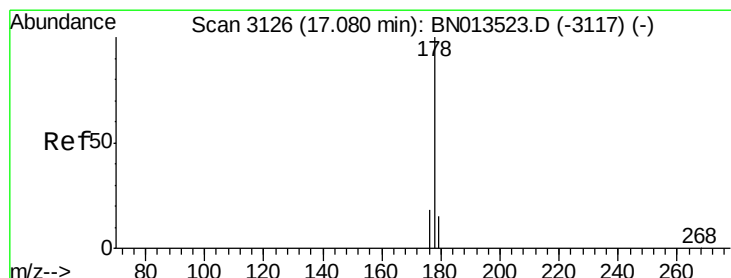
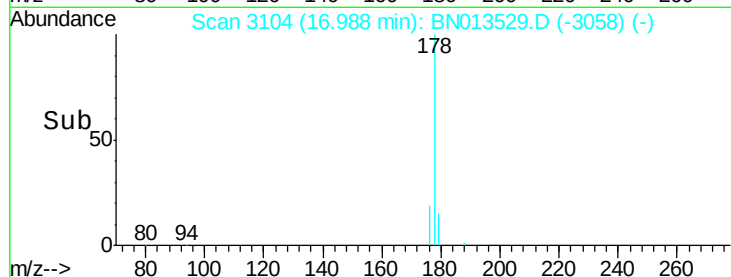
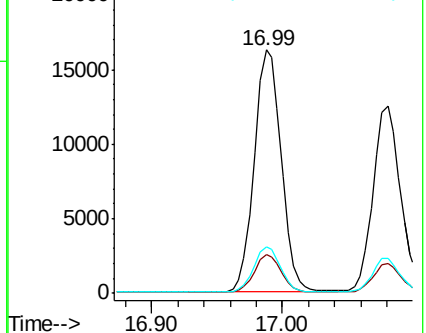
176 19.1 15.4 23.0



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: 0.338 ng/ul

RT: 17.08 min Scan# 3126

Delta R.T. 0.00 min

Lab File: BN013529.D

Acq: 28 Jan 2021 16:20

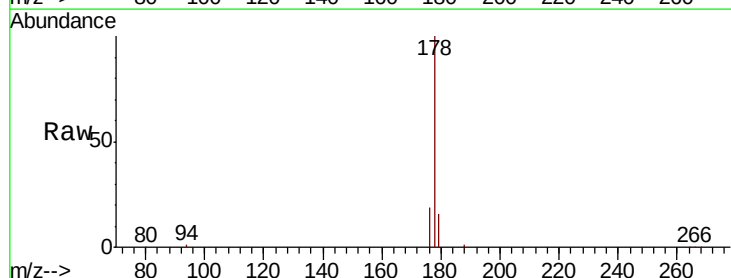
Tgt Ion:178 Resp: 18679

Ion Ratio Lower Upper

178 100

179 15.8 12.6 18.8

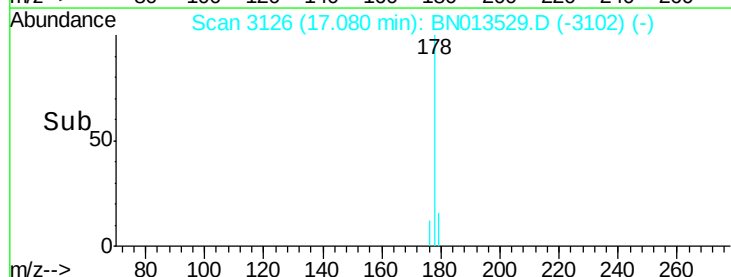
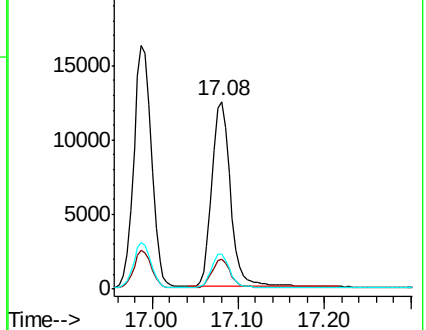
176 18.5 14.4 21.6

