

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012821\
 Data File : BN013525.D
 Acq On : 28 Jan 2021 13:22
 Operator : CG/JU
 Sample : PB134338BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS338

Quant Time: Jan 28 14:01:40 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

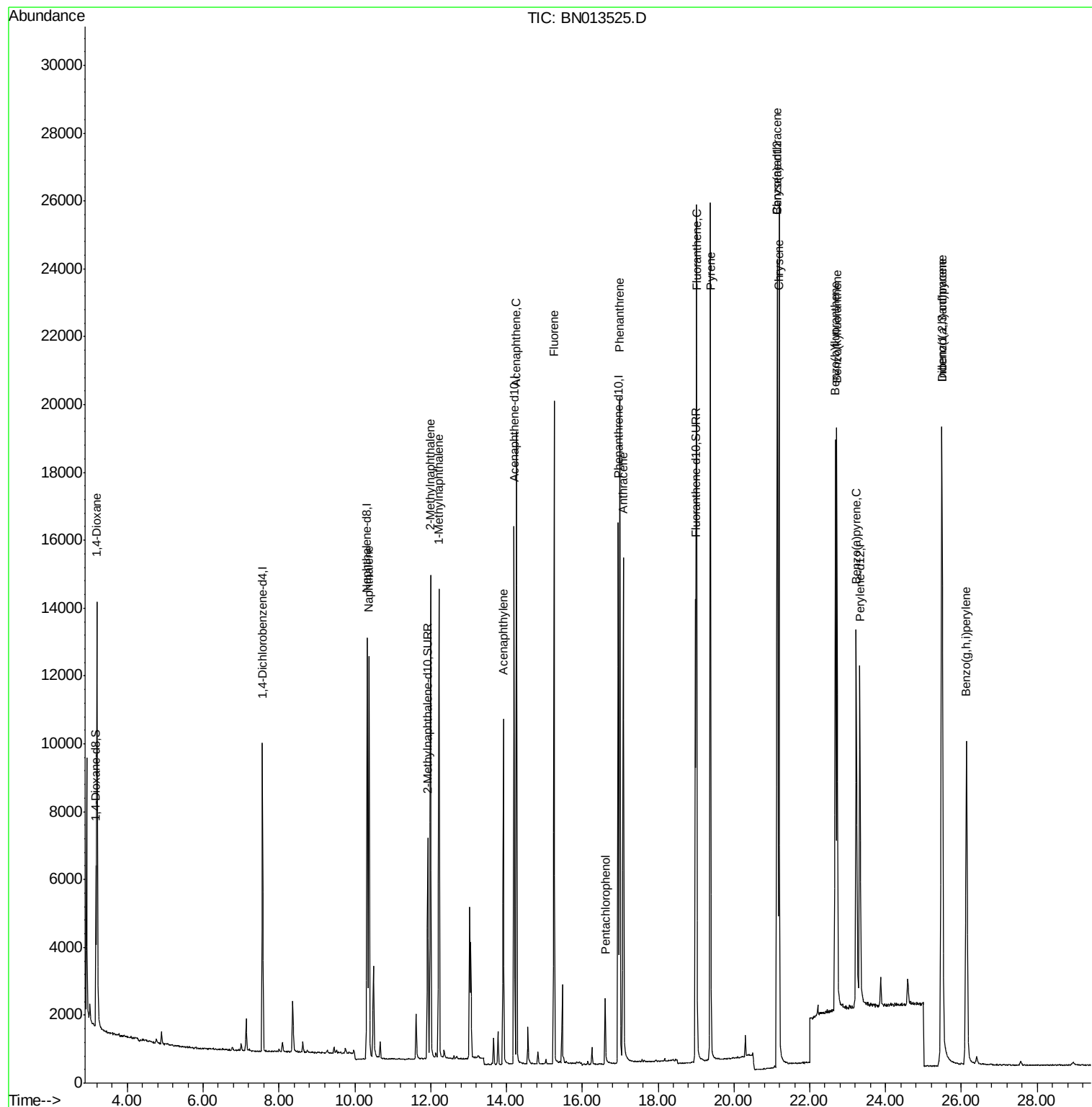
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	4459	0.40	ng/ul	0.00
4) Naphthalene-d8	10.33	136	16685	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.20	164	8636	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.95	188	18676	0.40	ng/ul	0.00
17) Chrysene-d12	21.15	240	15320	0.40	ng/ul	0.00
23) Perylene-d12	23.32	264	13491	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.17	96	3070	0.68	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.92	152	8368	0.34	ng/ul	0.00
18) Fluoranthene-d10	18.99	212	15926	0.35	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.20	88	7686	1.691	ng/ul#	86
5) Naphthalene	10.37	128	16326	0.348	ng/ul	99
7) 2-Methylnaphthalene	12.00	142	10533	0.334	ng/ul	100
8) 1-Methylnaphthalene	12.22	142	10010	0.331	ng/ul	99
10) Acenaphthylene	13.92	152	11940	0.329	ng/ul	100
11) Acenaphthene	14.26	153	10687	0.343	ng/ul	99
12) Fluorene	15.25	166	12096	0.350	ng/ul	97
14) Pentachlorophenol	16.60	266	1413	0.626	ng/ul	99
15) Phenanthrene	16.99	178	20581	0.343	ng/ul	100
16) Anthracene	17.08	178	16425	0.337	ng/ul	99
19) Fluoranthene	19.01	202	21735	0.358	ng/ul	97
20) Pyrene	19.38	202	21776	0.358	ng/ul	98
21) Benzo(a)anthracene	21.14	228	17115	0.355	ng/ul	99
22) Chrysene	21.19	228	21488	0.359	ng/ul	99
24) Benzo(b)fluoranthene	22.67	252	19674	0.334	ng/ul	98
25) Benzo(k)fluoranthene	22.72	252	22344	0.364	ng/ul	99
26) Benzo(a)pyrene	23.23	252	17151	0.370	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.48	276	22568	0.347	ng/ul#	81
28) Dibenzo(a,h)anthracene	25.49	278	17911	0.338	ng/ul	99
29) Benzo(a,h,i)perylene	26.13	276	19621	0.341	ng/ul	98

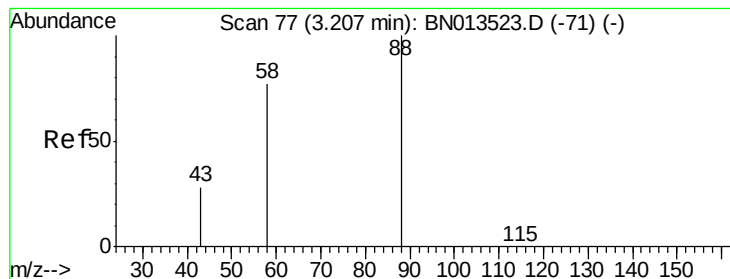
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.691 ng/ul

RT: 3.20 min Scan# 76

Delta R.T. -0.00 min

Lab File: BN013525.D

Acq: 28 Jan 2021 13:22

Instrument :

BNA_N

ClientSampleId :

