

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN021721\
 Data File : BN013660.D
 Acq On : 17 Feb 2021 13:49
 Operator : CG/JU
 Sample : PB134681BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS681

Quant Time: Feb 17 14:18:40 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 : Wed Feb 17 10:54:34 2021
 Response via : Initial Calibration

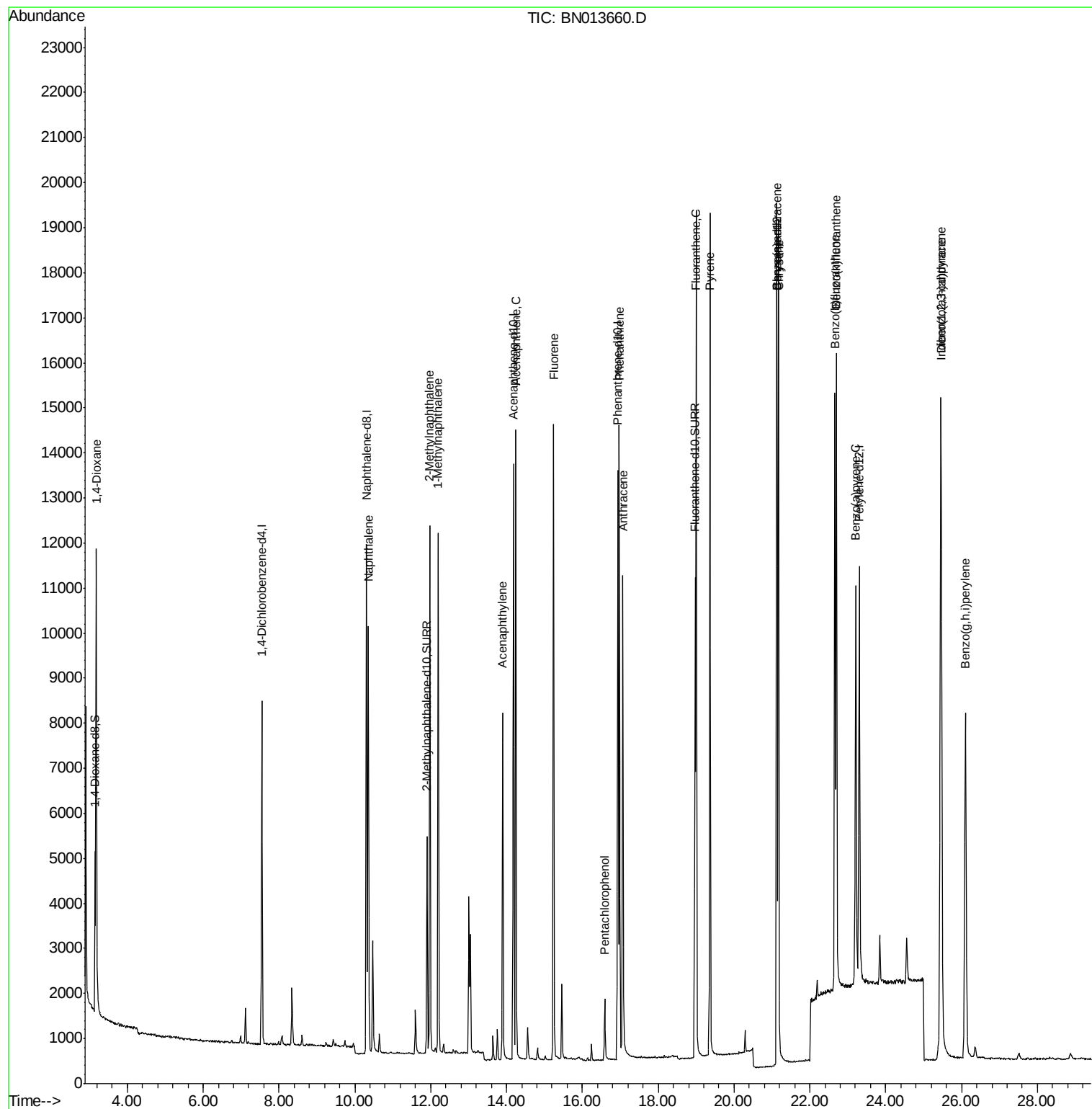
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	3830	0.40	ng/ul	0.00
4) Naphthalene-d8	10.31	136	14513	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.19	164	7544	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.94	188	15592	0.40	ng/ul	0.00
17) Chrysene-d12	21.14	240	13070	0.40	ng/ul	0.00
23) Perylene-d12	23.30	264	11975	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.15	96	2319	0.60	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.91	152	6587	0.31	ng/ul	0.00
18) Fluoranthene-d10	18.97	212	11968	0.30	ng/ul	0.00
Target Compounds					Ovalue	
2) 1,4-Dioxane	3.18	88	6335	1.623	ng/ul#	85
5) Naphthalene	10.36	128	12722	0.311	ng/ul	100
7) 2-Methylnaphthalene	11.98	142	8368	0.305	ng/ul	100
8) 1-Methylnaphthalene	12.20	142	8150	0.310	ng/ul	100
10) Acenaphthylene	13.90	152	9118	0.288	ng/ul	99
11) Acenaphthene	14.25	153	8295	0.305	ng/ul	99
12) Fluorene	15.24	166	9205	0.305	ng/ul	98
14) Pentachlorophenol	16.59	266	1047	0.556	ng/ul	98
15) Phenanthrene	16.97	178	15114	0.302	ng/ul	100
16) Anthracene	17.07	178	12156	0.298	ng/ul	99
19) Fluoranthene	19.00	202	15838	0.306	ng/ul	97
20) Pyrene	19.37	202	16145	0.311	ng/ul	99
21) Benzo(a)anthracene	21.12	228	13130	0.319	ng/ul	100
22) Chrysene	21.17	228	15971	0.313	ng/ul	100
24) Benzo(b)fluoranthene	22.66	252	15905	0.304	ng/ul	96
25) Benzo(k)fluoranthene	22.70	252	17029	0.313	ng/ul	97
26) Benzo(a)pyrene	23.21	252	13245	0.322	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	25.45	276	18052	0.312	ng/ul#	85
28) Dibenzo(a,h)anthracene	25.47	278	14504	0.309	ng/ul	98
29) Benzo(g,h,i)perylene	26.10	276	15575	0.305	ng/ul	97

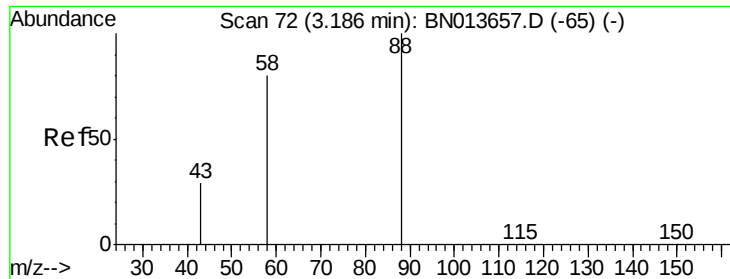
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.623 ng/ul

RT: 3.18 min Scan# 71

Delta R.T. -0.00 min

Lab File: BN013660.D

Acq: 17 Feb 2021 13:49

Instrument :

BNA_N

ClientSampleId :

