

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031521\
 Data File : BN013940.D
 Acq On : 15 Mar 2021 12:56
 Operator : CG/JU
 Sample : PB134986BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS986

Quant Time: Mar 15 13:29:36 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN031221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 12 13:33:49 2021
 Response via : Initial Calibration

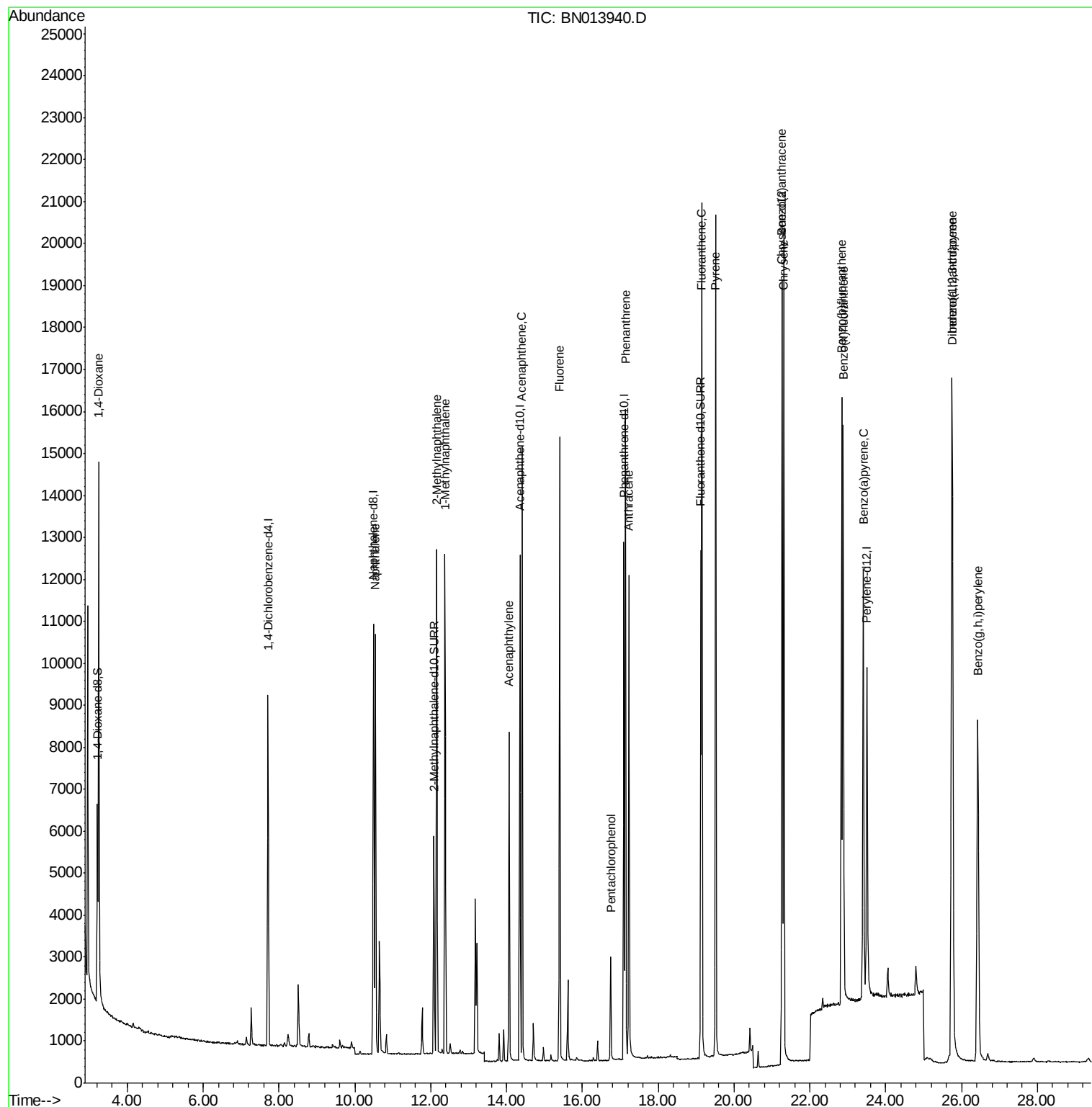
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	4101	0.40	ng/ul	0.00
4) Naphthalene-d8	10.49	136	13505	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.35	164	6486	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.10	188	13775	0.40	ng/ul	0.00
17) Chrysene-d12	21.28	240	11498	0.40	ng/ul	0.00
23) Perylene-d12	23.51	264	10364	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.21	96	2909	0.66	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.09	152	6637	0.34	ng/ul	0.00
18) Fluoranthene-d10	19.13	212	12894	0.38	ng/ul	0.00
Target Compounds					Ovalue	
2) 1,4-Dioxane	3.25	88	7945	1.728	ng/ul#	85
5) Naphthalene	10.54	128	13344	0.339	ng/ul	100
7) 2-Methylnaphthalene	12.16	142	8405	0.328	ng/ul	100
8) 1-Methylnaphthalene	12.38	142	8031	0.325	ng/ul	99
10) Acenaphthylene	14.07	152	8997	0.308	ng/ul	100
11) Acenaphthene	14.41	153	8211	0.338	ng/ul	100
12) Fluorene	15.40	166	9034	0.333	ng/ul	99
14) Pentachlorophenol	16.75	266	1644	0.698	ng/ul	98
15) Phenanthrene	17.14	178	15460	0.336	ng/ul	99
16) Anthracene	17.23	178	12489	0.329	ng/ul	100
19) Fluoranthene	19.15	202	16699	0.361	ng/ul	99
20) Pyrene	19.52	202	17017	0.355	ng/ul	99
21) Benzo(a)anthracene	21.26	228	13646	0.333	ng/ul	99
22) Chrysene	21.31	228	16809	0.371	ng/ul	100
24) Benzo(b)fluoranthene	22.84	252	17392	0.358	ng/ul	97
25) Benzo(k)fluoranthene	22.88	252	17738	0.362	ng/ul	99
26) Benzo(a)pyrene	23.41	252	14540	0.370	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	25.74	276	20062	0.384	ng/ul#	100
28) Dibenzo(a,h)anthracene	25.76	278	16031	0.381	ng/ul	99
29) Benzo(a,h,i)perylene	26.43	276	17403	0.374	ng/ul	100

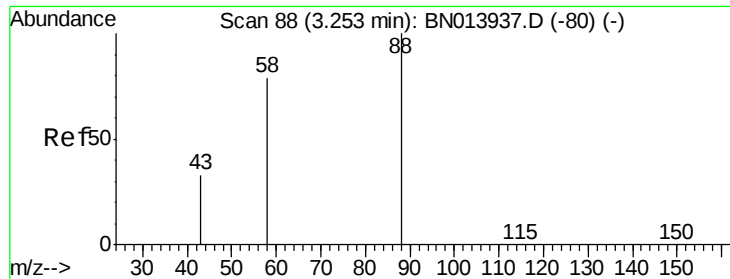
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN031221.M
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#2

1,4-Dioxane

Concen: 1.728 ng/ul

RT: 3.25 min Scan# 86

Delta R.T. -0.00 min

Lab File: BN013940.D

Acq: 15 Mar 2021 12:56

Instrument :

BNA_N

ClientSampleId :