SLCS338

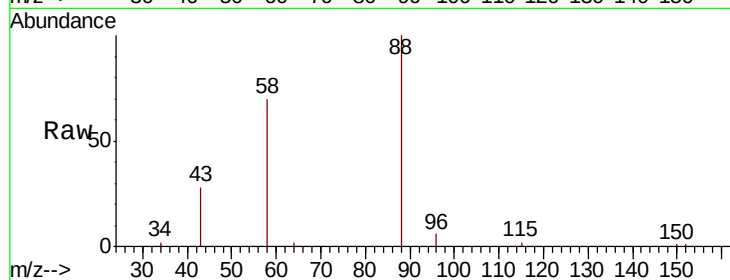
Tot Ion: 88 Resp: 7686

Ion Ratio Lower Upper

88 100

43 28.5 26.9 40.3

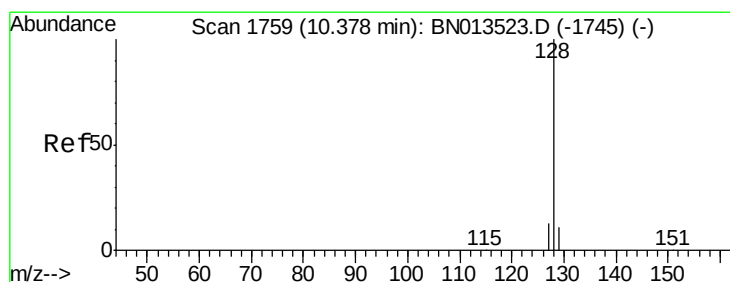
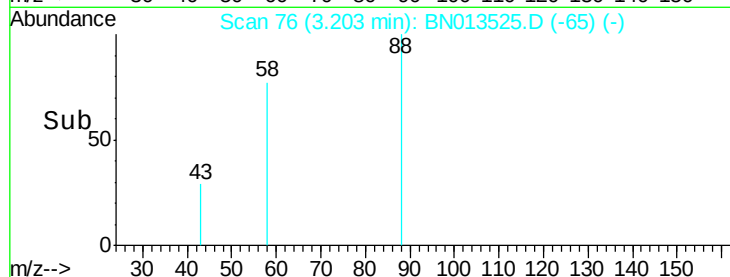
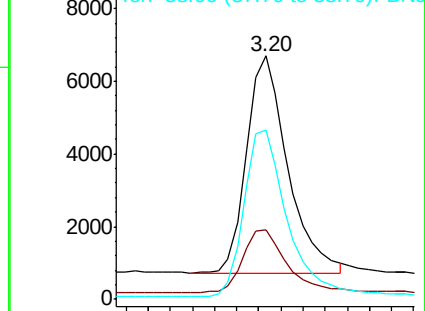
58 69.6 45.8 68.6#



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: 0.348 ng/ul

RT: 10.37 min Scan# 1758

Delta R.T. -0.01 min

Lab File: BN013525.D

Acq: 28 Jan 2021 13:22

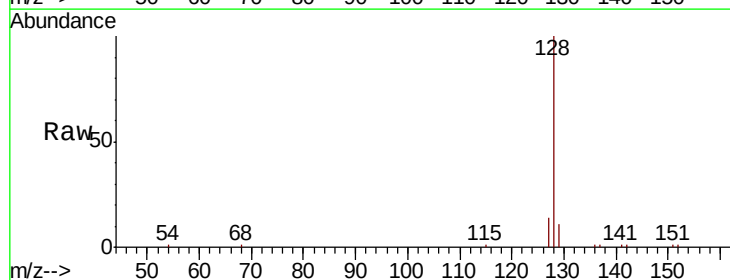
Tgt Ion: 128 Resp: 16326

Ion Ratio Lower Upper

128 100

129 11.2 9.2 13.8

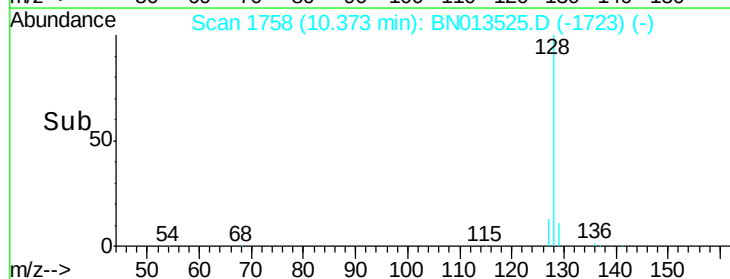
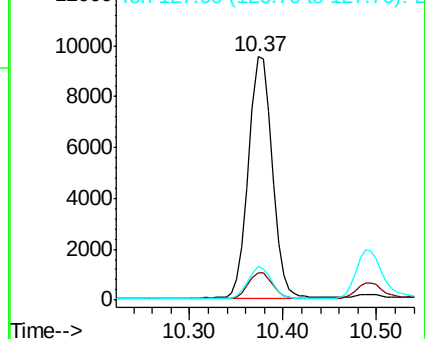
127 13.7 10.7 16.1

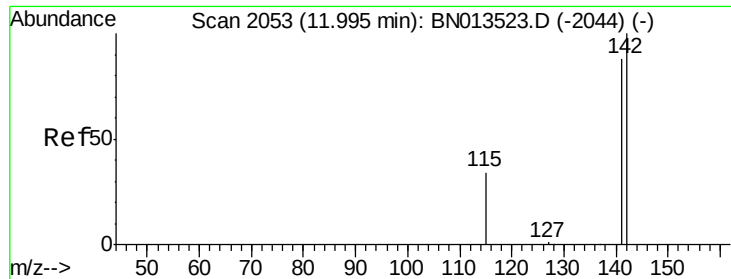


Abundance Ion 128.00 (127.70 to 128.70): BN013523.D (-1745) (-)

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: 0.334 ng/ul

RT: 12.00 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BN013525.D

Acq: 28 Jan 2021 13:22

Instrument :

BNA_N

ClientSampleId :

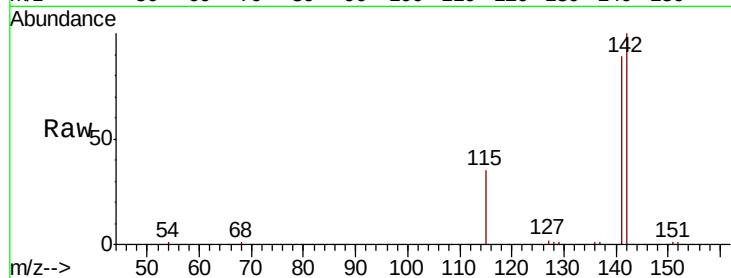
SLCS338

Tot Ion:142 Resp: 10533

Ion Ratio Lower Upper

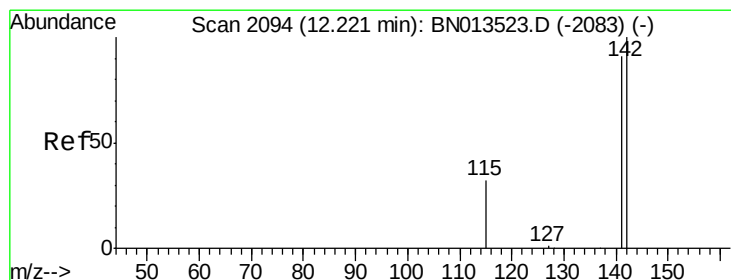
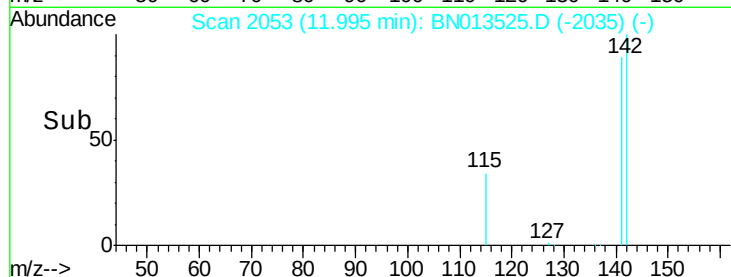
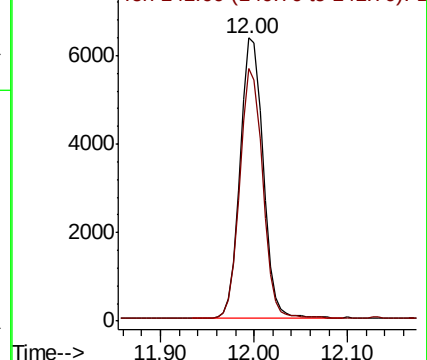
142 100