SLCS681

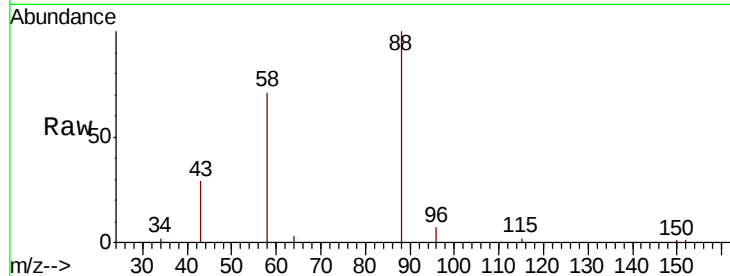
Tot Ion: 88 Resp: 6335

Ion Ratio Lower Upper

88 100

43 29.2 26.9 40.3

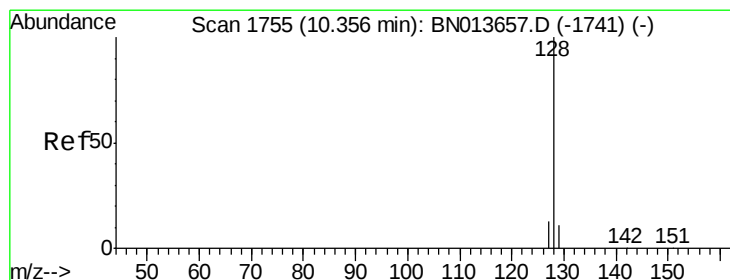
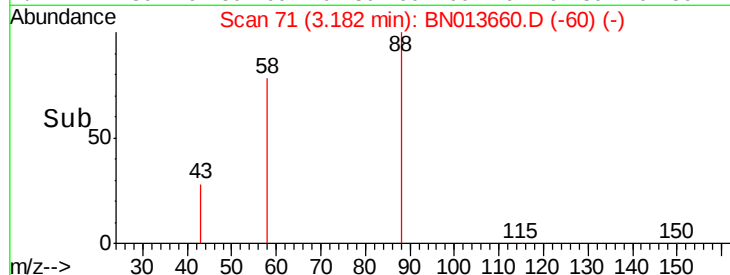
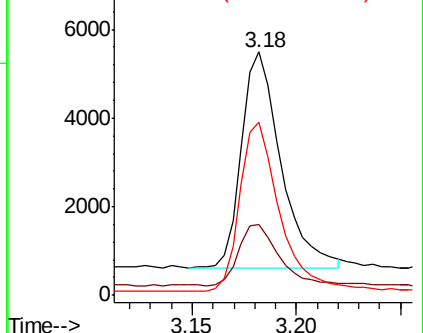
58 71.0 45.8 68.6#



Abundance Ion 88.00 (87.70 to 88.70): BN013657.D (-65) (-)

Ion 43.00 (42.70 to 43.70): BN013657.D (-65) (-)

Ion 58.00 (57.70 to 58.70): BN013657.D (-65) (-)



#5

Naphthalene

Concen: 0.311 ng/ul

RT: 10.36 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BN013660.D

Acq: 17 Feb 2021 13:49

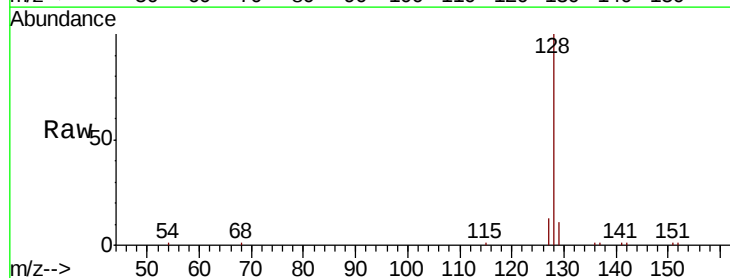
Tgt Ion: 128 Resp: 12722

Ion Ratio Lower Upper

128 100

129 11.3 9.2 13.8

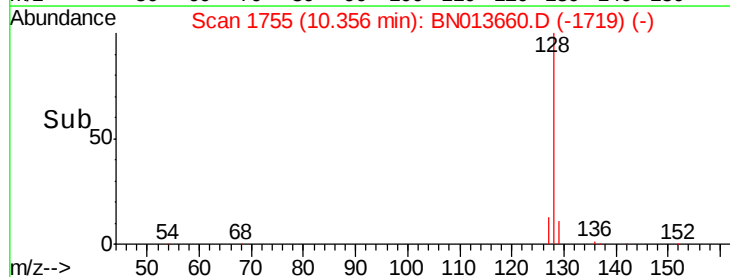
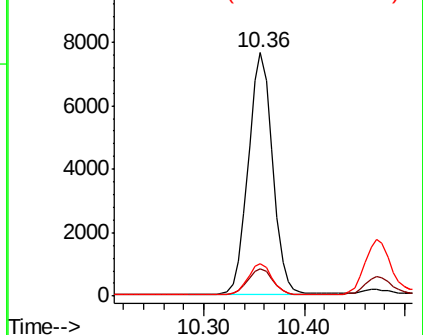
127 13.4 10.7 16.1

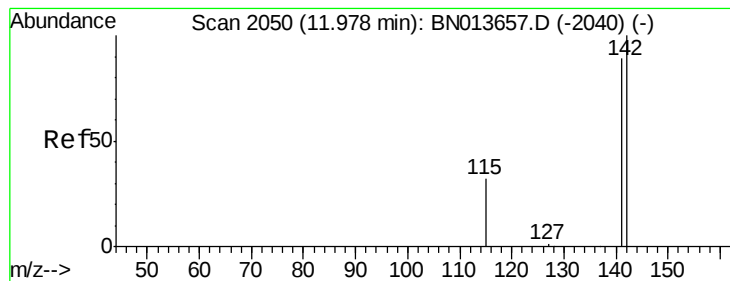


Abundance Ion 128.00 (127.70 to 128.70): BN013657.D (-1741) (-)

Ion 129.00 (128.70 to 129.70): BN013657.D (-1741) (-)

Ion 127.00 (126.70 to 127.70): BN013657.D (-1741) (-)





#7

2-Methylnaphthalene

Concen: 0.305 ng/ul

RT: 11.98 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BN013660.D

Acq: 17 Feb 2021 13:49

Instrument :

BNA_N

ClientSampleId :

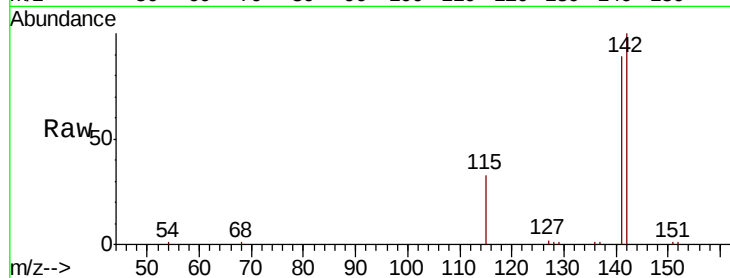
SLCS681

Tot Ion:142 Resp: 8368

Ion Ratio Lower Upper

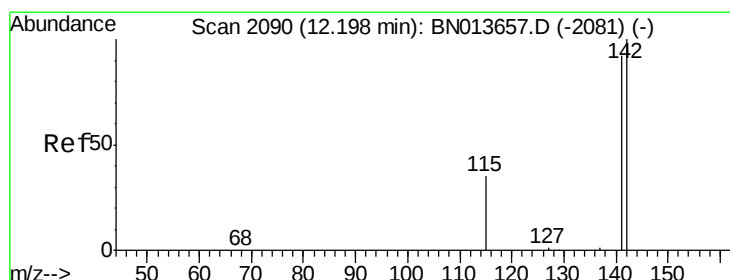
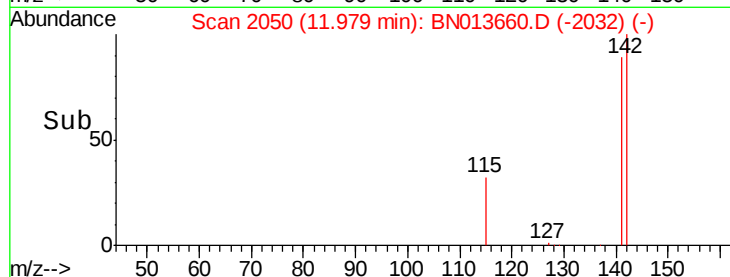
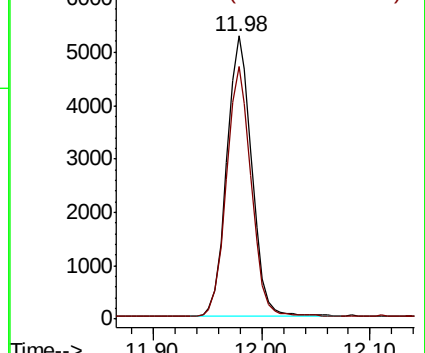
142 100