SLCS986

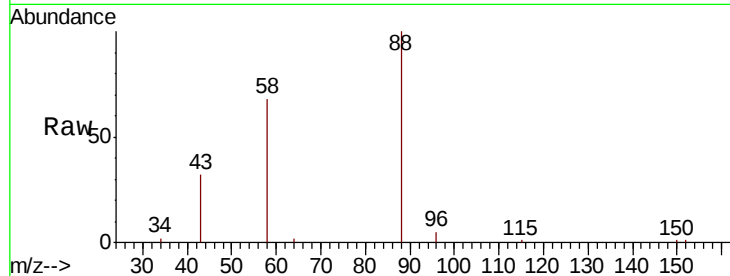
Tot Ion: 88 Resp: 7945

Ion Ratio Lower Upper

88 100

43 31.5 28.5 42.7

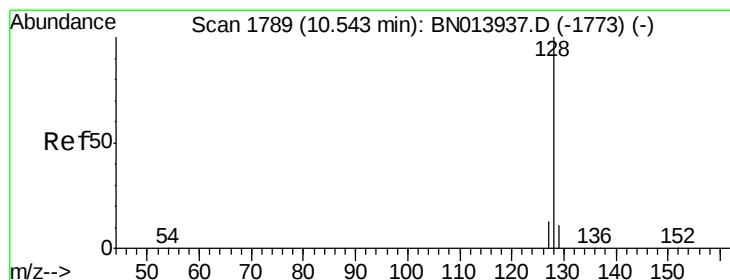
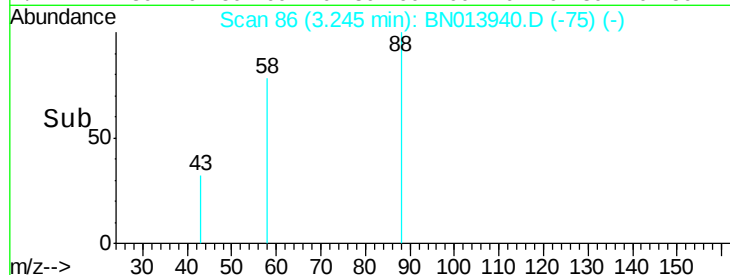
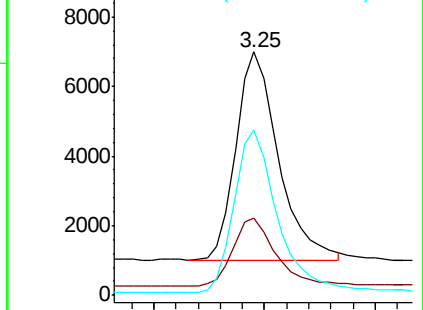
58 68.0 42.5 63.7#



Abundance Ion 88.00 (87.70 to 88.70): BN013937.D (-80) (-)

Ion 43.00 (42.70 to 43.70): BN013937.D (-80) (-)

Ion 58.00 (57.70 to 58.70): BN013937.D (-80) (-)



#5

Naphthalene

Concen: 0.339 ng/ul

RT: 10.54 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BN013940.D

Acq: 15 Mar 2021 12:56

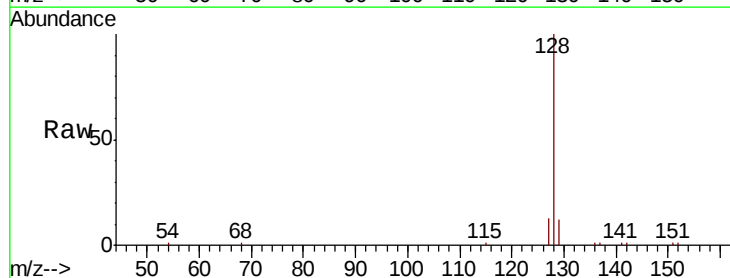
Tgt Ion:128 Resp: 13344

Ion Ratio Lower Upper

128 100

129 11.6 9.2 13.8

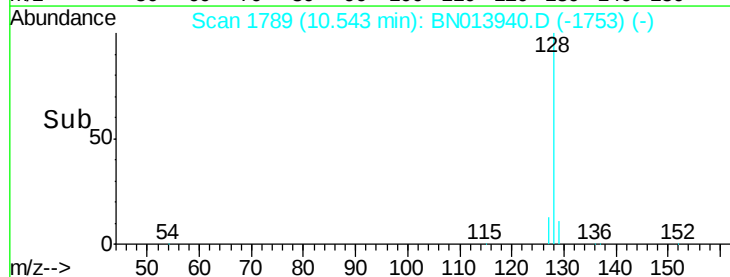
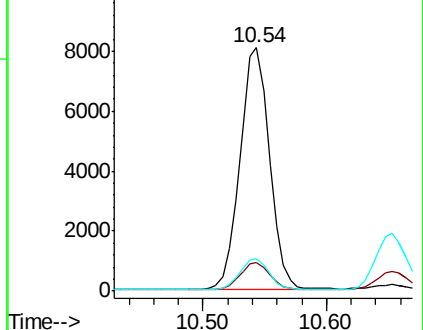
127 13.3 10.7 16.1

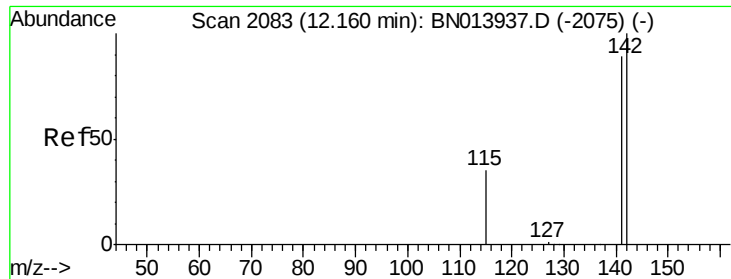


Abundance Ion 128.00 (127.70 to 128.70): BN013937.D (-1773) (-)

Ion 129.00 (128.70 to 129.70): BN013937.D (-1773) (-)

Ion 127.00 (126.70 to 127.70): BN013937.D (-1773) (-)





#7

2-Methylnaphthalene

Concen: 0.328 ng/ul

RT: 12.16 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BN013940.D

Acq: 15 Mar 2021 12:56

Instrument :

BNA_N

ClientSampleId :

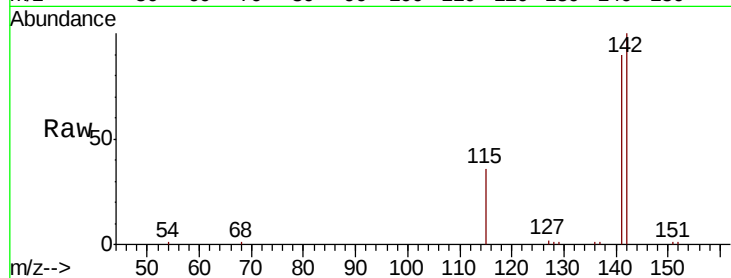
SLCS986

Tot Ion:142 Resp: 8405

Ion Ratio Lower Upper

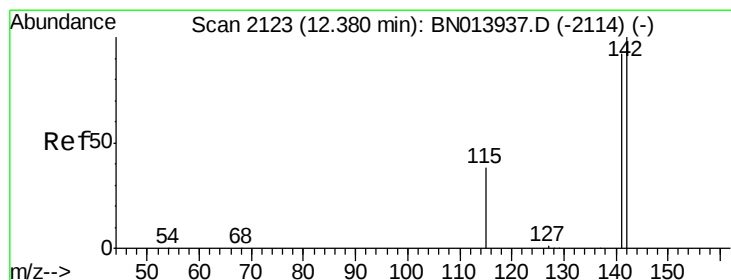
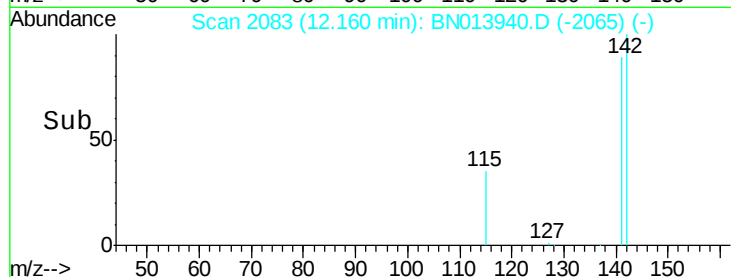
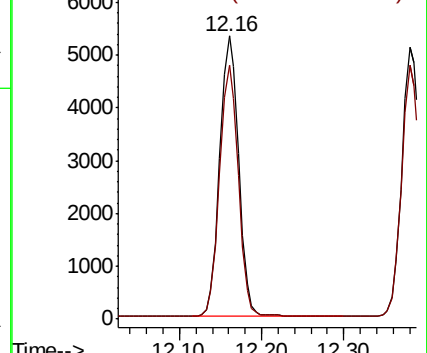
142 100