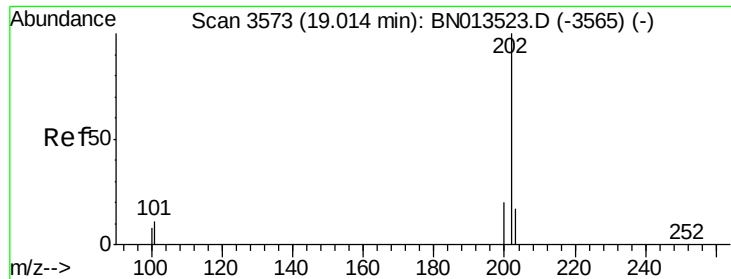


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 0.361 ng/ul

RT: 19.01 min Scan# 3573

Delta R.T. 0.00 min

Lab File: BN013529.D

Acq: 28 Jan 2021 16:20

Instrument :

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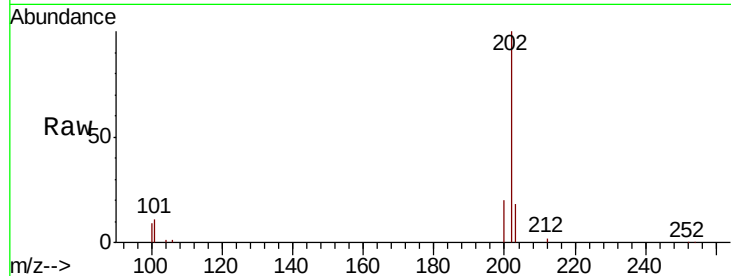
Tot Ion:202 Resp: 24476

Ion Ratio Lower Upper

202 100

101 11.4 8.9 13.3

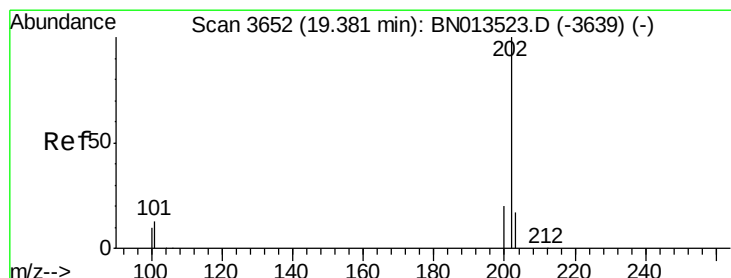
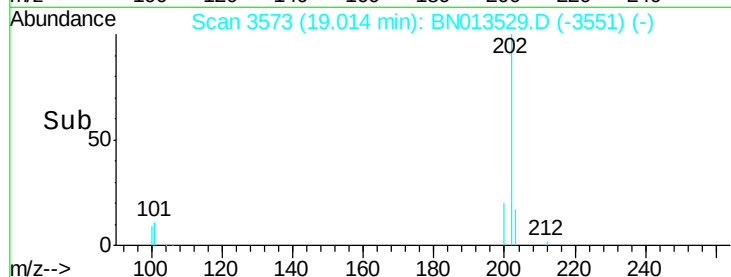
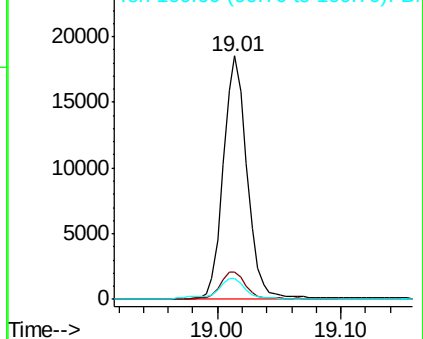
100 8.8 6.6 10.0