141 88.7 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: 0.310 ng/ul

RT: 12.20 min Scan# 2090

Delta R.T. 0.00 min

Lab File: BN013660.D

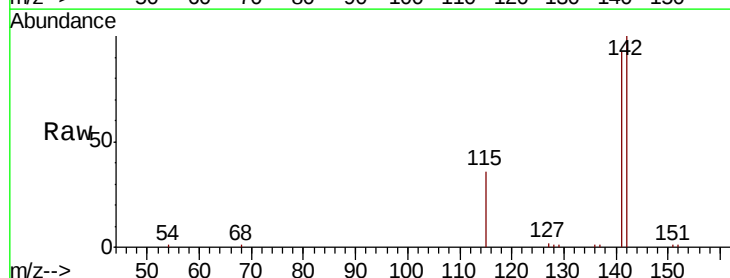
Acq: 17 Feb 2021 13:49

Tgt Ion:142 Resp: 8150

Ion Ratio Lower Upper

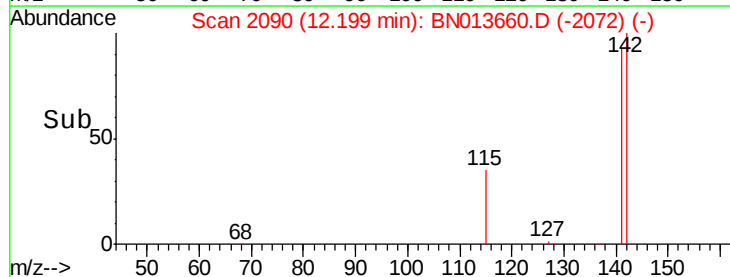
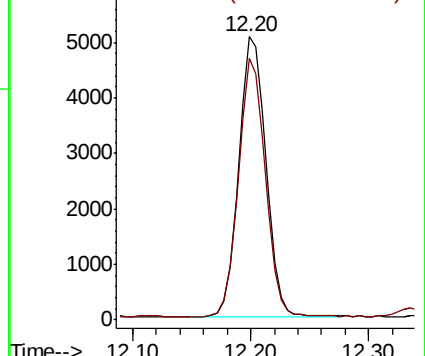
142 100

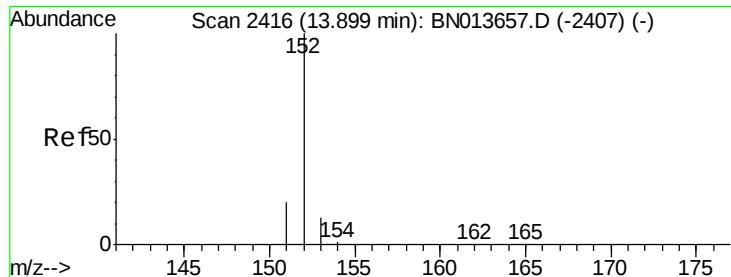
141 91.3 73.3 109.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.288 ng/ul

RT: 13.90 min Scan# 2416

Delta R.T. 0.00 min

Lab File: BN013660.D

Acq: 17 Feb 2021 13:49

Instrument :

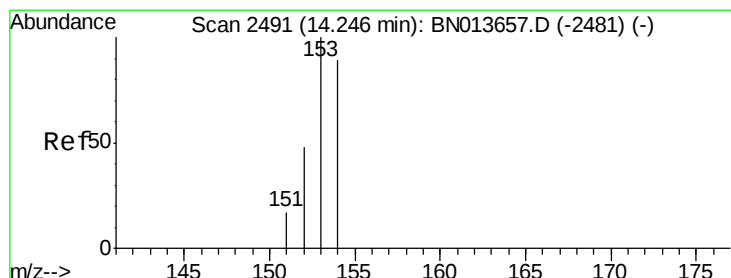
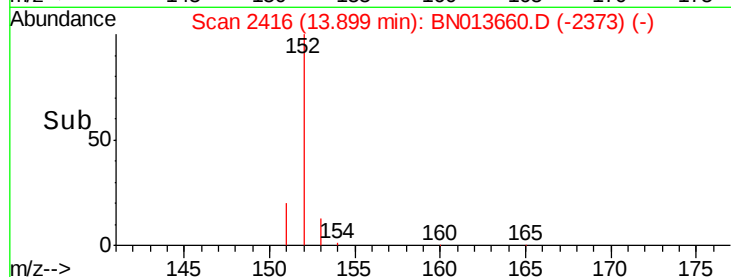
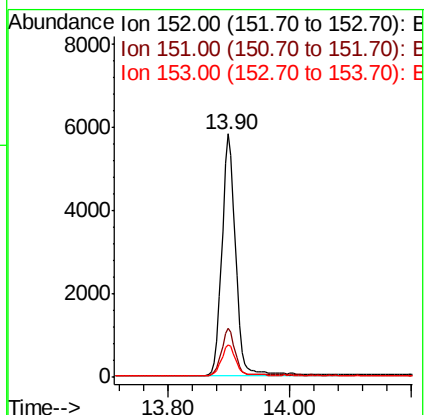
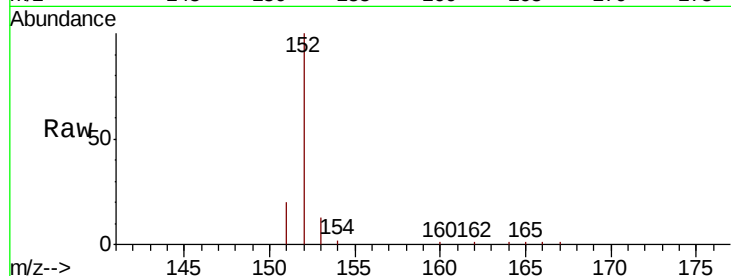
BNA_N

ClientSampleId :

SLCS681

Tot Ion:152 Resp: 9118

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.6
153	13.4	10.7	16.1



#11

Acenaphthene

Concen: 0.305 ng/ul

RT: 14.25 min Scan# 2491

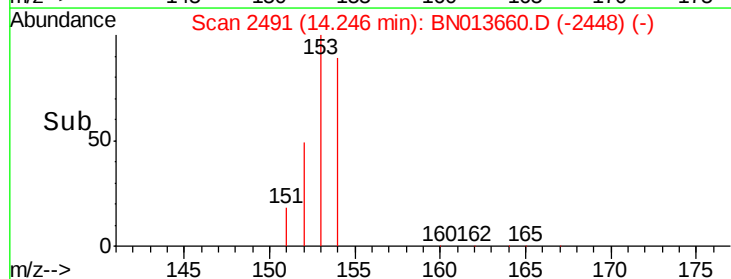
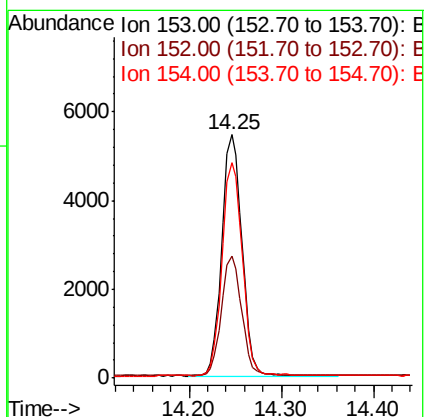
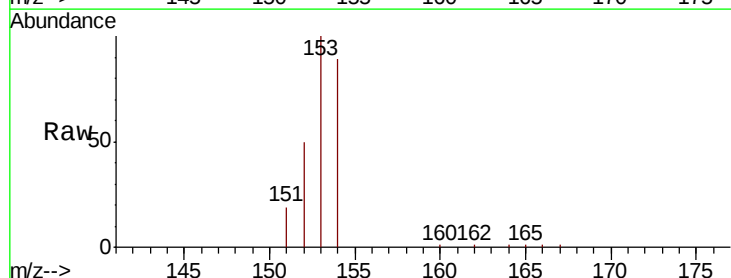
Delta R.T. 0.00 min