141 89.0 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.325 ng/ul

RT: 12.38 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BN013940.D

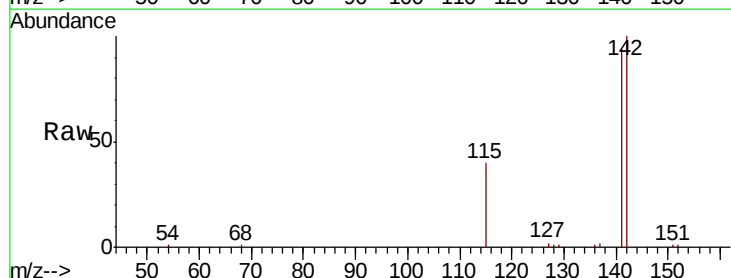
Acq: 15 Mar 2021 12:56

Tgt Ion:142 Resp: 8031

Ion Ratio Lower Upper

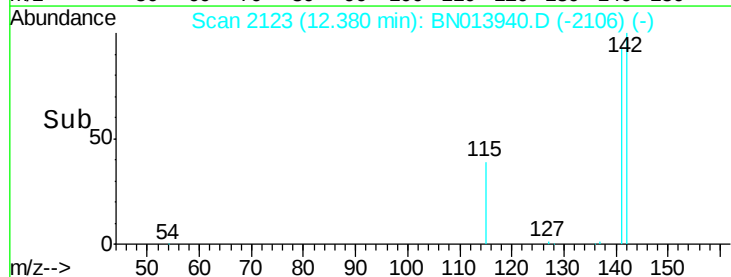
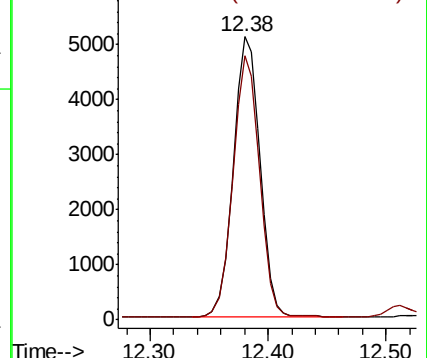
142 100

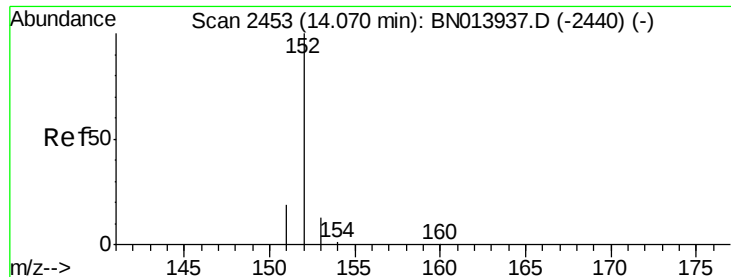
141 92.6 73.5 110.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.308 ng/ul

RT: 14.07 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BN013940.D

Acq: 15 Mar 2021 12:56

Instrument :

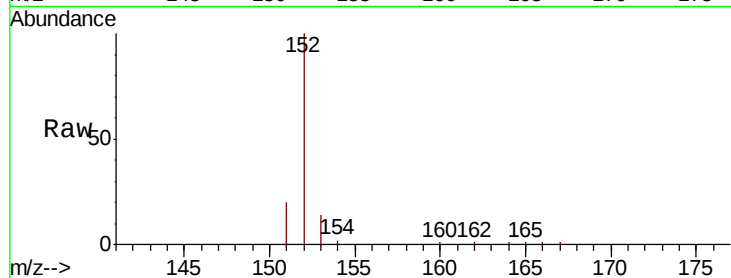
BNA_N

ClientSampleId :

SLCS986

Tot Ion:152 Resp: 8997

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.8	10.9	16.3

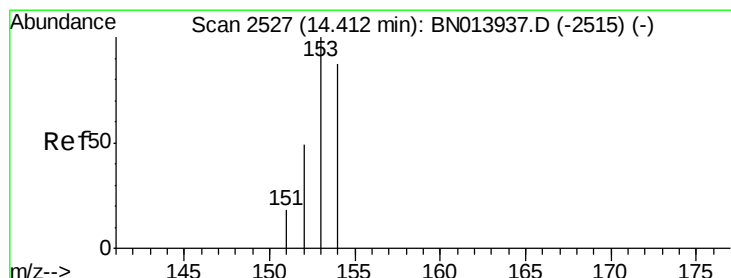
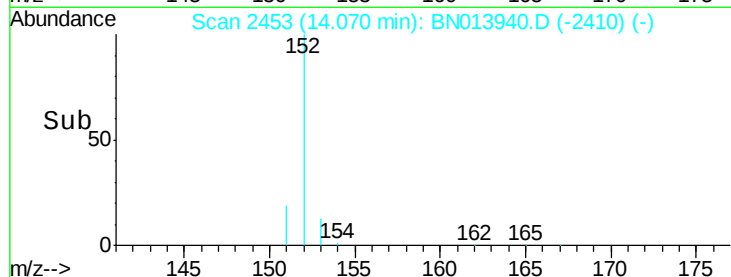
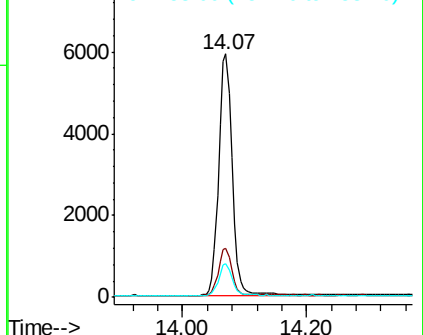


Abundance

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: 0.338 ng/ul

RT: 14.41 min Scan# 2527

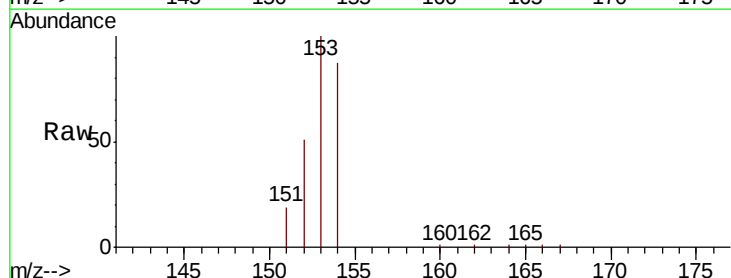
Delta R.T. -0.00 min

Lab File: BN013940.D

Acq: 15 Mar 2021 12:56

Tgt Ion:153 Resp: 8211

Ion	Ratio	Lower	Upper
153	100		
152	50.8	40.5	60.7
154	86.5	69.3	103.9

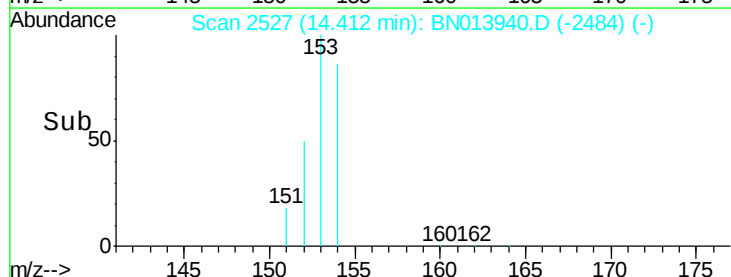
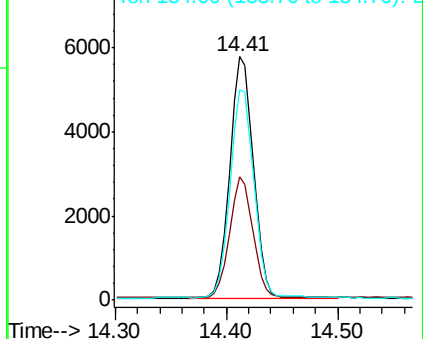