141 89.0 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: 0.331 ng/ul

RT: 12.22 min Scan# 2094

Delta R.T. -0.00 min

Lab File: BN013525.D

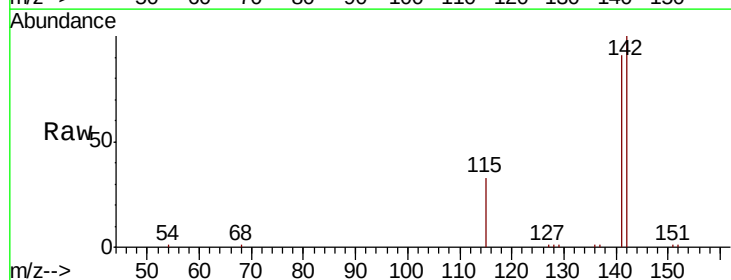
Acq: 28 Jan 2021 13:22

Tgt Ion:142 Resp: 10010

Ion Ratio Lower Upper

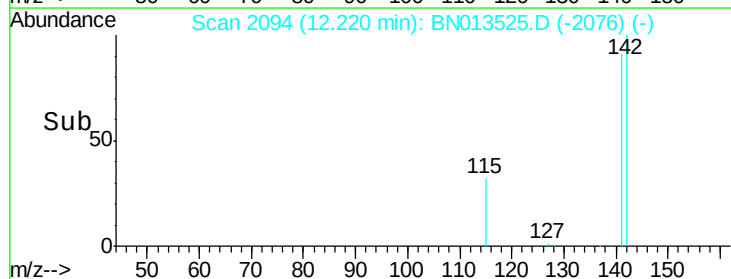
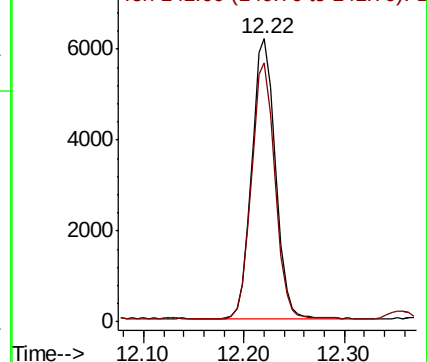
142 100

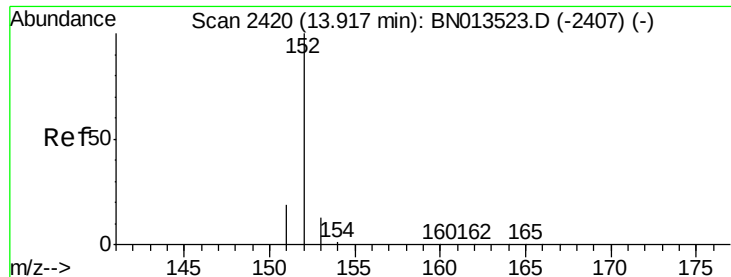
141 91.0 73.3 109.9



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: 13.92 min Scan# 2420

Delta R.T. -0.00 min

Lab File: BN013525.D

Acq: 28 Jan 2021 13:22

Instrument :

BNA_N

ClientSampleId :

SLCS338

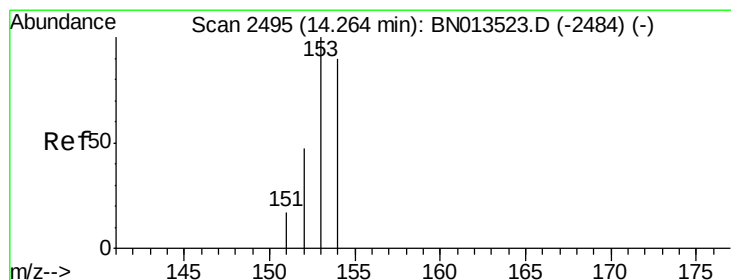
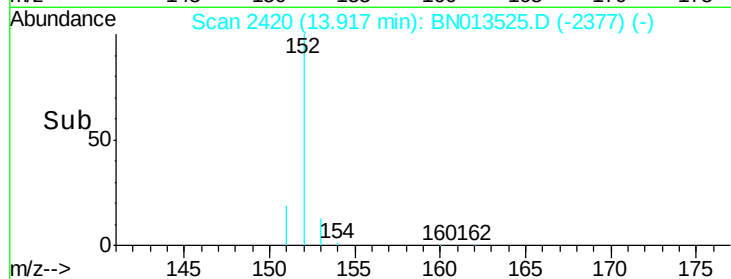
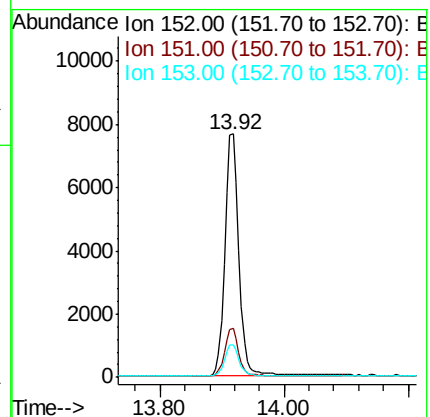
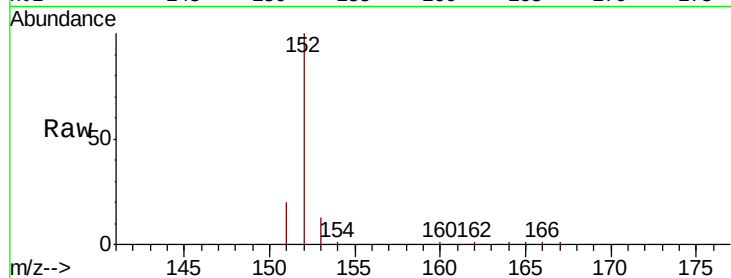
Tot Ion:152 Resp: 11940

Ion Ratio Lower Upper

152 100

151 20.0 15.8 23.6

153 13.4 10.7 16.1



#11

Acenaphthene

Concen: 0.343 ng/ul

RT: 14.26 min Scan# 2494

Delta R.T. -0.00 min

Lab File: BN013525.D

Acq: 28 Jan 2021 13:22

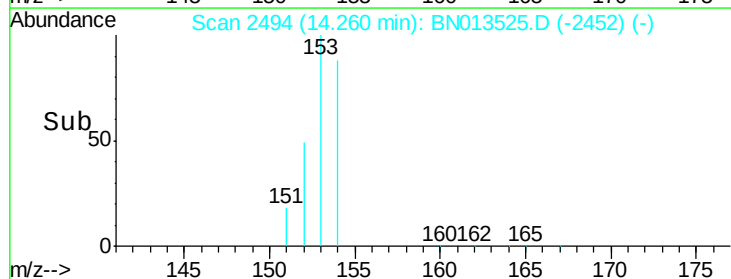
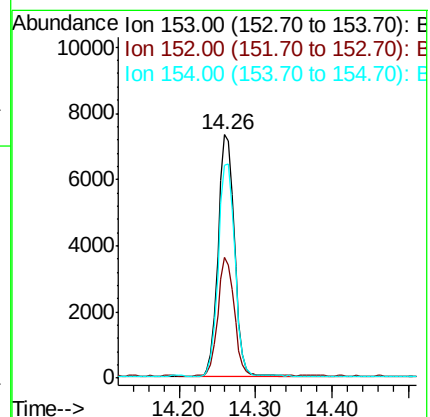
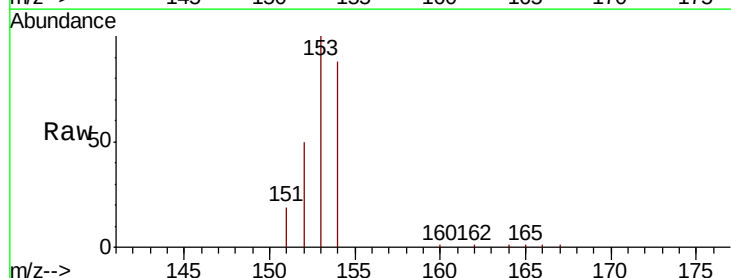
Tgt Ion:153 Resp: 10687