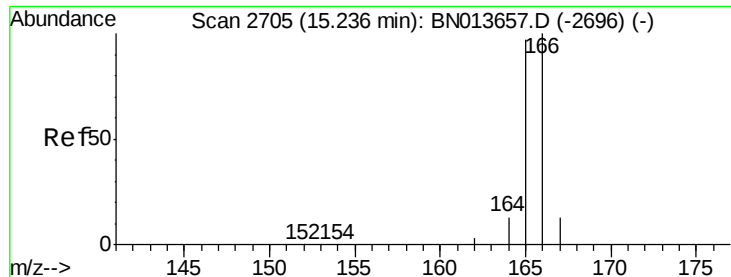
Lab File: BN013660.D

Acq: 17 Feb 2021 13:49

Tgt Ion:153 Resp: 8295

Ion	Ratio	Lower	Upper
153	100		
152	50.3	38.9	58.3
154	88.7	71.0	106.6





#12

Fluorene

Concen: 0.305 ng/ul

RT: 15.24 min Scan# 2706

Delta R.T. 0.00 min

Lab File: BN013660.D

Acq: 17 Feb 2021 13:49

Instrument :

BNA_N

ClientSampleId :

SLCS681

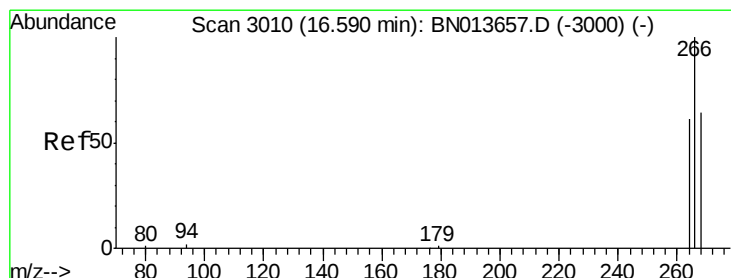
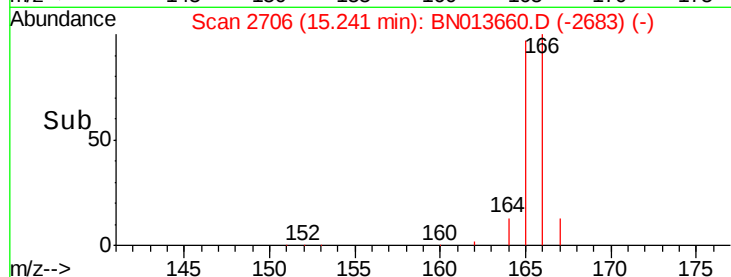
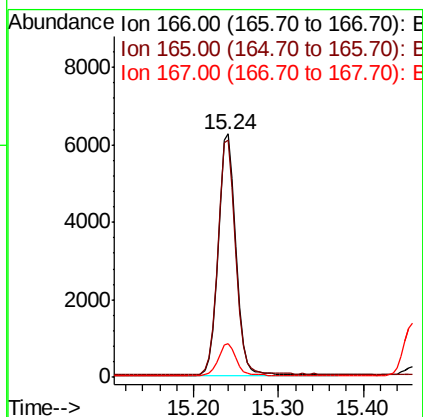
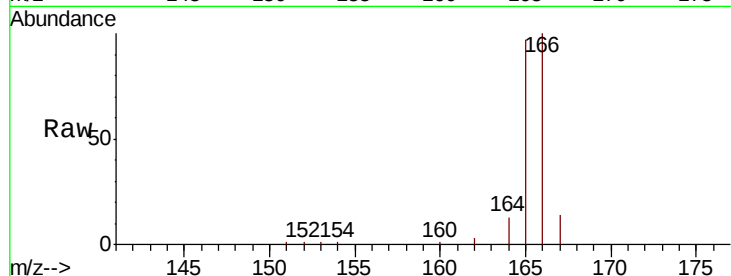
Tot Ion:166 Resp: 9205

Ion Ratio Lower Upper

166 100

165 97.4 76.1 114.1

167 14.0 11.0 16.6



#14

Pentachlorophenol

Concen: 0.556 ng/ul

RT: 16.59 min Scan# 3010

Delta R.T. 0.00 min

Lab File: BN013660.D

Acq: 17 Feb 2021 13:49

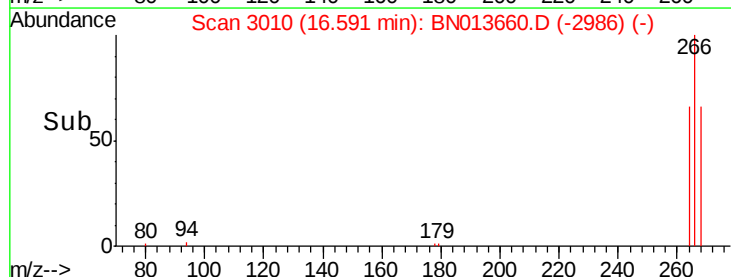
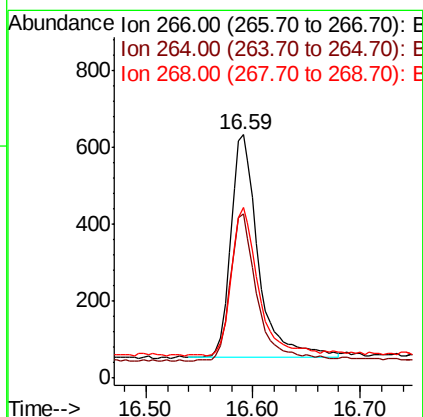
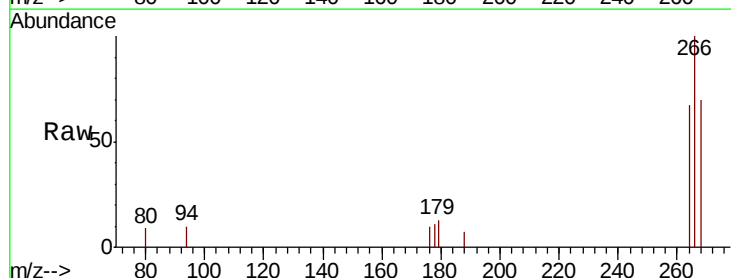
Tgt Ion:266 Resp: 1047

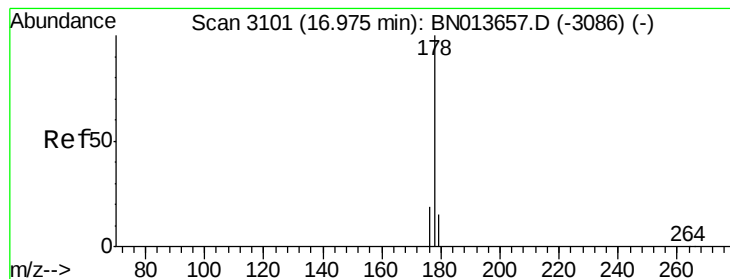
Ion Ratio Lower Upper

266 100

264 63.7 50.0 75.0

268 64.5 52.6 79.0





#15

Phenanthrene

Concen: 0.302 ng/ul

RT: 16.97 min Scan# 3101

Delta R.T. 0.00 min

Lab File: BN013660.D

Acq: 17 Feb 2021 13:49

Instrument :