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: 0.361 ng/ul

RT: 19.38 min Scan# 3651

Delta R.T. -0.00 min

Lab File: BN013529.D

Acq: 28 Jan 2021 16:20

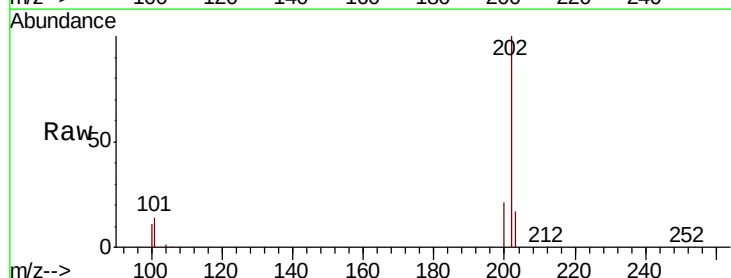
Tgt Ion:202 Resp: 24564

Ion Ratio Lower Upper

202 100

101 14.1 10.3 15.5

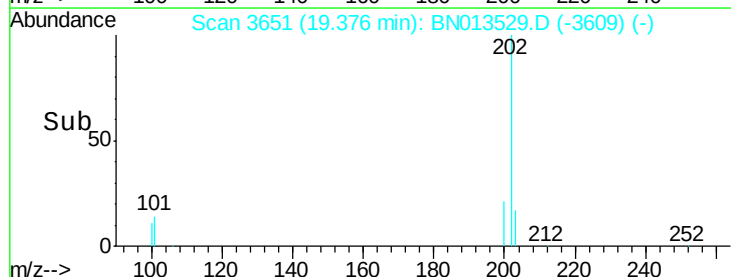
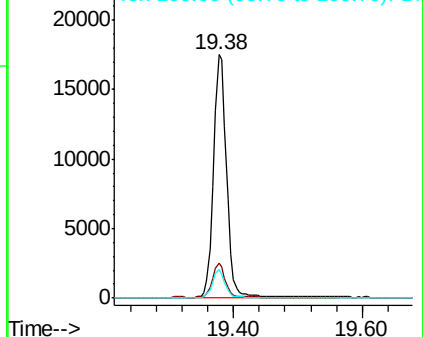
100 11.5 8.6 13.0

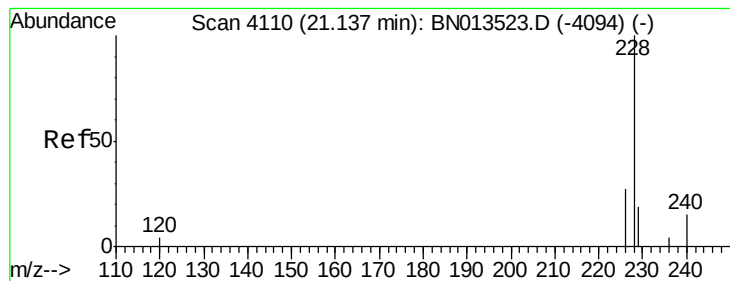


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.356 ng/ul

RT: 21.14 min Scan# 4110

Delta R.T. 0.00 min

Lab File: BN013529.D

Acq: 28 Jan 2021 16:20

Instrument :

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ClientSampleId :

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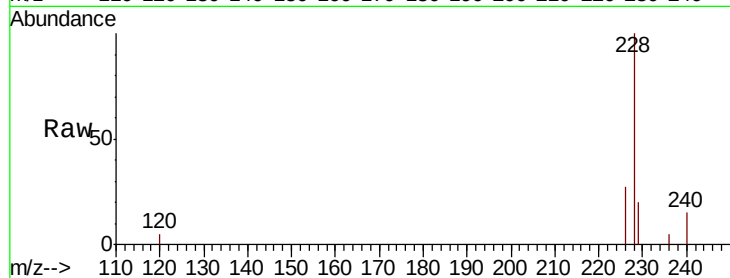
Tot Ion:228 Resp: 19215