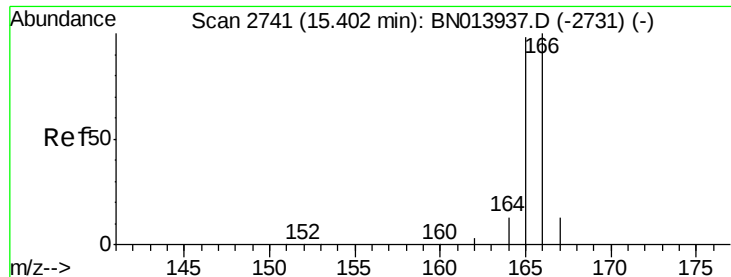
Abundance

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: 0.333 ng/ul

RT: 15.40 min Scan# 2741

Delta R.T. -0.00 min

Lab File: BN013940.D

Acq: 15 Mar 2021 12:56

Instrument :

BNA_N

ClientSampleId :

SLCS986

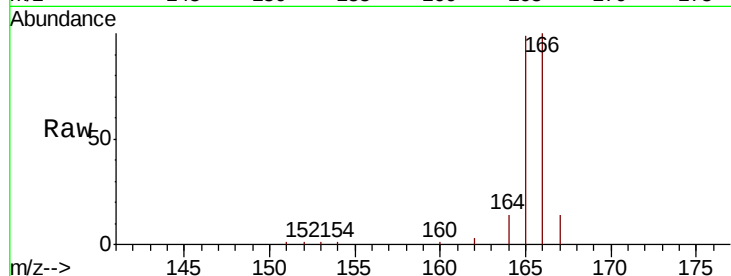
Tot Ion:166 Resp: 9034

Ion Ratio Lower Upper

166 100

165 99.4 78.4 117.6

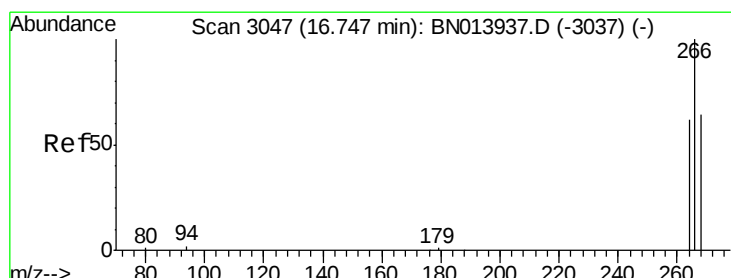
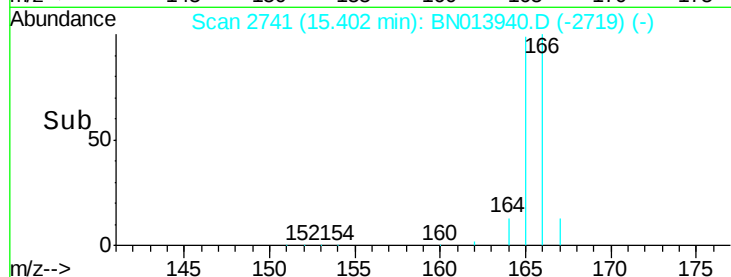
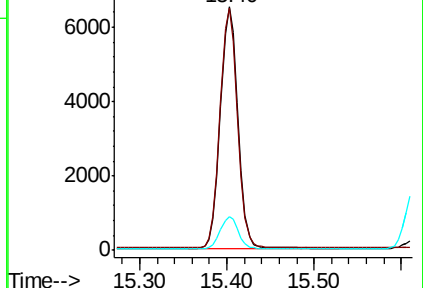
167 14.1 11.0 16.6



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: 0.698 ng/ul

RT: 16.75 min Scan# 3047

Delta R.T. -0.00 min

Lab File: BN013940.D

Acq: 15 Mar 2021 12:56

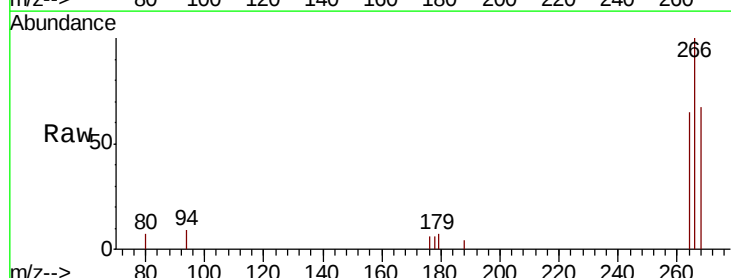
Tgt Ion:266 Resp: 1644

Ion Ratio Lower Upper

266 100

264 63.3 49.2 73.8

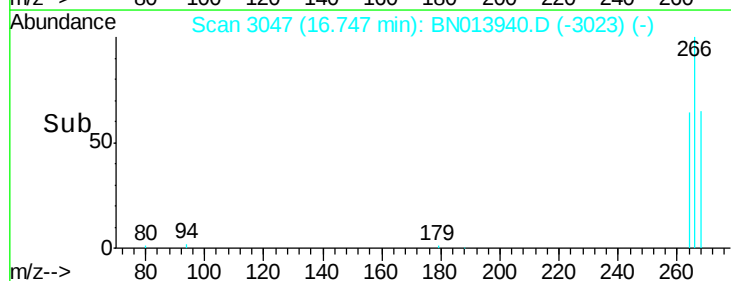
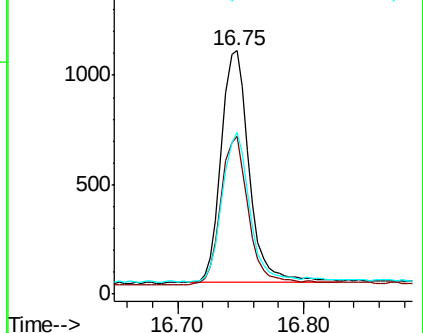
268 63.9 52.3 78.5

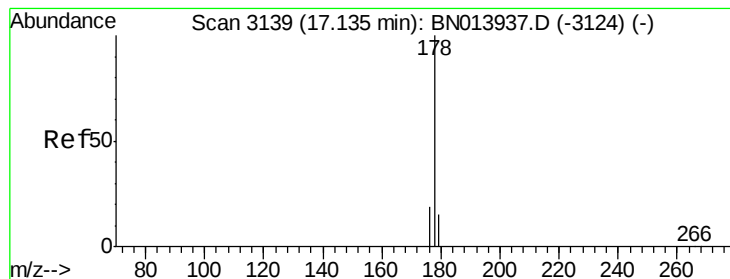


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.336 ng/ul

RT: 17.14 min Scan# 3140

Delta R.T. -0.00 min

Lab File: BN013940.D

Acq: 15 Mar 2021 12:56

Instrument :

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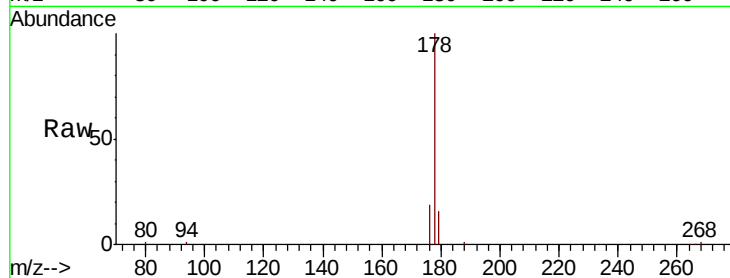
Tot Ion:178 Resp: 15460