BNA_N

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SLCS681

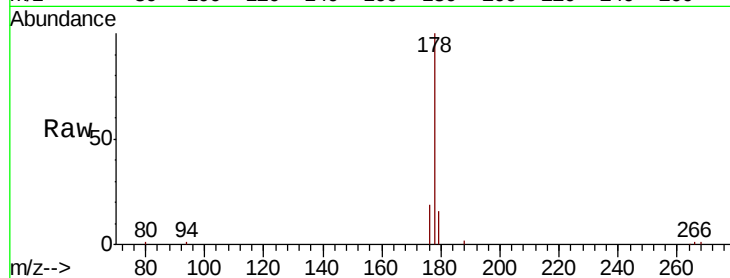
Tot Ion:178 Resp: 15114

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

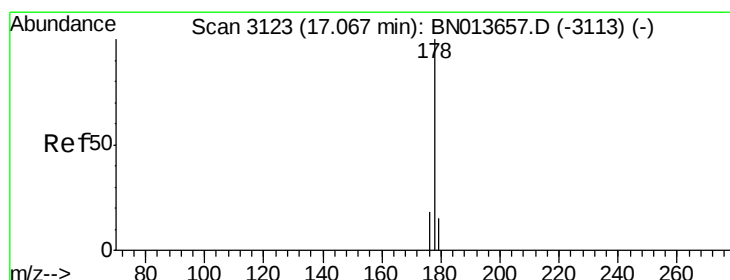
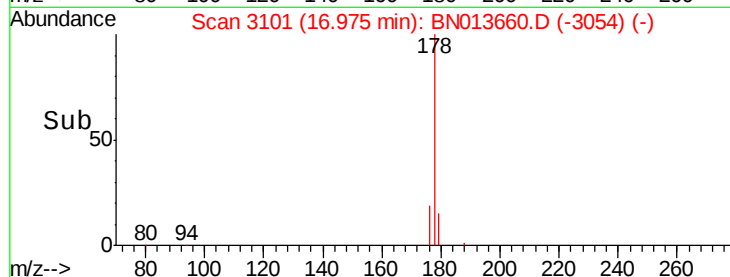
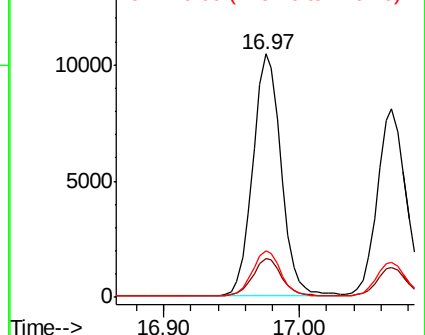
176 19.1 15.4 23.0



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: 0.298 ng/ul

RT: 17.07 min Scan# 3123

Delta R.T. 0.00 min

Lab File: BN013660.D

Acq: 17 Feb 2021 13:49

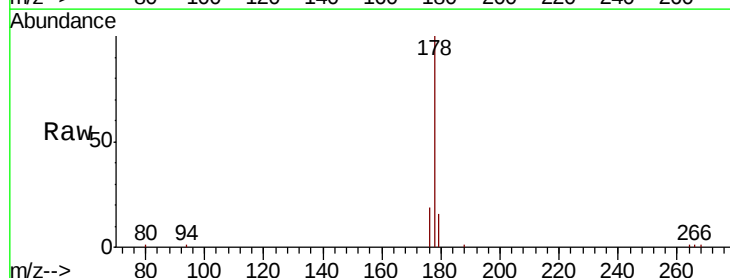
Tgt Ion:178 Resp: 12156

Ion Ratio Lower Upper

178 100

179 15.9 12.6 18.8

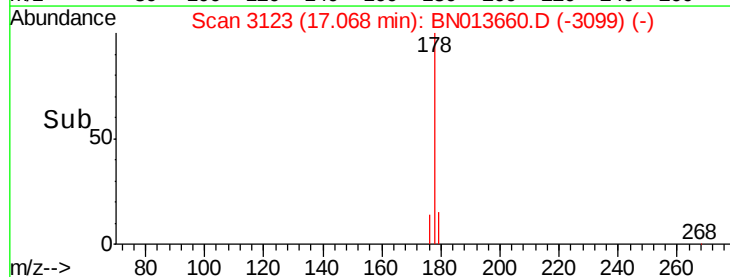
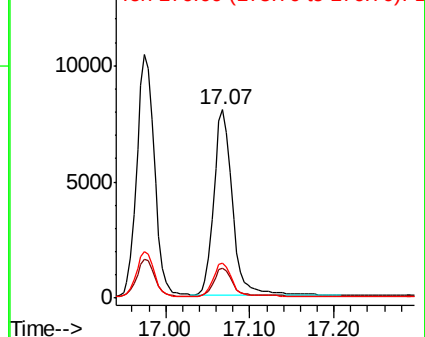
176 18.8 14.4 21.6

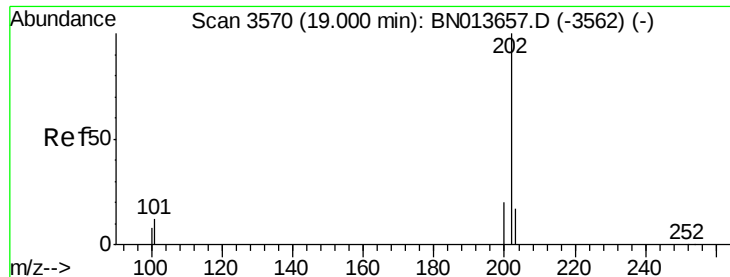


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 0.306 ng/ul

RT: 19.00 min Scan# 3570

Delta R.T. 0.00 min

Lab File: BN013660.D

Acq: 17 Feb 2021 13:49

Instrument :

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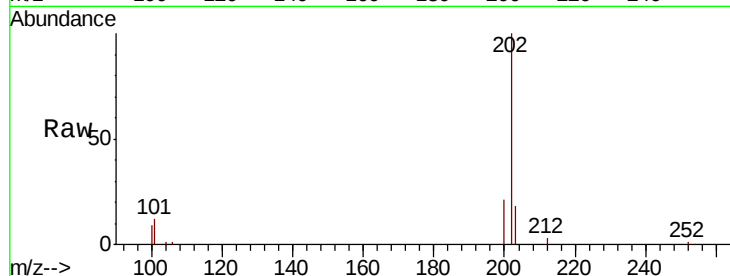
Tot Ion:202 Resp: 15838

Ion Ratio Lower Upper

202 100

101 12.2 8.9 13.3

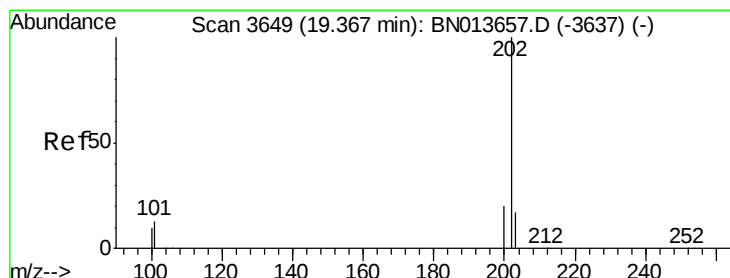
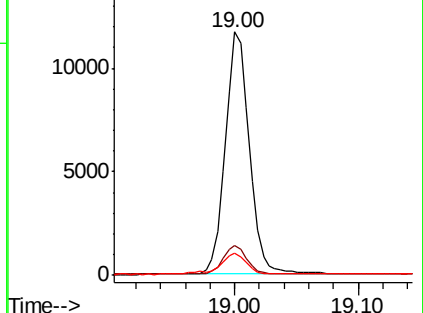
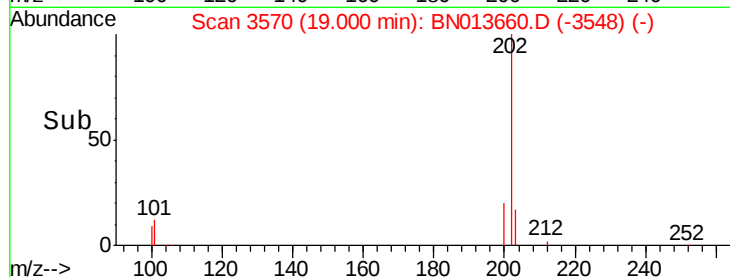
100 9.2 6.6 10.0