Ion Ratio Lower Upper

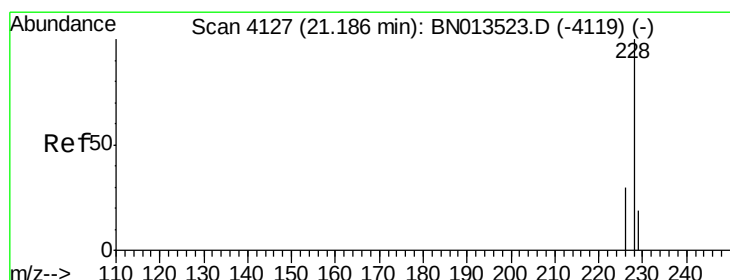
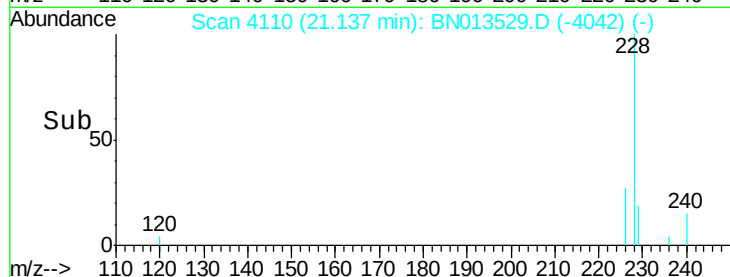
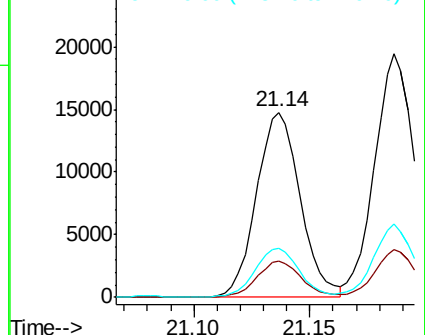
228 100

229 19.7 15.5 23.3

226 26.8 21.6 32.4



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: 0.357 ng/ul

RT: 21.19 min Scan# 4127

Delta R.T. 0.00 min

Lab File: BN013529.D

Acq: 28 Jan 2021 16:20

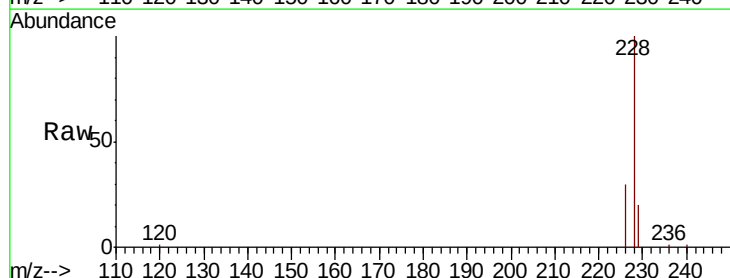
Tgt Ion:228 Resp: 23894

Ion Ratio Lower Upper

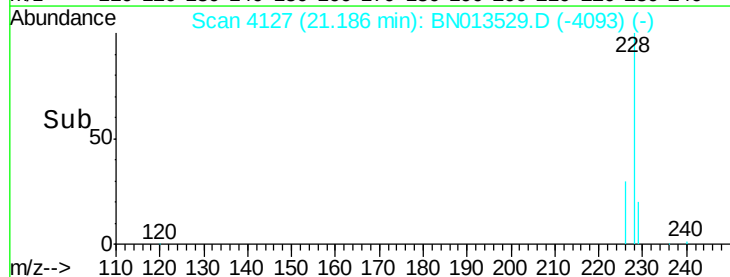
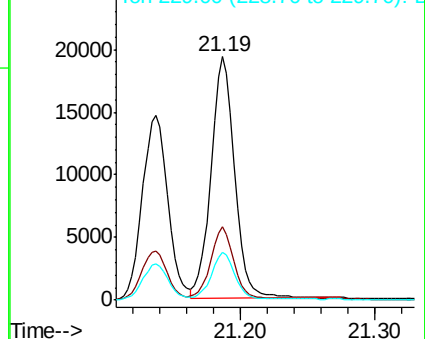
228 100