Ion Ratio Lower Upper

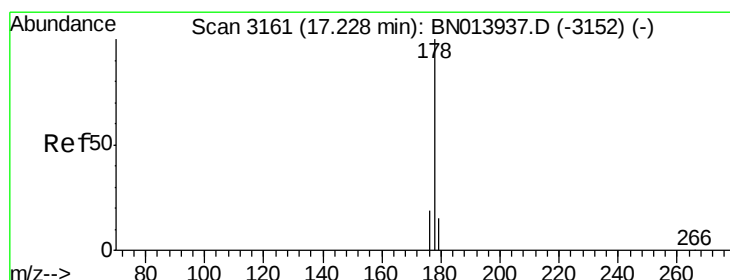
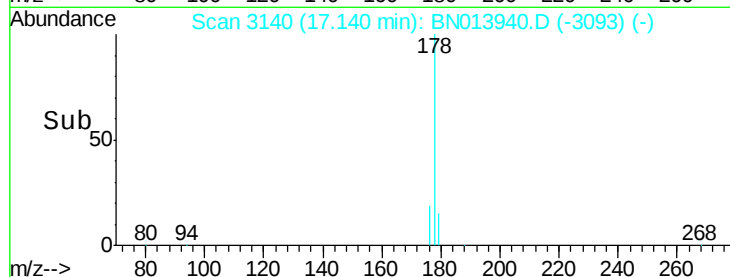
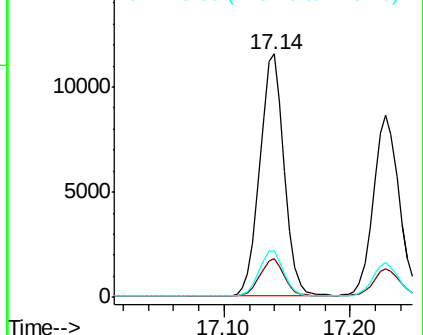
178 100

179 15.9 12.5 18.7

176 19.3 15.3 22.9



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: 0.329 ng/ul

RT: 17.23 min Scan# 3161

Delta R.T. -0.00 min

Lab File: BN013940.D

Acq: 15 Mar 2021 12:56

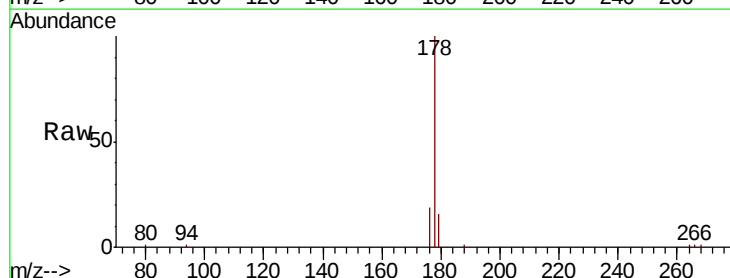
Tgt Ion:178 Resp: 12489

Ion Ratio Lower Upper

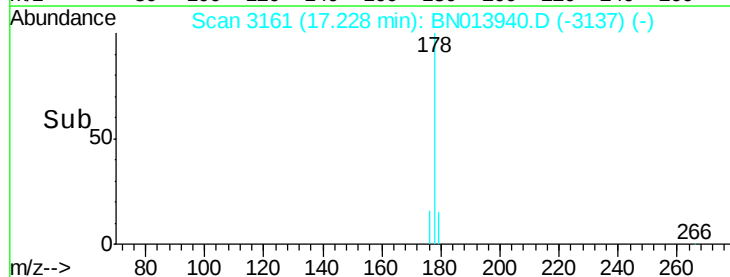
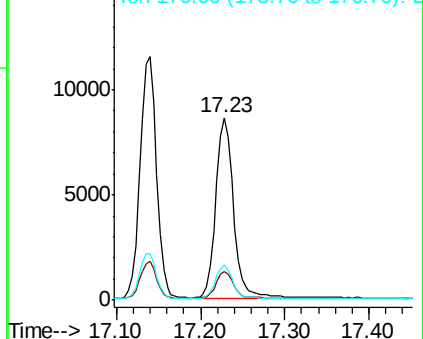
178 100

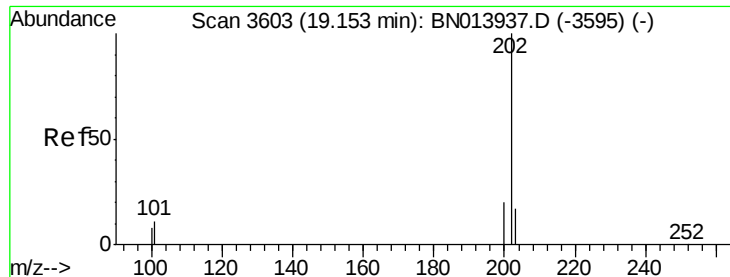
179 16.0 12.6 18.8

176 19.3 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





#19

Fluoranthene

Concen: 0.361 ng/ul

RT: 19.15 min Scan# 3603

Delta R.T. -0.00 min

Lab File: BN013940.D

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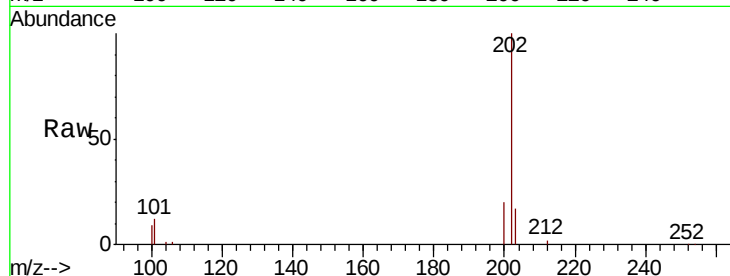
Tot Ion:202 Resp: 16699

Ion Ratio Lower Upper

202 100

101 12.3 9.7 14.5

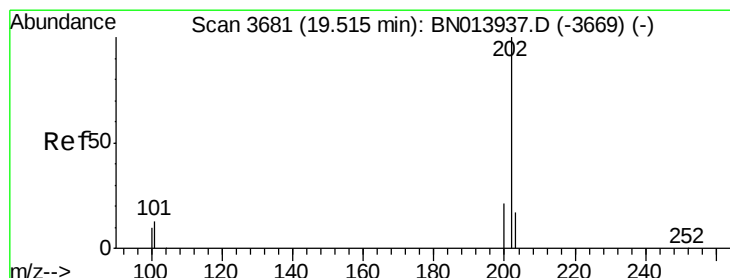
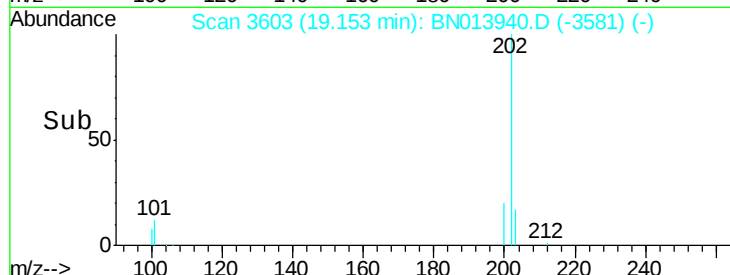
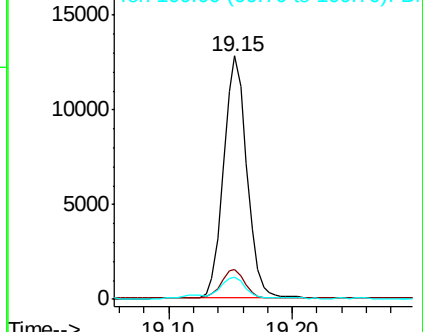
100 8.9 7.4 11.2