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: 0.311 ng/ul

RT: 19.37 min Scan# 3649

Delta R.T. 0.00 min

Lab File: BN013660.D

Acq: 17 Feb 2021 13:49

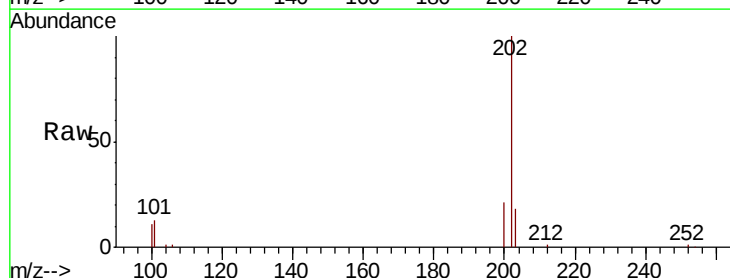
Tgt Ion:202 Resp: 16145

Ion Ratio Lower Upper

202 100

101 13.4 10.3 15.5

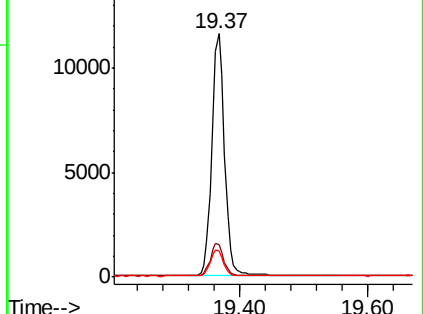
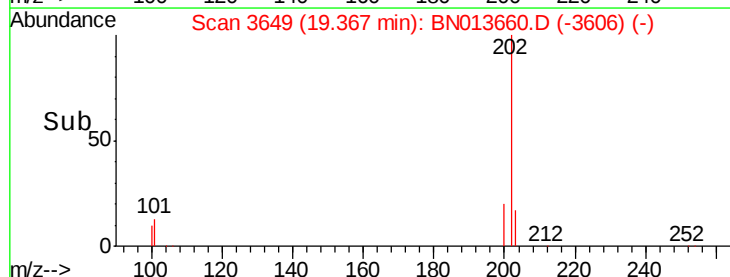
100 10.8 8.6 13.0

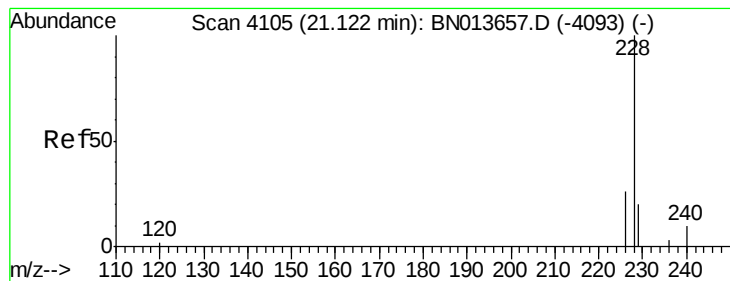


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.319 ng/ul

RT: 21.12 min Scan# 4105

Delta R.T. 0.00 min

Lab File: BN013660.D

Acq: 17 Feb 2021 13:49

Instrument :

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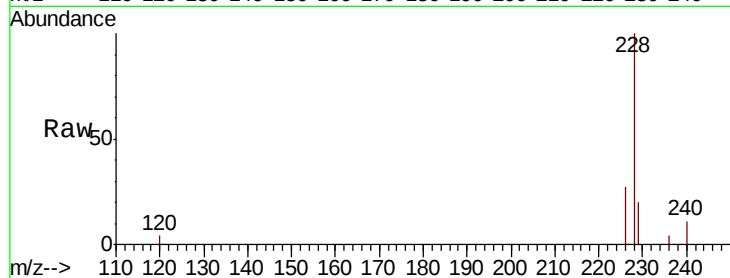
Tot Ion:228 Resp: 13130

Ion Ratio Lower Upper

228 100

229 19.6 15.5 23.3

226 27.0 21.6 32.4

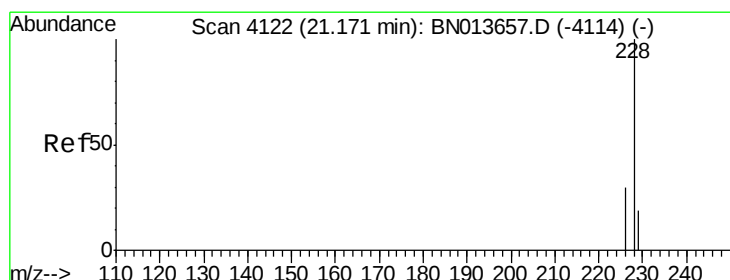
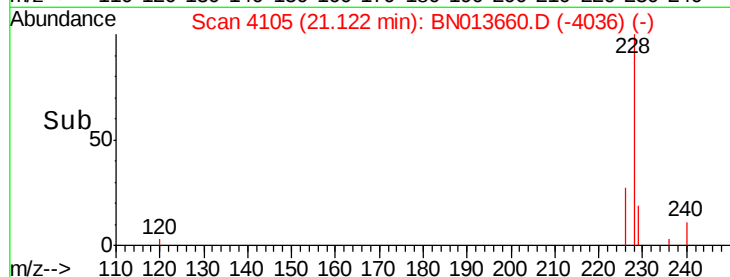
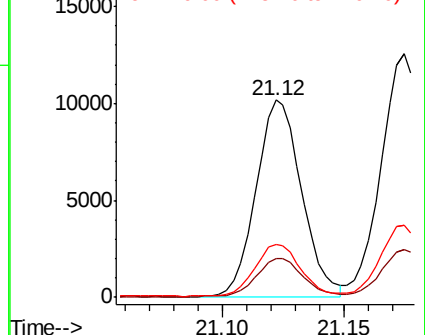


Abundance

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: 0.313 ng/ul

RT: 21.17 min Scan# 4123

Delta R.T. 0.00 min

Lab File: BN013660.D

Acq: 17 Feb 2021 13:49

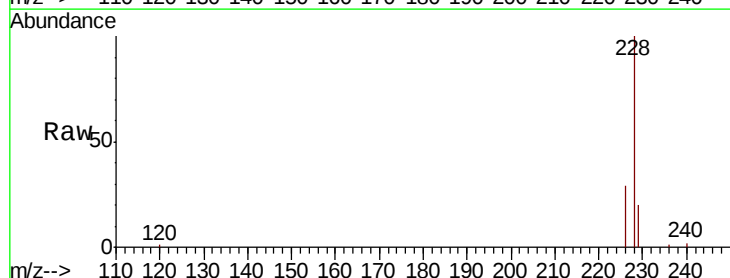
Tgt Ion:228 Resp: 15971

Ion Ratio Lower Upper

228 100

226 29.4 23.8 35.6

229 19.8 15.8 23.8

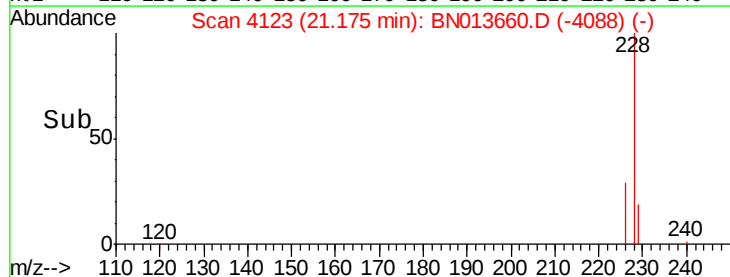
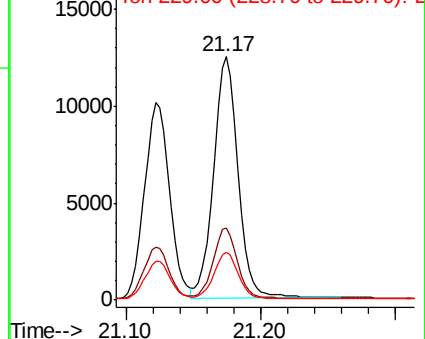