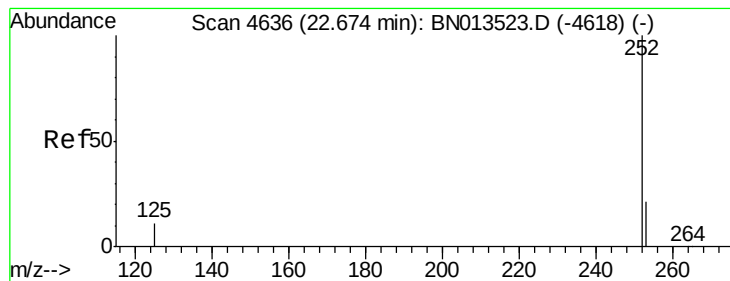
226 30.0 23.8 35.6

229 19.9 15.8 23.8



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: 0.329 ng/ul

RT: 22.67 min Scan# 4636

Delta R.T. 0.00 min

Lab File: BN013529.D

Acq: 28 Jan 2021 16:20

Instrument :

BNA_N

ClientSampleId :

SLCS340

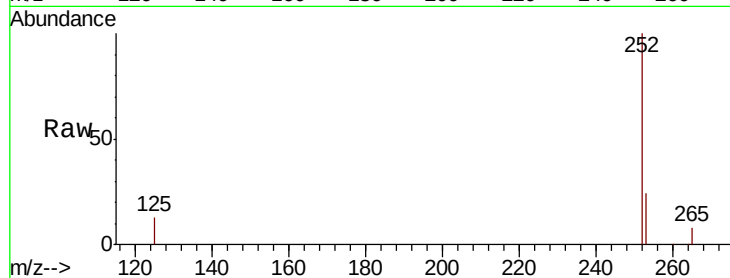
Tot Ion:252 Resp: 22188

Ion Ratio Lower Upper

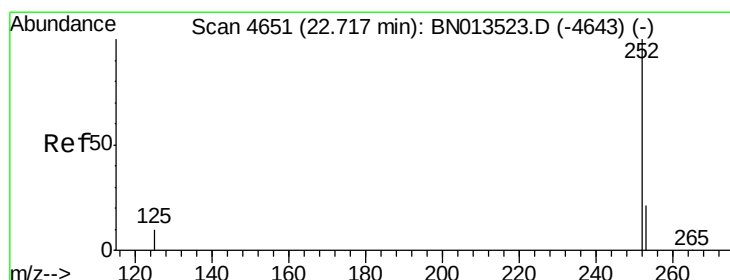
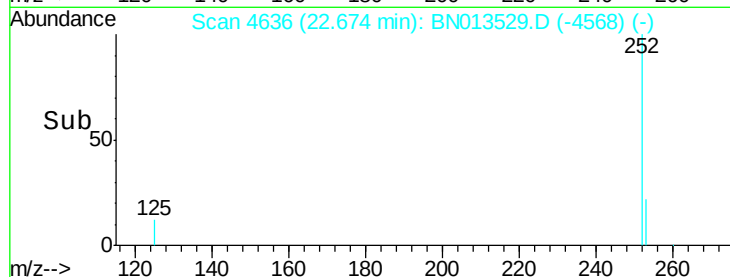
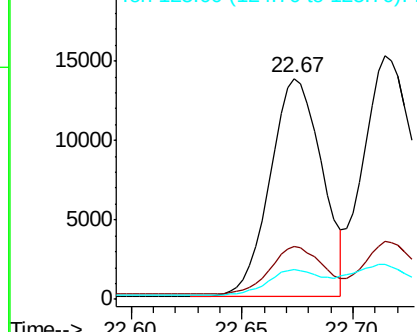
252 100