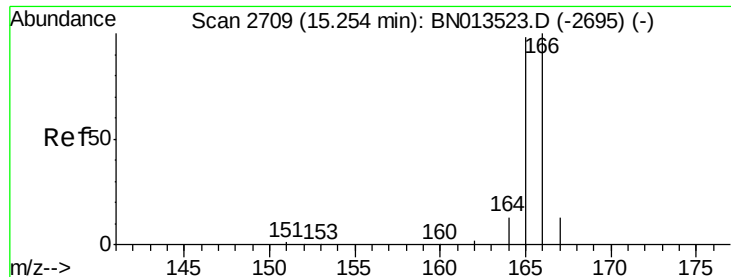
Ion Ratio Lower Upper

153 100

152 49.6 38.9 58.3

154 87.6 71.0 106.6





#12

Fluorene

Concen: 0.350 ng/ul

RT: 15.25 min Scan# 2709

Delta R.T. -0.00 min

Lab File: BN013525.D

Acq: 28 Jan 2021 13:22

Instrument :

BNA_N

ClientSampleId :

SLCS338

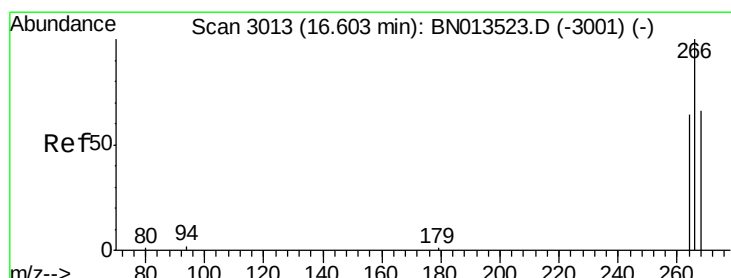
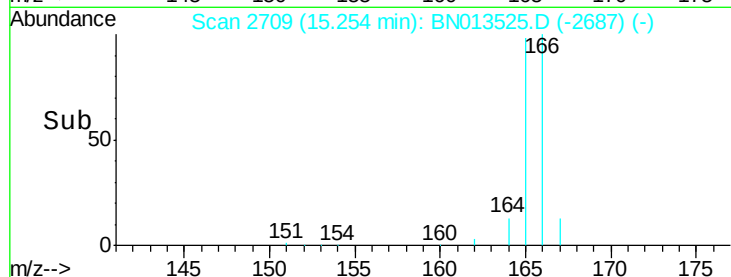
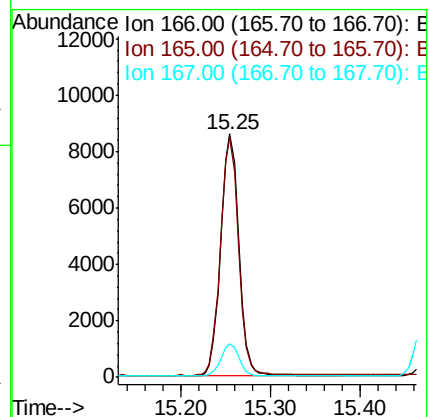
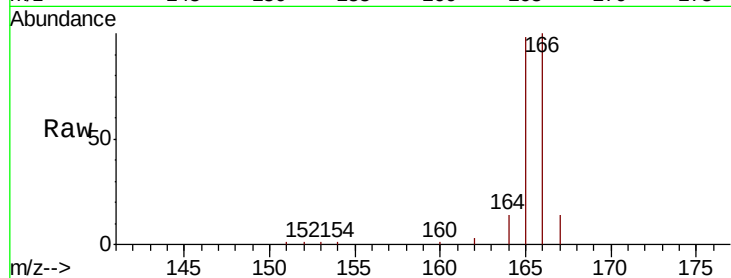
Tot Ion:166 Resp: 12096

Ion Ratio Lower Upper

166 100

165 98.3 76.1 114.1

167 14.0 11.0 16.6



#14

Pentachlorophenol

Concen: 0.626 ng/ul

RT: 16.60 min Scan# 3013

Delta R.T. -0.00 min

Lab File: BN013525.D

Acq: 28 Jan 2021 13:22

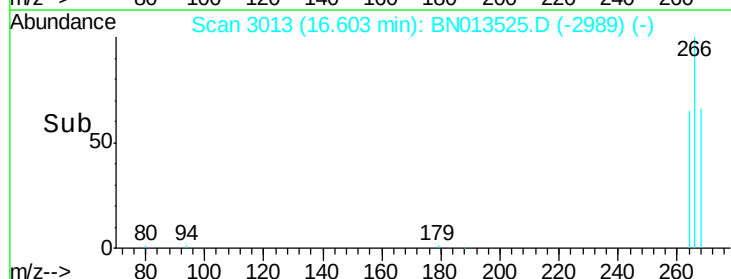
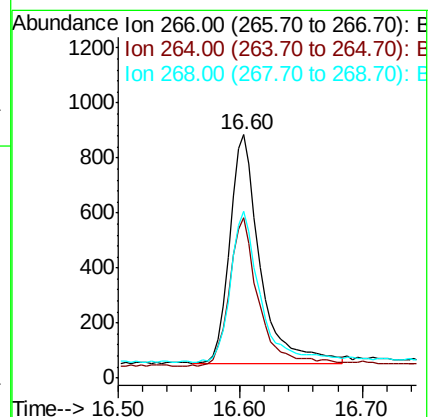
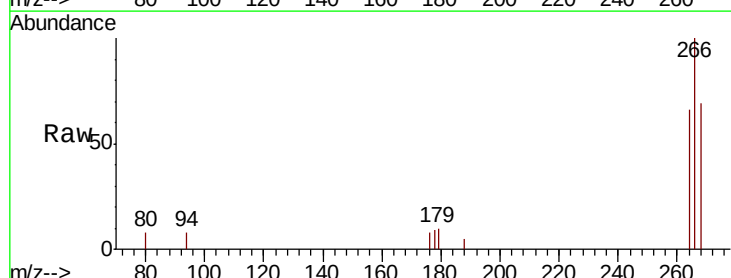
Tgt Ion:266 Resp: 1413

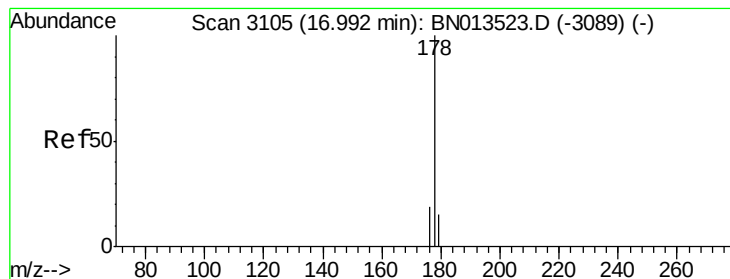
Ion Ratio Lower Upper

266 100

264 63.4 50.0 75.0

268 65.6 52.6 79.0





#15

Phenanthrene

Concen: 0.343 ng/ul

RT: 16.99 min Scan# 3104

Delta R.T. -0.00 min

Lab File: BN013525.D

Acq: 28 Jan 2021 13:22

Instrument :

BNA_N

ClientSampleId :

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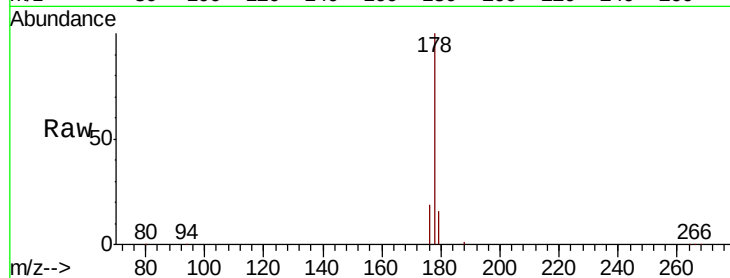
Tot Ion:178 Resp: 20581