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: 0.355 ng/ul

RT: 19.52 min Scan# 3681

Delta R.T. -0.00 min

Lab File: BN013940.D

Acq: 15 Mar 2021 12:56

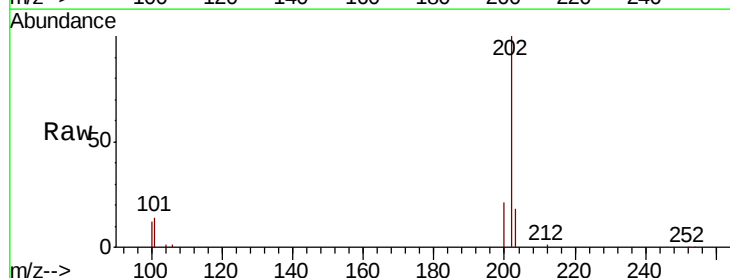
Tgt Ion:202 Resp: 17017

Ion Ratio Lower Upper

202 100

101 14.1 11.0 16.4

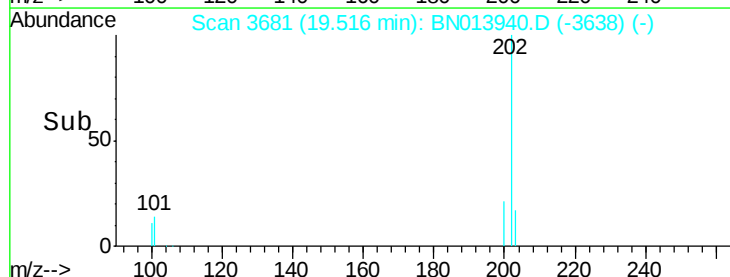
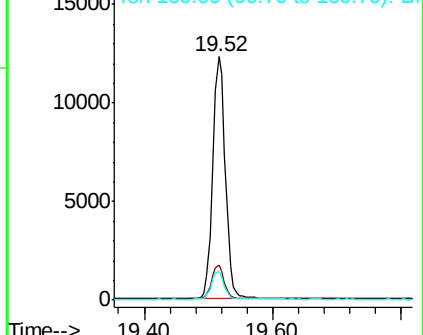
100 11.7 9.0 13.4

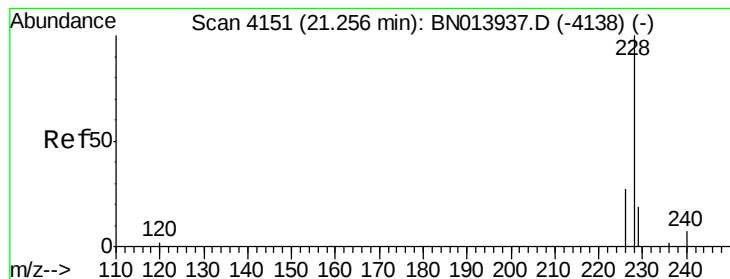


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.333 ng/ul

RT: 21.26 min Scan# 4152

Delta R.T. 0.00 min

Lab File: BN013940.D

Acq: 15 Mar 2021 12:56

Instrument :

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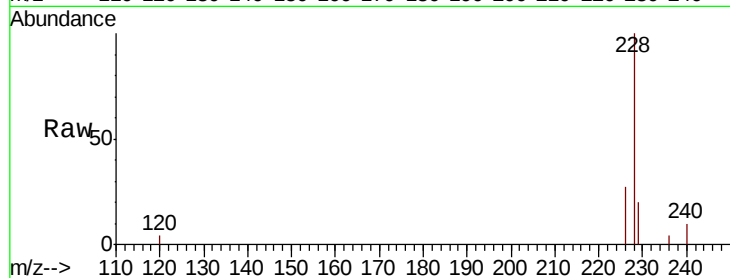
Tot Ion:228 Resp: 13646

Ion Ratio Lower Upper

228 100

229 19.6 15.5 23.3

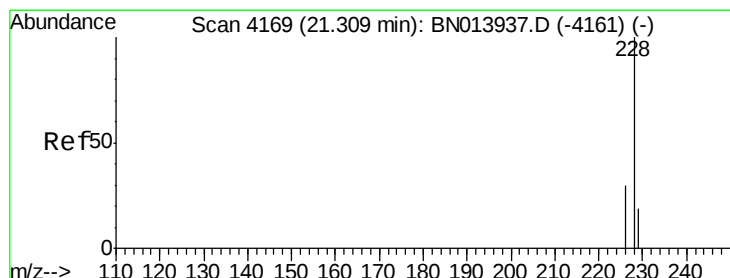
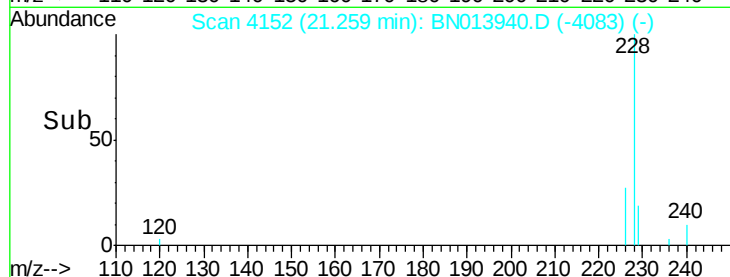
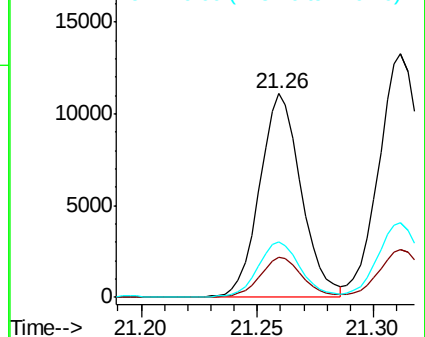
226 27.5 21.5 32.3



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: 0.371 ng/ul

RT: 21.31 min Scan# 4170

Delta R.T. 0.00 min

Lab File: BN013940.D

Acq: 15 Mar 2021 12:56

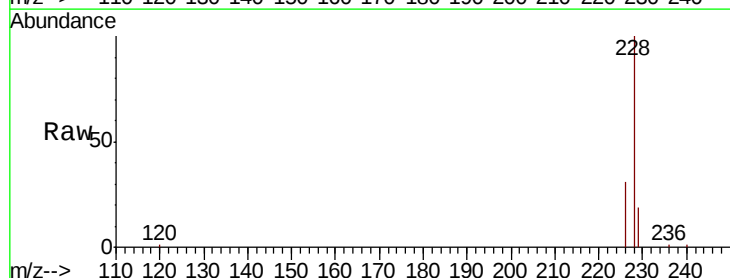
Tgt Ion:228 Resp: 16809

Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

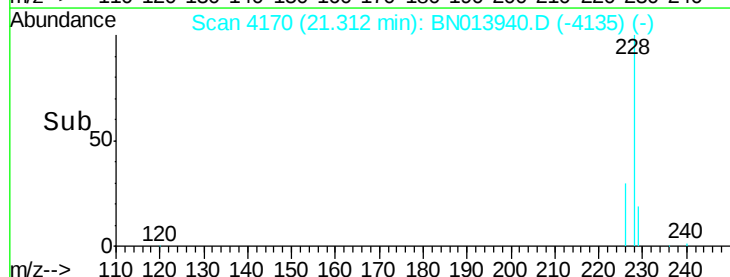
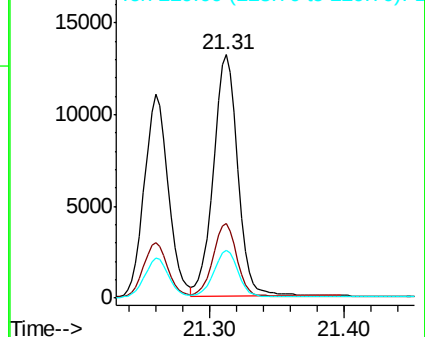
229 19.5 15.8 23.8

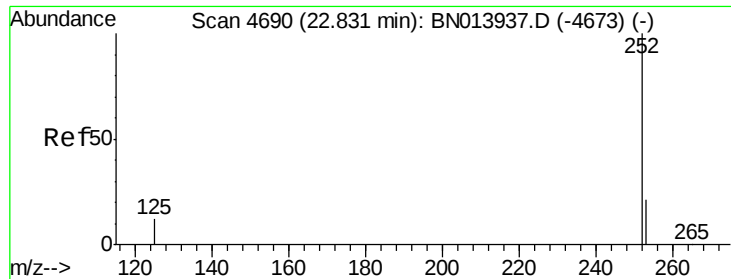


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 0.358 ng/ul

RT: 22.84 min Scan# 4692

Delta R.T. 0.01 min

Lab File: BN013940.D

Acq: 15 Mar 2021 12:56

Instrument :