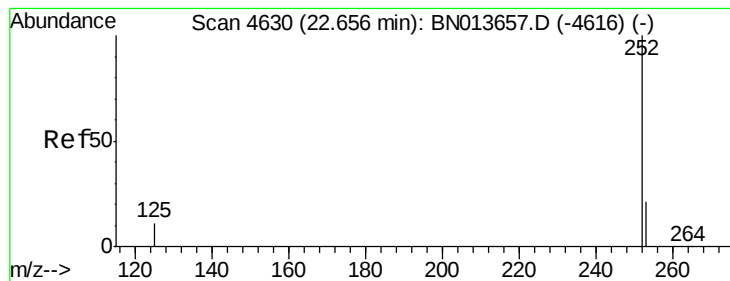
Abundance

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: 0.304 ng/ul

RT: 22.66 min Scan# 4631

Delta R.T. 0.00 min

Lab File: BN013660.D

Acq: 17 Feb 2021 13:49

Instrument :

BNA_N

ClientSampleId :

SLCS681

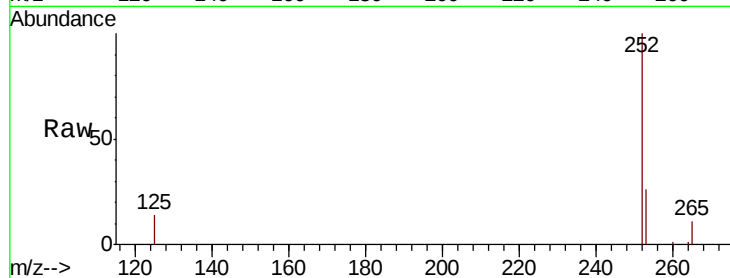
Tot Ion:252 Resp: 15905

Ion Ratio Lower Upper

252 100

253 25.8 0.0 46.6

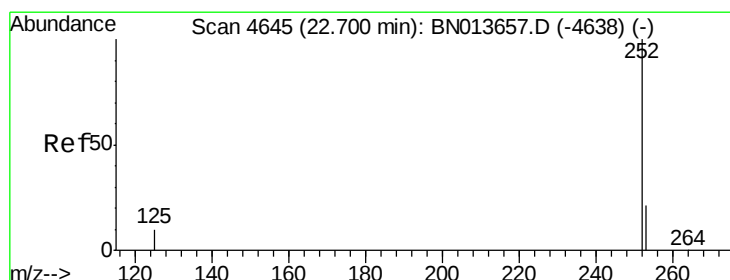
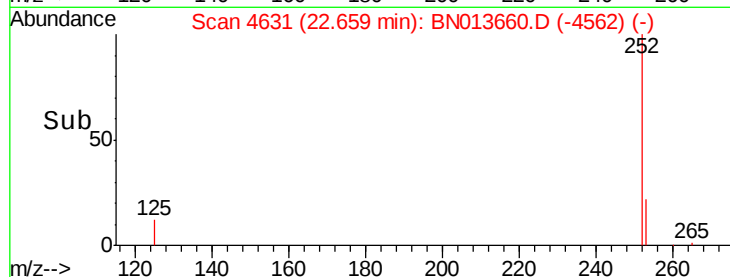
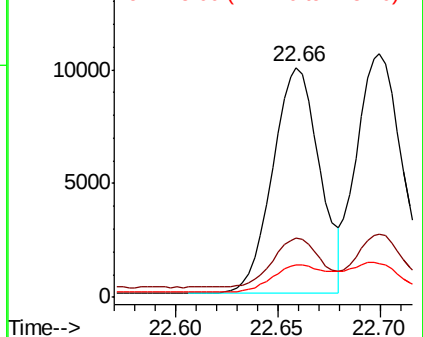
125 14.1 0.0 27.2



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: 0.313 ng/ul

RT: 22.70 min Scan# 4645

Delta R.T. 0.00 min

Lab File: BN013660.D

Acq: 17 Feb 2021 13:49

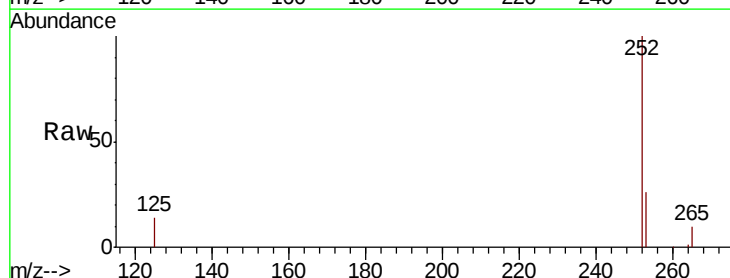
Tgt Ion:252 Resp: 17029

Ion Ratio Lower Upper

252 100

253 26.2 19.0 28.4

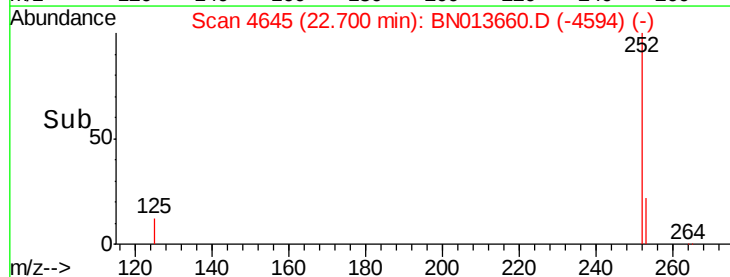
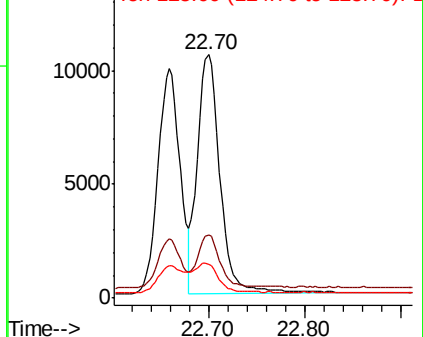
125 14.0 11.3 16.9

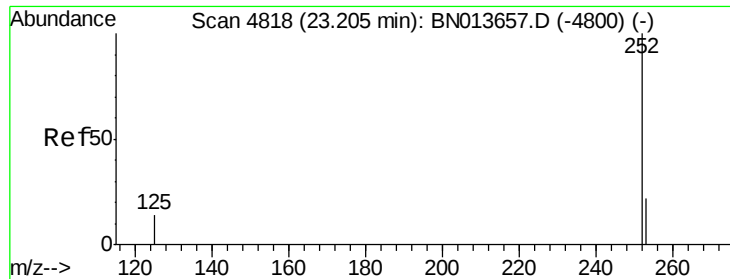


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.322 ng/ul

RT: 23.21 min Scan# 4819

Delta R.T. 0.00 min

Lab File: BN013660.D

Acq: 17 Feb 2021 13:49

Instrument :

BNA_N

ClientSampleId :