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

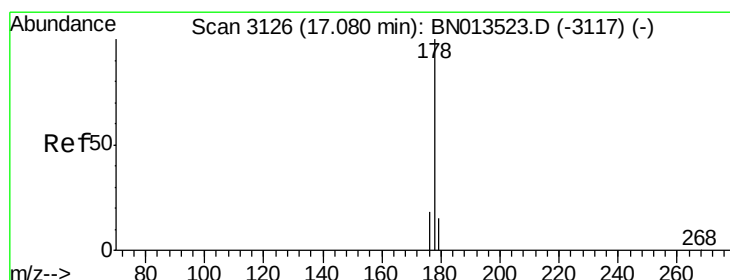
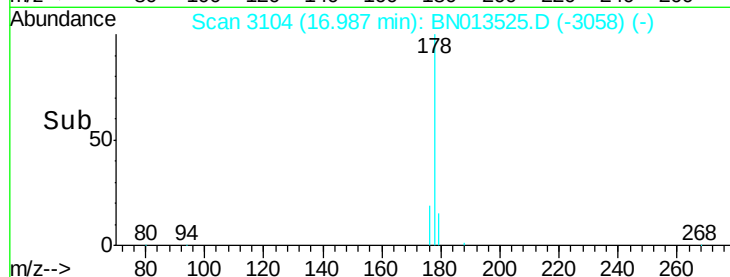
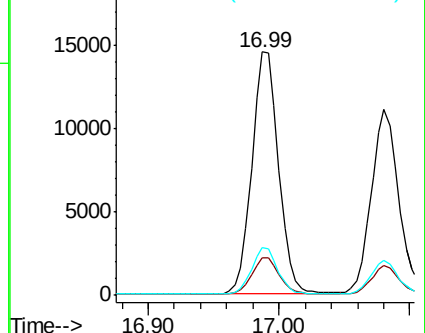
176 19.4 15.4 23.0



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: 0.337 ng/ul

RT: 17.08 min Scan# 3126

Delta R.T. -0.00 min

Lab File: BN013525.D

Acq: 28 Jan 2021 13:22

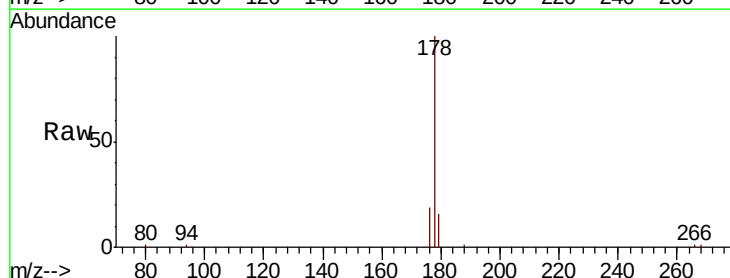
Tgt Ion:178 Resp: 16425

Ion Ratio Lower Upper

178 100

179 15.9 12.6 18.8

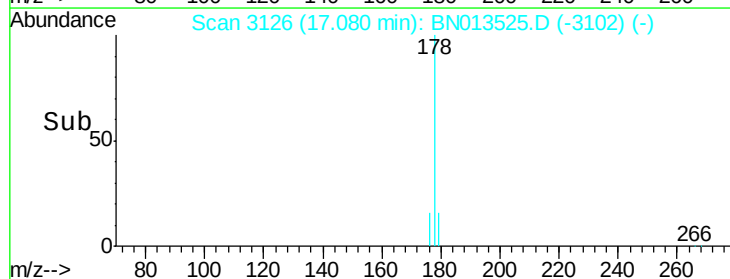
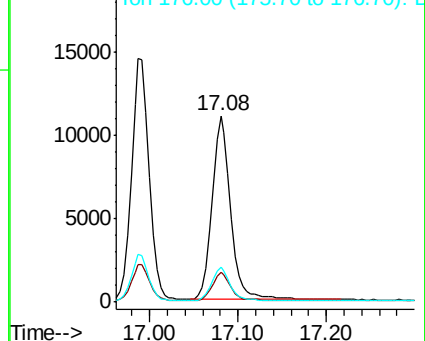
176 18.9 14.4 21.6

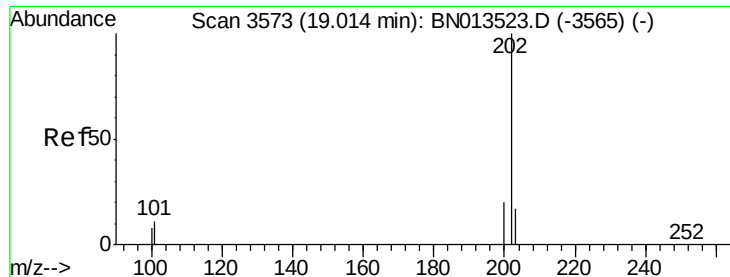


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 0.358 ng/ul

RT: 19.01 min Scan# 3573

Delta R.T. -0.00 min

Lab File: BN013525.D

Acq: 28 Jan 2021 13:22

Instrument :

BNA_N

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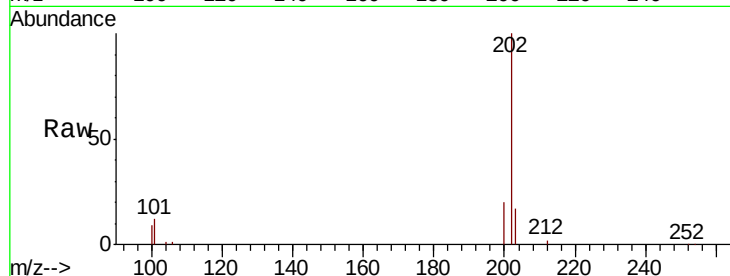
Tot Ion:202 Resp: 21735

Ion Ratio Lower Upper

202 100

101 12.3 8.9 13.3

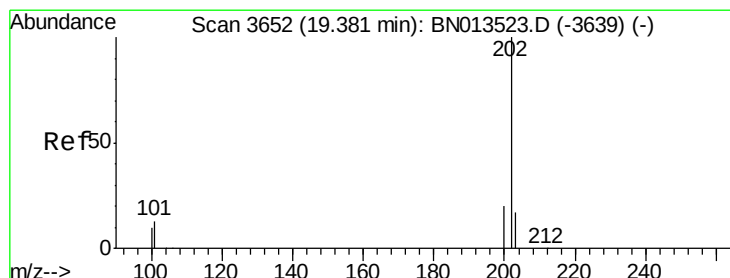
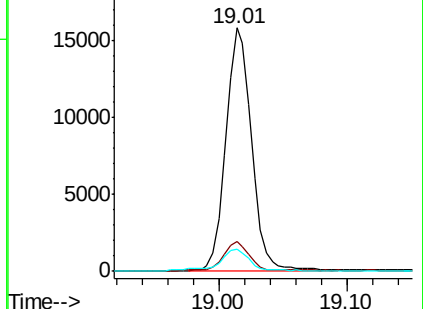
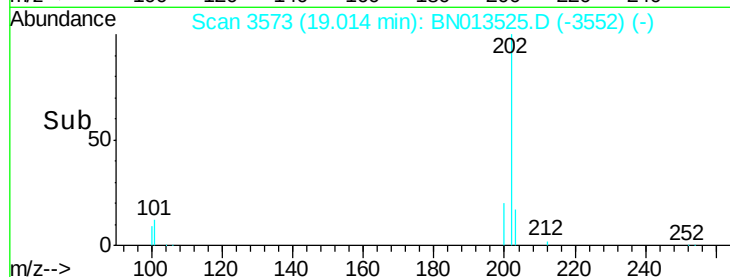
100 9.1 6.6 10.0