BNA_N

ClientSampleId :

SLCS986

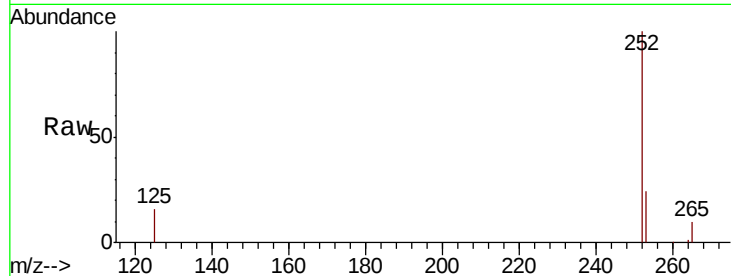
Tot Ion:252 Resp: 17392

Ion Ratio Lower Upper

252 100

253 24.4 0.0 47.4

125 15.7 0.0 27.8

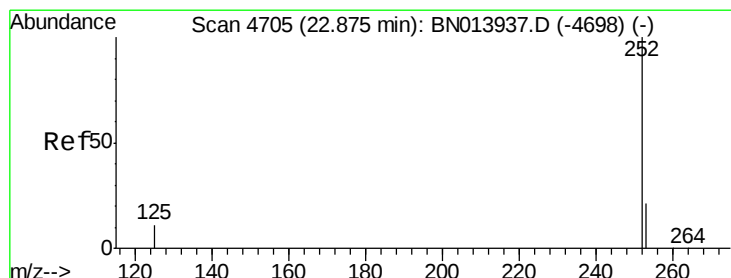
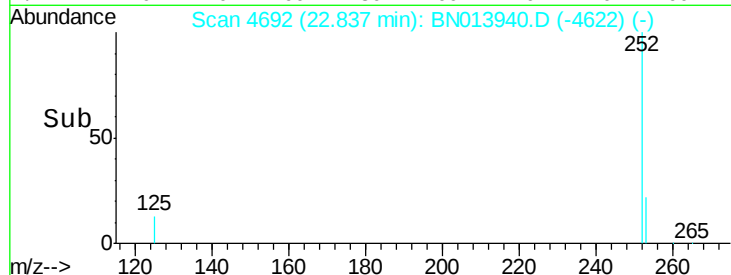
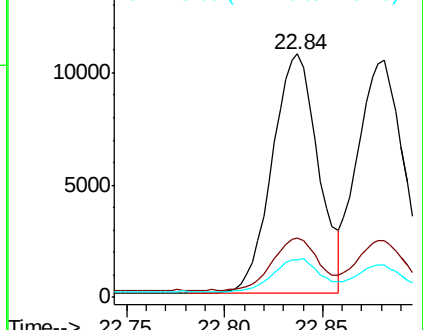


Abundance

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: 0.362 ng/ul

RT: 22.88 min Scan# 4707

Delta R.T. 0.01 min

Lab File: BN013940.D

Acq: 15 Mar 2021 12:56

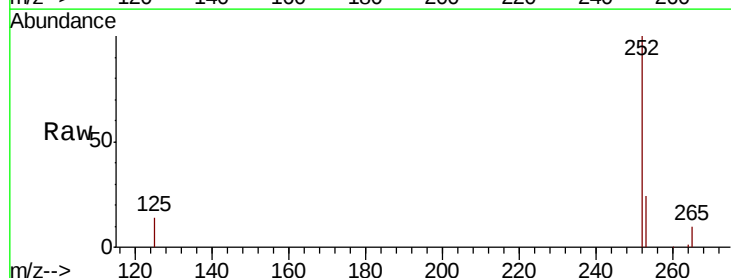
Tgt Ion:252 Resp: 17738

Ion Ratio Lower Upper

252 100

253 24.1 19.0 28.6

125 13.6 10.5 15.7

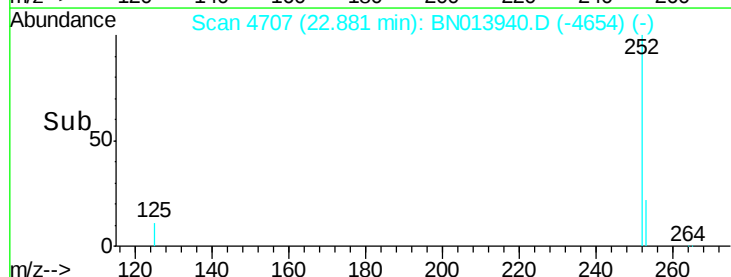
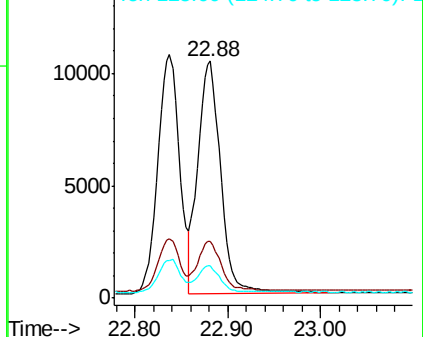


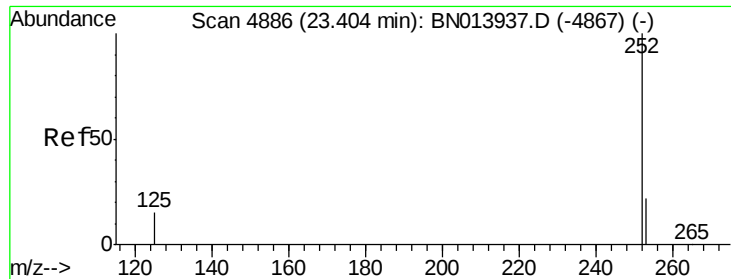
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.370 ng/u1

RT: 23.41 min Scan# 4887

Delta R.T. 0.01 min

Lab File: BN013940.D

Acq: 15 Mar 2021 12:56

Instrument :

BNA_N

ClientSampleId :

SLCS986

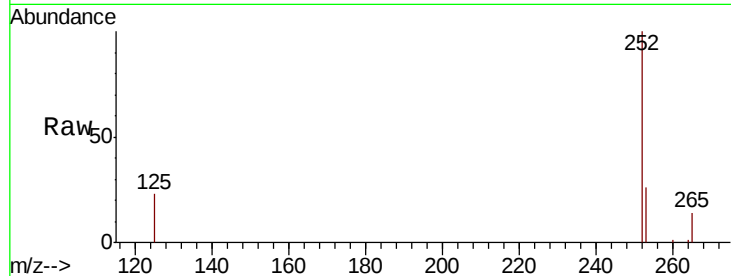
Tot Ion:252 Resp: 14540

Ion Ratio Lower Upper

252 100

253 25.7 19.8 29.6

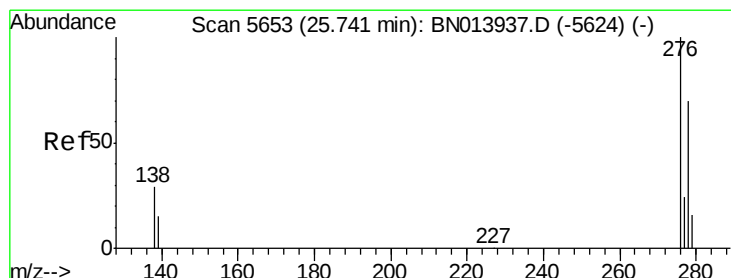
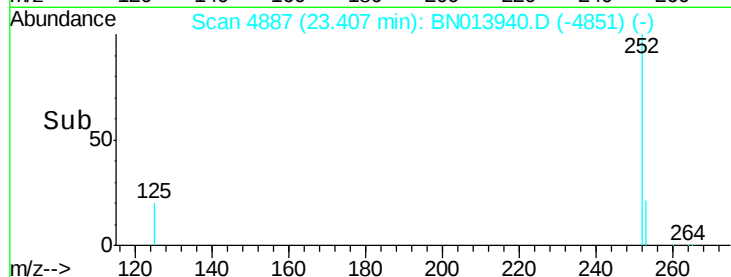
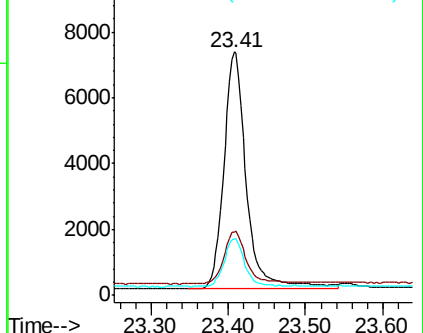
125 23.3 13.7 20.5#