253 24.1 0.0 46.6

125 13.5 0.0 27.2



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: 0.366 ng/ul

RT: 22.71 min Scan# 4650

Delta R.T. -0.00 min

Lab File: BN013529.D

Acq: 28 Jan 2021 16:20

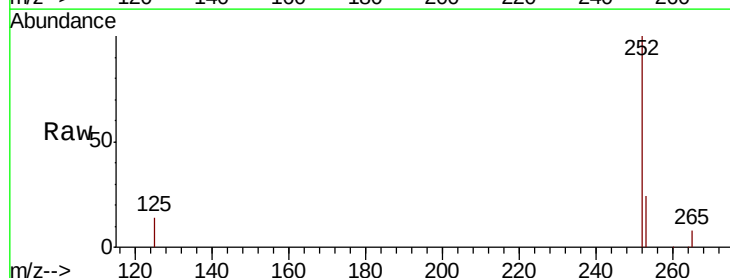
Tgt Ion:252 Resp: 25656

Ion Ratio Lower Upper

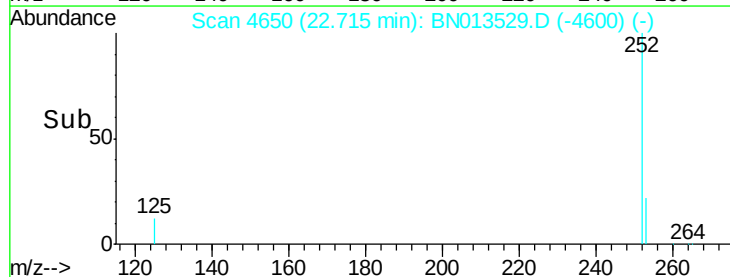
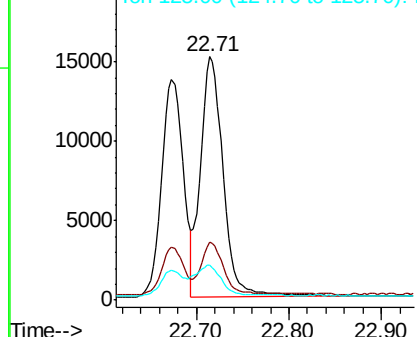
252 100

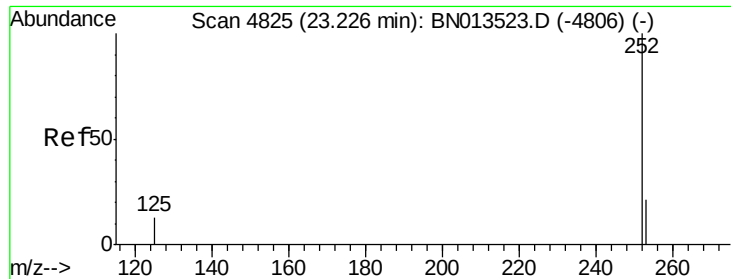
253 23.9 19.0 28.4

125 14.3 11.3 16.9



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: 0.369 ng/ul

RT: 23.23 min Scan# 4825

Delta R.T. 0.00 min

Lab File: BN013529.D

Acq: 28 Jan 2021 16:20

Instrument :

BNA_N

ClientSampleId :