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: 0.358 ng/ul

RT: 19.38 min Scan# 3651

Delta R.T. -0.00 min

Lab File: BN013525.D

Acq: 28 Jan 2021 13:22

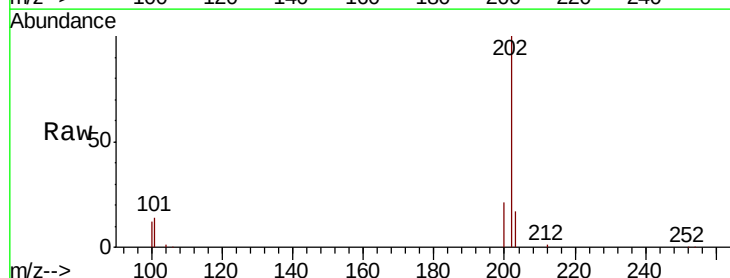
Tgt Ion:202 Resp: 21776

Ion Ratio Lower Upper

202 100

101 13.9 10.3 15.5

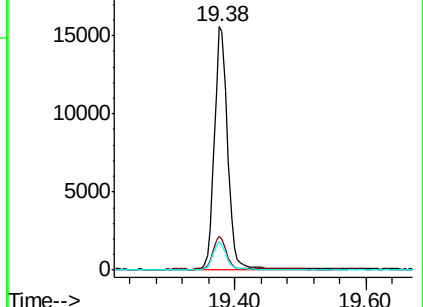
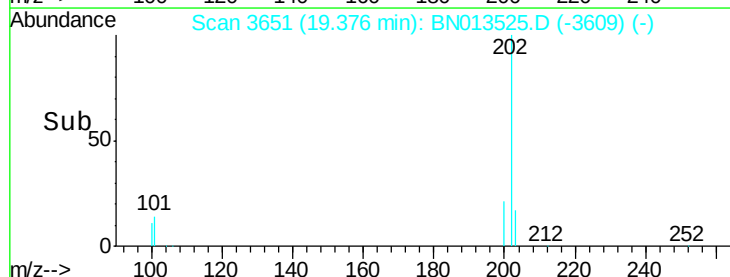
100 11.7 8.6 13.0

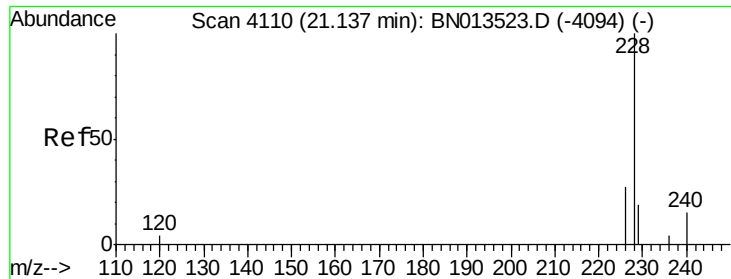


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.355 ng/ul

RT: 21.14 min Scan# 4110

Delta R.T. -0.00 min

Lab File: BN013525.D

Acq: 28 Jan 2021 13:22

Instrument :

BNA_N

ClientSampleId :

SLCS338

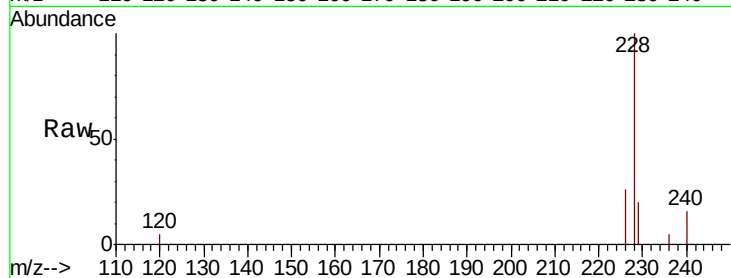
Tot Ion:228 Resp: 17115

Ion Ratio Lower Upper

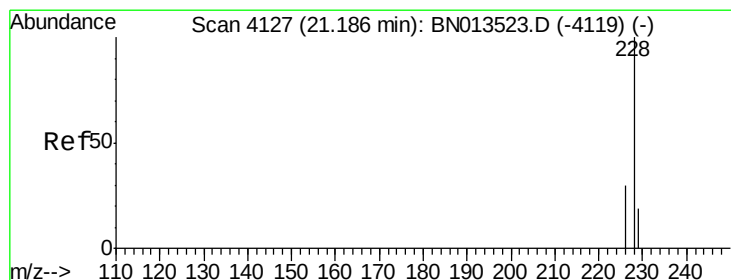
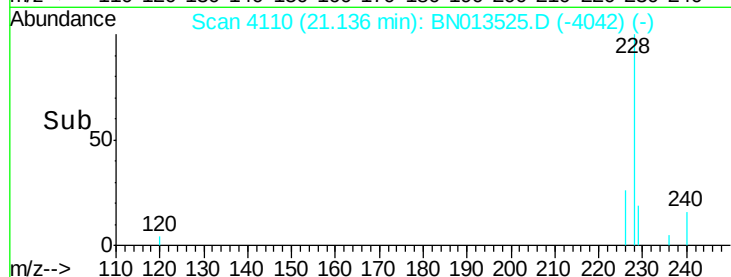
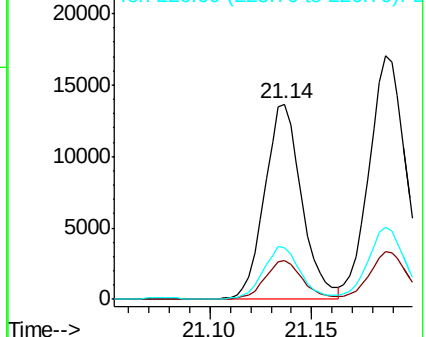
228 100

229 19.8 15.5 23.3

226 26.4 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: 0.359 ng/ul

RT: 21.19 min Scan# 4127

Delta R.T. -0.00 min

Lab File: BN013525.D

Acq: 28 Jan 2021 13:22

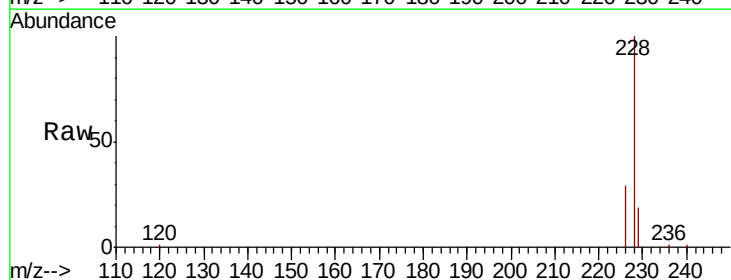
Tgt Ion:228 Resp: 21488

Ion Ratio Lower Upper

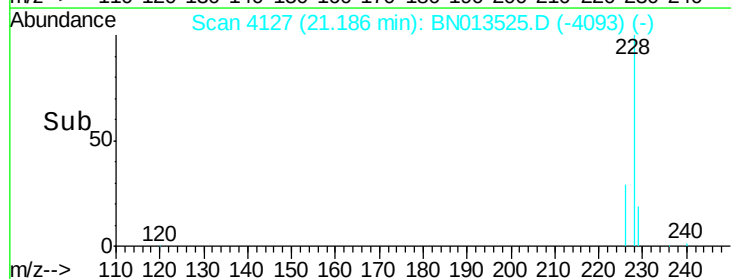
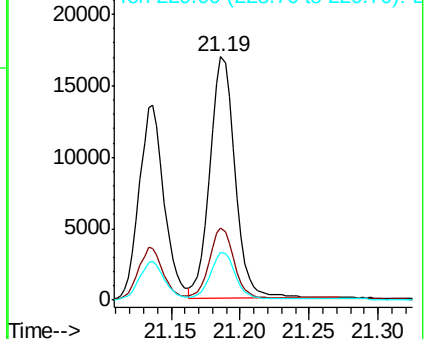
228 100