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: 0.384 ng/u1

RT: 25.74 min Scan# 5654

Delta R.T. 0.01 min

Lab File: BN013940.D

Acq: 15 Mar 2021 12:56

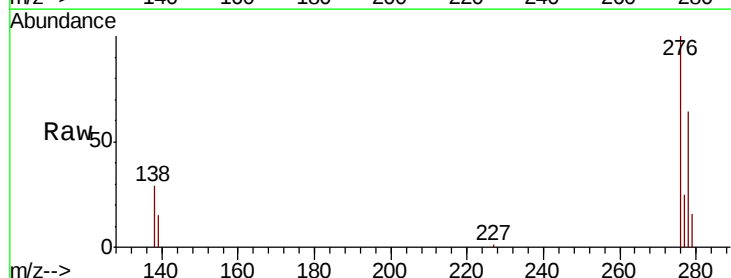
Tgt Ion:276 Resp: 20062

Ion Ratio Lower Upper

276 100

138 29.3 23.4 35.0

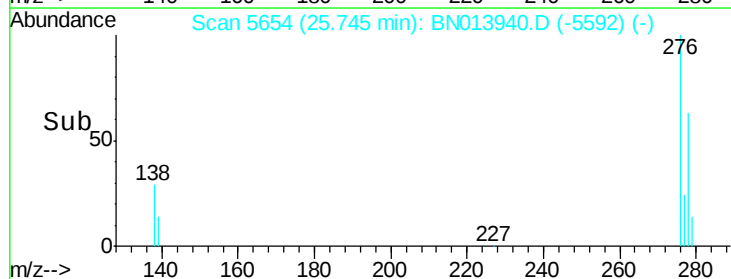
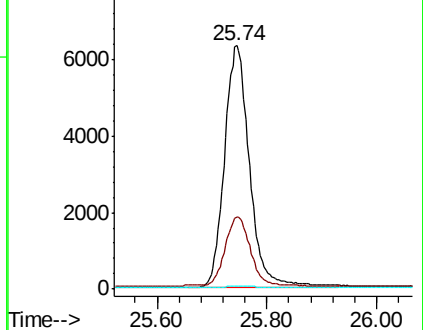
227 0.3 0.0 0.0#

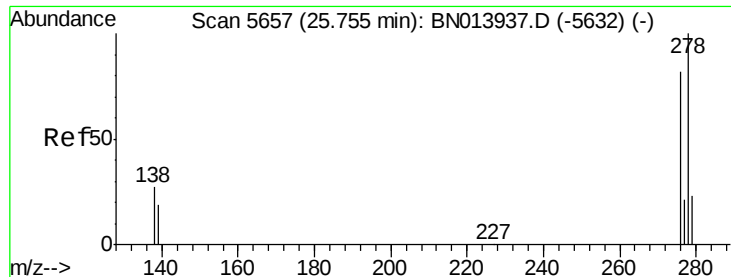


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.381 ng/ul

RT: 25.76 min Scan# 5659

Delta R.T. 0.01 min

Lab File: BN013940.D

Acq: 15 Mar 2021 12:56

Instrument :

BNA_N

ClientSampleId :

SLCS986

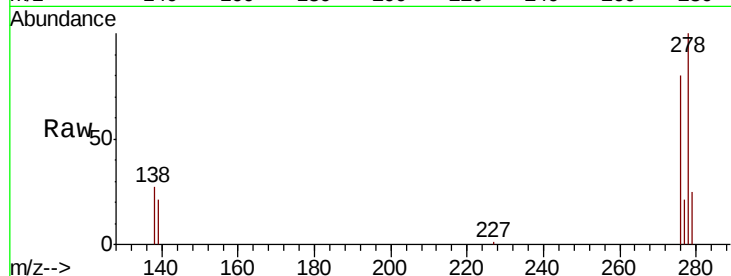
Tot Ion:278 Resp: 16031

Ion Ratio Lower Upper

278 100

139 20.8 16.3 24.5

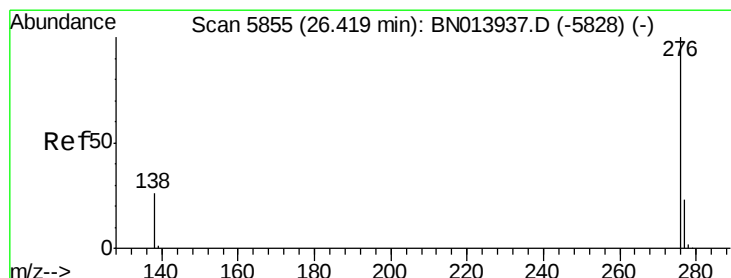
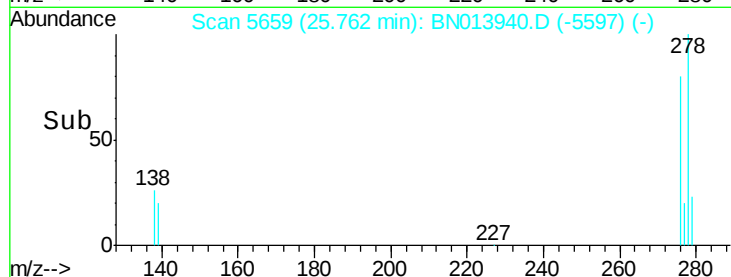
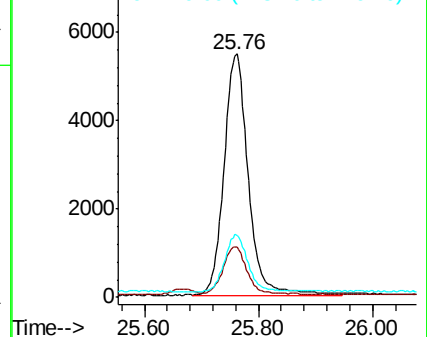
279 25.3 20.1 30.1



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: 0.374 ng/ul

RT: 26.43 min Scan# 5858

Delta R.T. 0.00 min

Lab File: BN013940.D

Acq: 15 Mar 2021 12:56

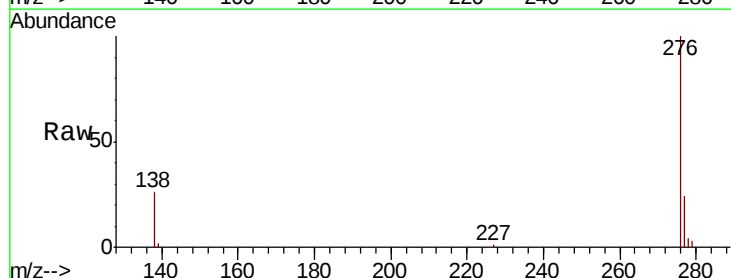
Tgt Ion:276 Resp: 17403

Ion Ratio Lower Upper

276 100

138 26.4 20.8 31.2

277 24.3 19.4 29.2



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