SLCS340

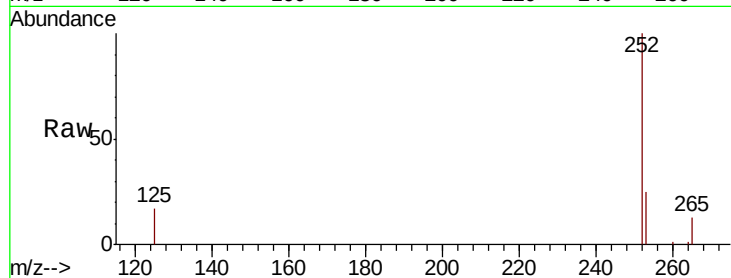
Tot Ion:252 Resp: 19551

Ion Ratio Lower Upper

252 100

253 24.5 19.8 29.8

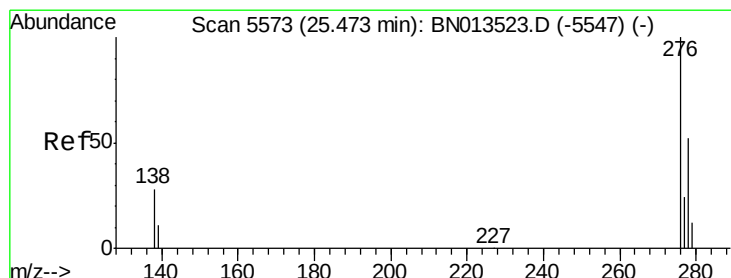
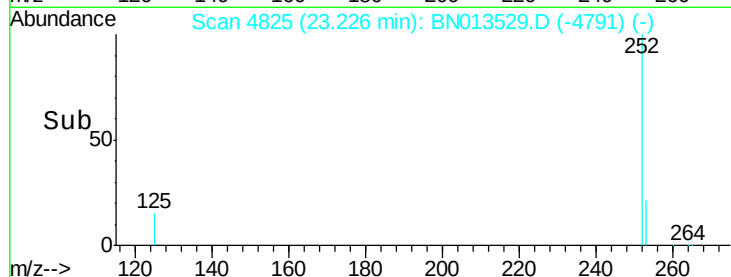
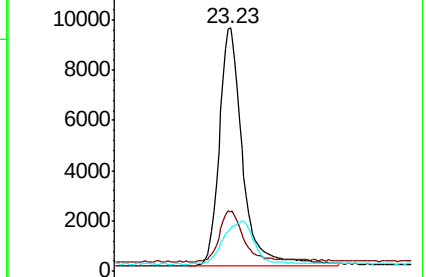
125 17.4 13.1 19.7



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: 0.347 ng/ul

RT: 25.47 min Scan# 5573

Delta R.T. 0.00 min

Lab File: BN013529.D

Acq: 28 Jan 2021 16:20

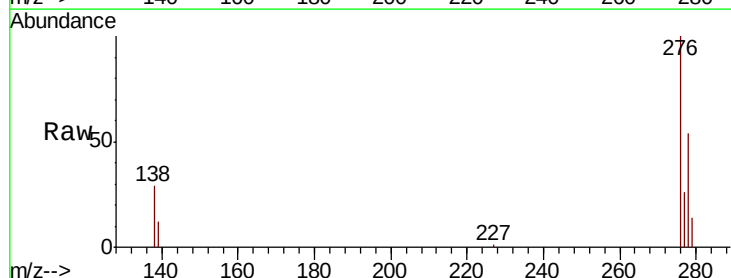
Tgt Ion:276 Resp: 25776

Ion Ratio Lower Upper

276 100

138 30.8 17.2 25.8#

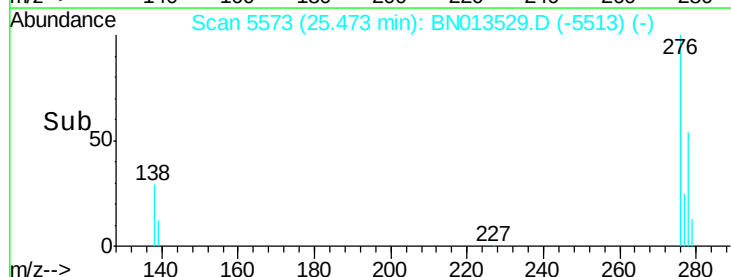
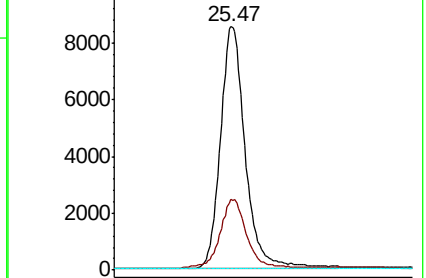
227 0.2 0.0 0.0#

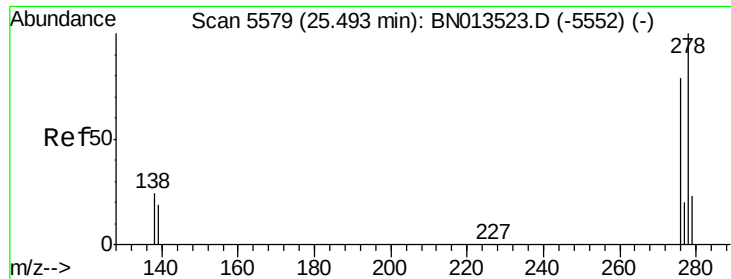


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.340 ng/ul

RT: 25.49 min Scan# 5578

Delta R.T. -0.00 min

Lab File: BN013529.D

Acq: 28 Jan 2021 16:20

Instrument :