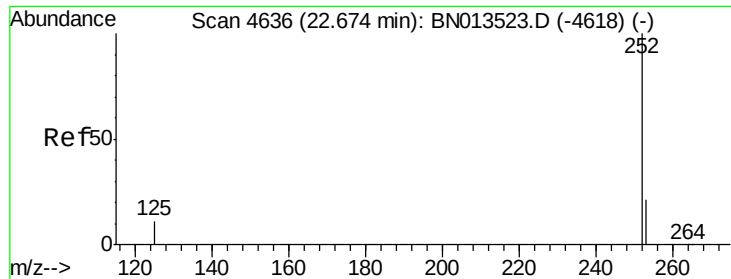
226 29.4 23.8 35.6

229 19.4 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: 0.334 ng/ul

RT: 22.67 min Scan# 4636

Delta R.T. -0.00 min

Lab File: BN013525.D

Acq: 28 Jan 2021 13:22

Instrument :

BNA_N

ClientSampleId :

SLCS338

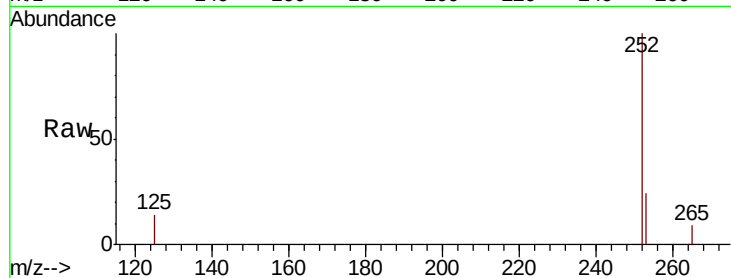
Tot Ion:252 Resp: 19674

Ion Ratio Lower Upper

252 100

253 24.5 0.0 46.6

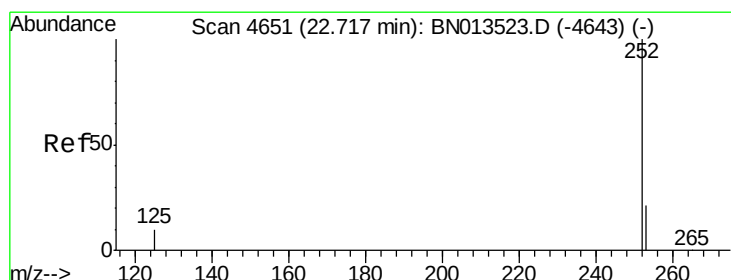
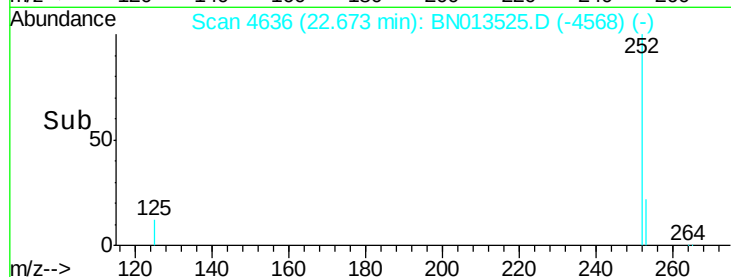
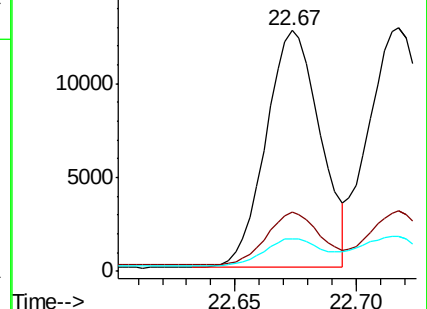
125 13.5 0.0 27.2



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: 0.364 ng/ul

RT: 22.72 min Scan# 4651

Delta R.T. -0.00 min

Lab File: BN013525.D

Acq: 28 Jan 2021 13:22

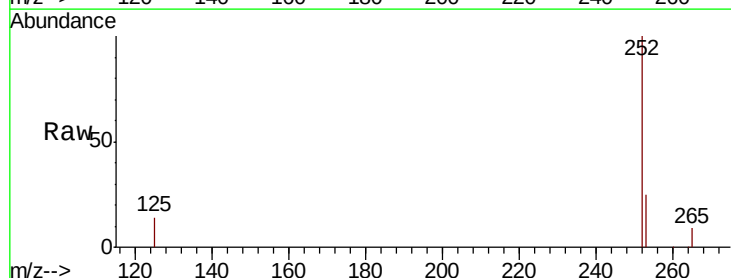
Tgt Ion:252 Resp: 22344

Ion Ratio Lower Upper

252 100

253 24.8 19.0 28.4

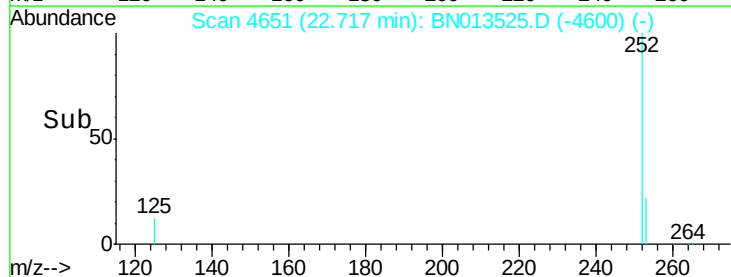
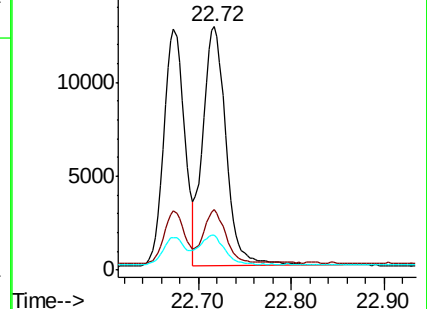
125 14.1 11.3 16.9

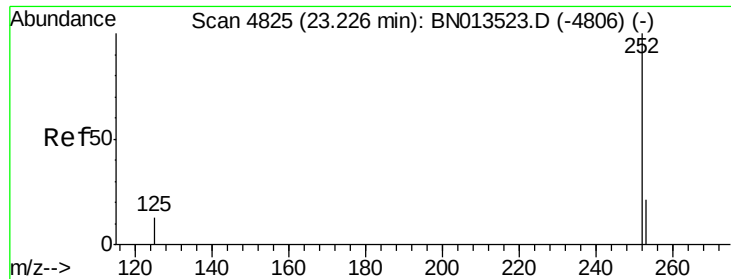


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.370 ng/ul

RT: 23.23 min Scan# 4825

Delta R.T. -0.00 min

Lab File: BN013525.D

Acq: 28 Jan 2021 13:22

Instrument :

BNA_N

ClientSampleId :

SLCS338

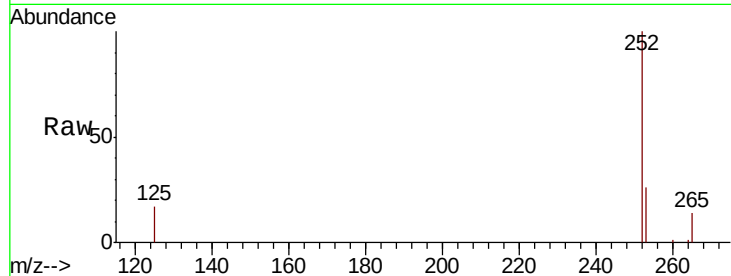
Tot Ion:252 Resp: 17151

Ion Ratio Lower Upper

252 100

253 25.7 19.8 29.8

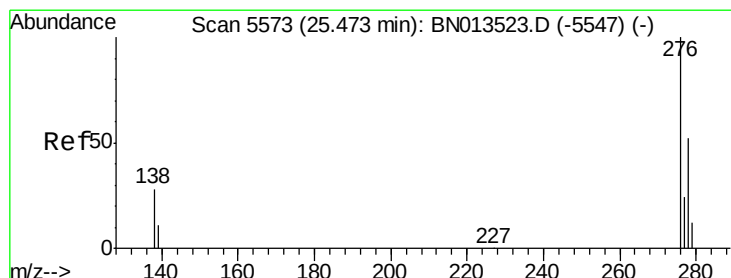
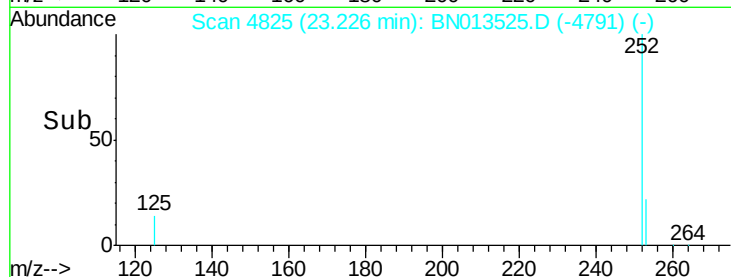
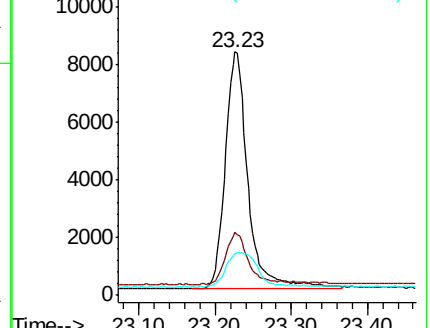
125 17.1 13.1 19.7