SLCS681

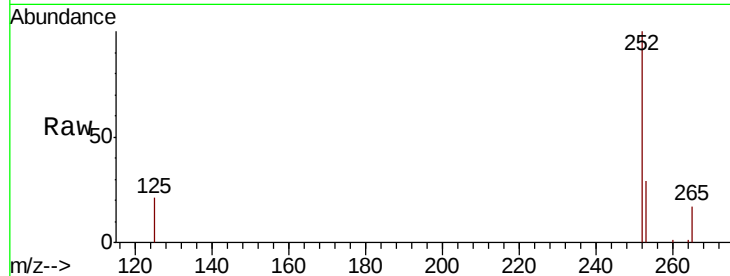
Tot Ion:252 Resp: 13245

Ion Ratio Lower Upper

252 100

253 28.5 19.8 29.8

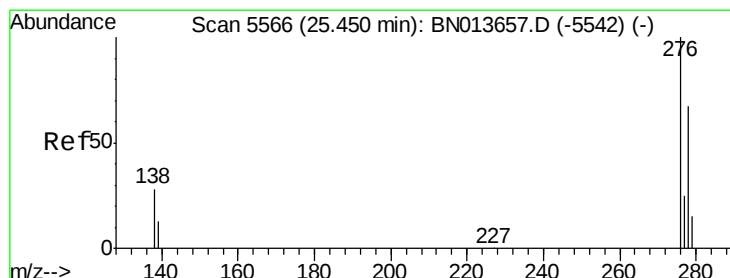
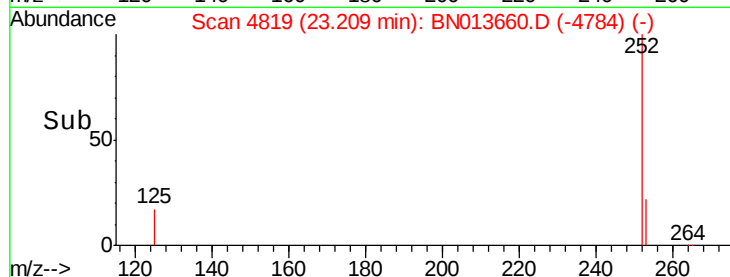
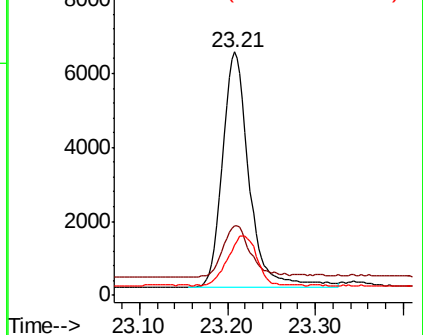
125 20.8 13.1 19.7#



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: 0.312 ng/ul

RT: 25.45 min Scan# 5566

Delta R.T. 0.00 min

Lab File: BN013660.D

Acq: 17 Feb 2021 13:49

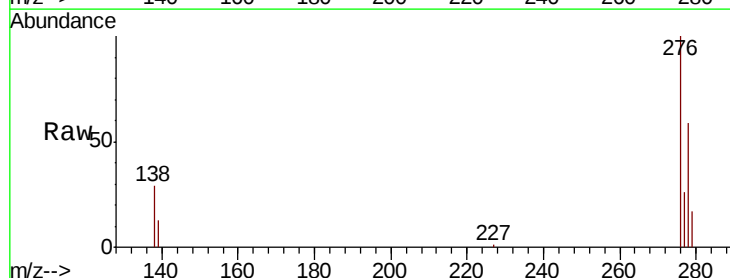
Tgt Ion:276 Resp: 18052

Ion Ratio Lower Upper

276 100

138 28.6 17.2 25.8#

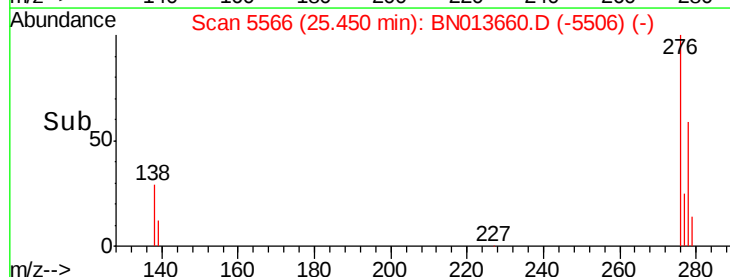
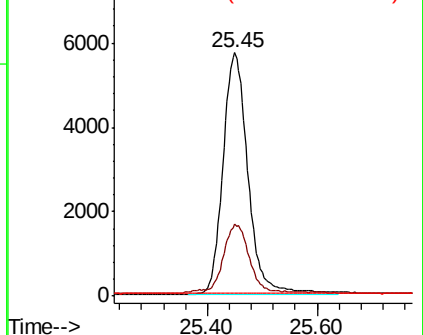
227 0.1 0.0 0.0#

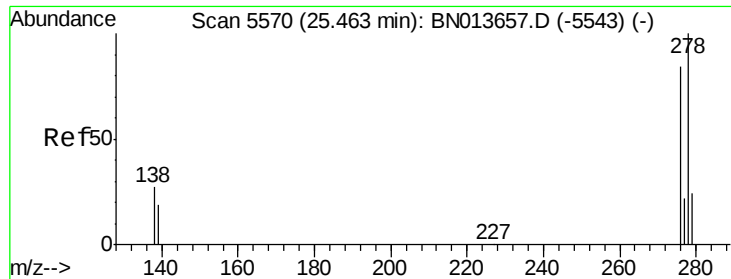


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.309 ng/ul

RT: 25.47 min Scan# 5571

Delta R.T. 0.00 min

Lab File: BN013660.D

Acq: 17 Feb 2021 13:49

Instrument :

BNA_N

ClientSampleId :

SLCS681

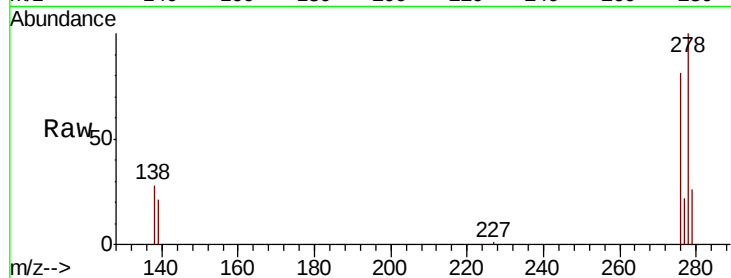
Tot Ion:278 Resp: 14504

Ion Ratio Lower Upper

278 100

139 21.3 16.2 24.2

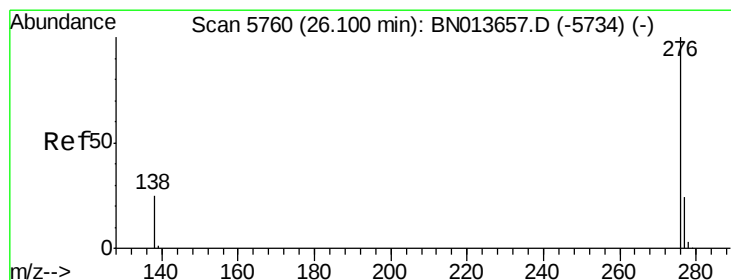
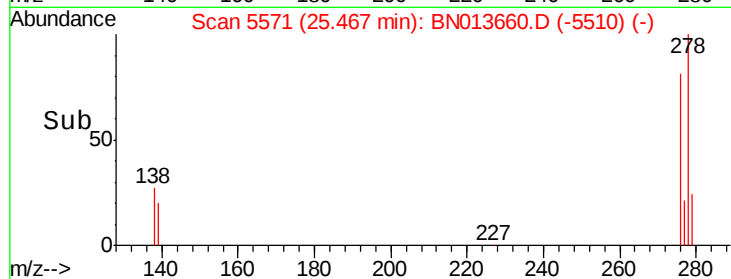
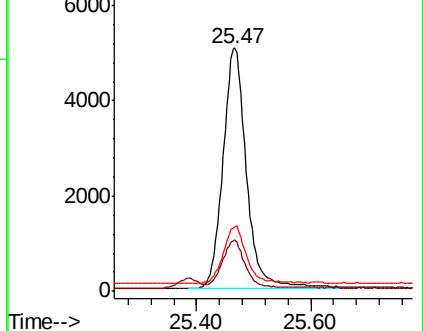
279 26.5 20.3 30.5



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: 0.305 ng/ul

RT: 26.10 min Scan# 5760

Delta R.T. 0.00 min

Lab File: BN013660.D

Acq: 17 Feb 2021 13:49

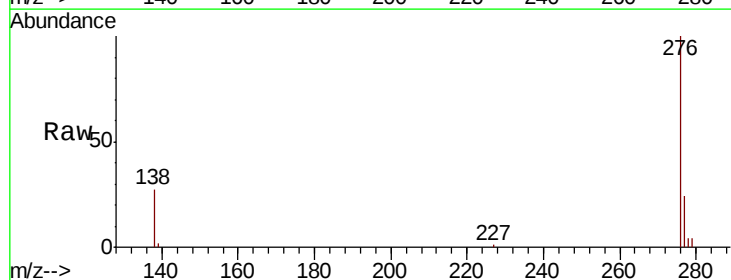
Tgt Ion:276 Resp: 15575

Ion Ratio Lower Upper

276 100

138 27.1 20.2 30.2

277 23.8 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