BNA_N

ClientSampleId :

SLCS340

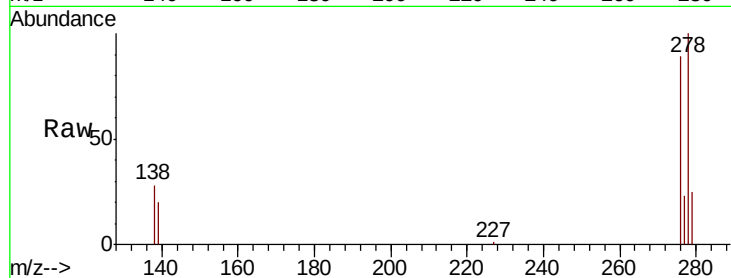
Tot Ion:278 Resp: 20560

Ion Ratio Lower Upper

278 100

139 19.8 16.2 24.2

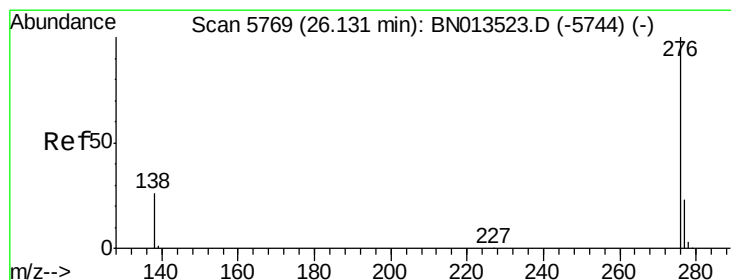
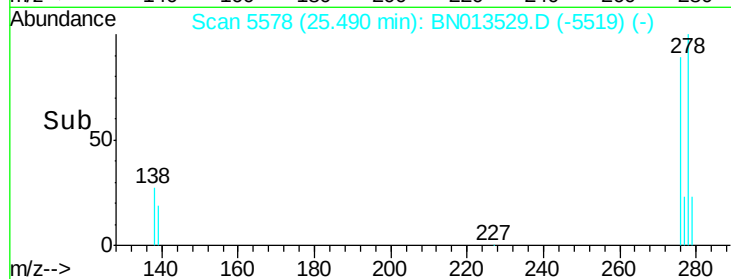
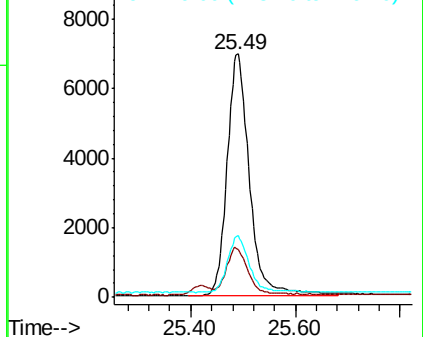
279 25.2 20.3 30.5



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: 0.334 ng/ul

RT: 26.13 min Scan# 5769

Delta R.T. 0.00 min

Lab File: BN013529.D

Acq: 28 Jan 2021 16:20

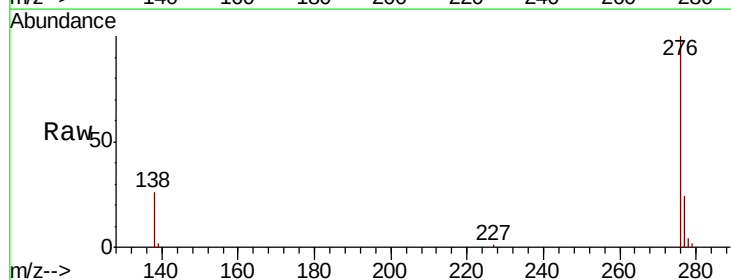
Tgt Ion:276 Resp: 21955

Ion Ratio Lower Upper

276 100

138 26.3 20.2 30.2

277 24.3 19.7 29.5



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