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: 25.48 min Scan# 5575

Delta R.T. 0.01 min

Lab File: BN013525.D

Acq: 28 Jan 2021 13:22

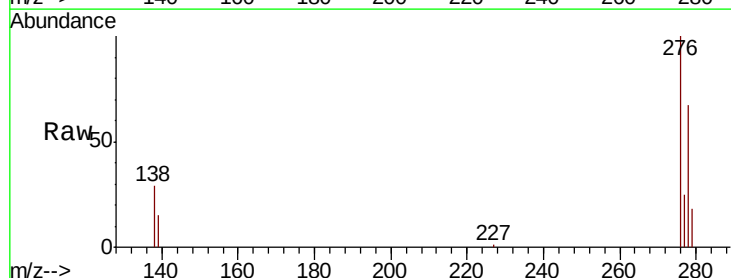
Tgt Ion:276 Resp: 22568

Ion Ratio Lower Upper

276 100

138 30.4 17.2 25.8#

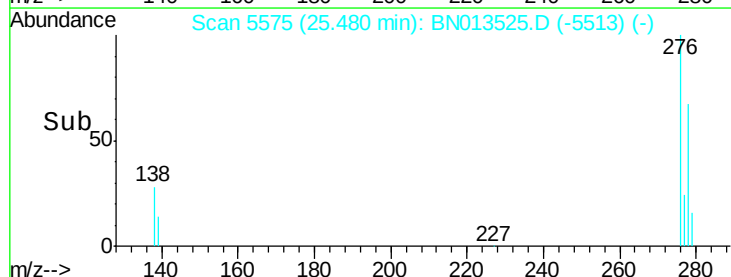
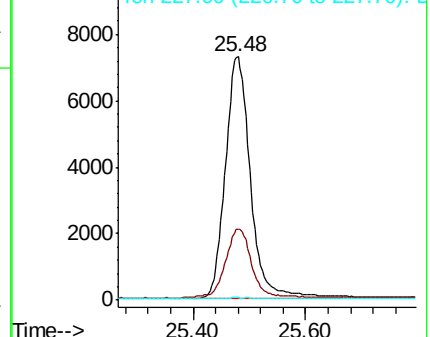
227 0.1 0.0 0.0#

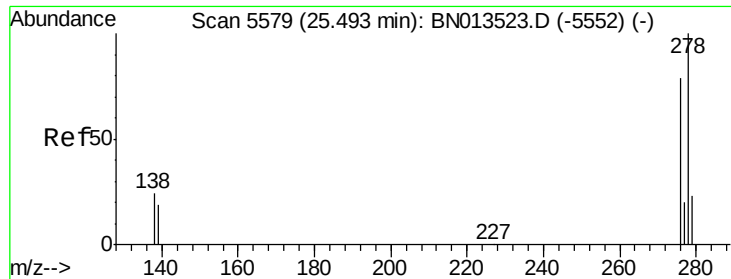


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.338 ng/ul

RT: 25.49 min Scan# 5579

Delta R.T. -0.00 min

Lab File: BN013525.D

Acq: 28 Jan 2021 13:22

Instrument :

BNA_N

ClientSampleId :

SLCS338

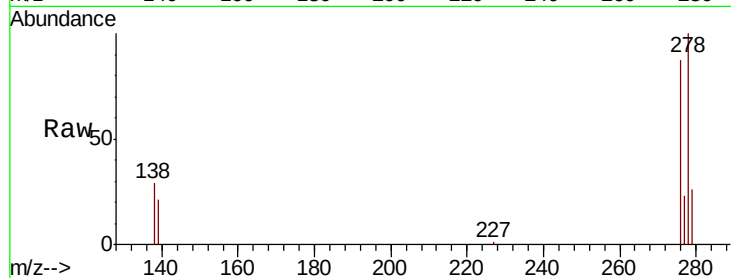
Tot Ion:278 Resp: 17911

Ion Ratio Lower Upper

278 100

139 21.0 16.2 24.2

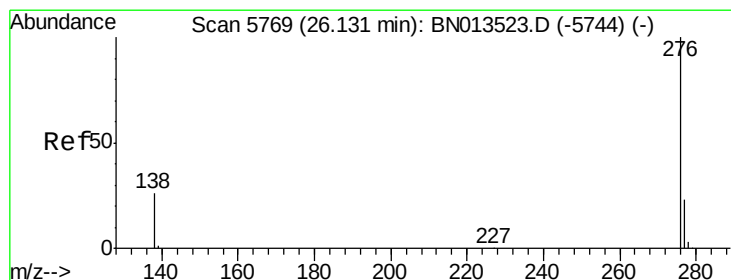
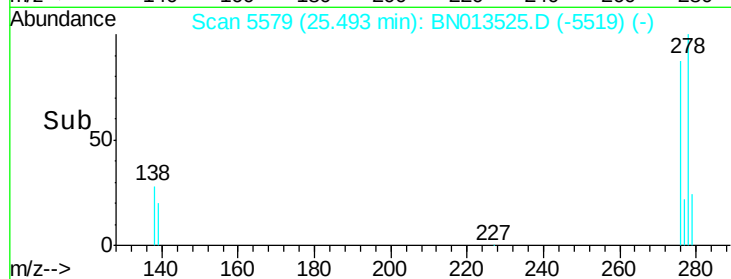
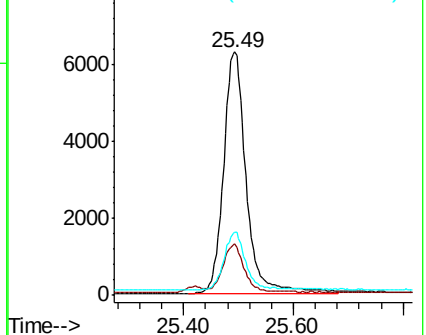
279 25.8 20.3 30.5



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: 0.341 ng/ul

RT: 26.13 min Scan# 5770

Delta R.T. 0.00 min

Lab File: BN013525.D

Acq: 28 Jan 2021 13:22

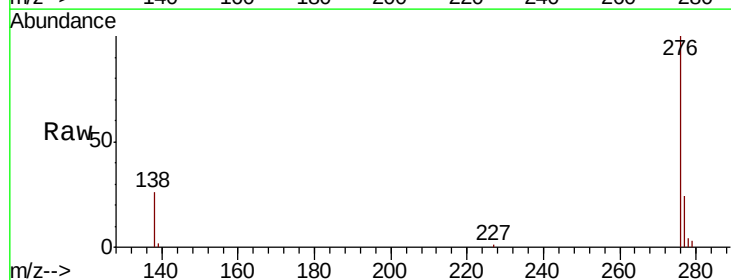
Tgt Ion:276 Resp: 19621

Ion Ratio Lower Upper

276 100

138 26.4 20.2 30.2

277 23.9 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

