

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051421\
 Data File : BN014641.D
 Acq On : 15 May 2021 09:47
 Operator : CG/JU
 Sample : PB136433BS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS433

Quant Time: May 15 10:53:57 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 15:50:11 2021
 Response via : Initial Calibration

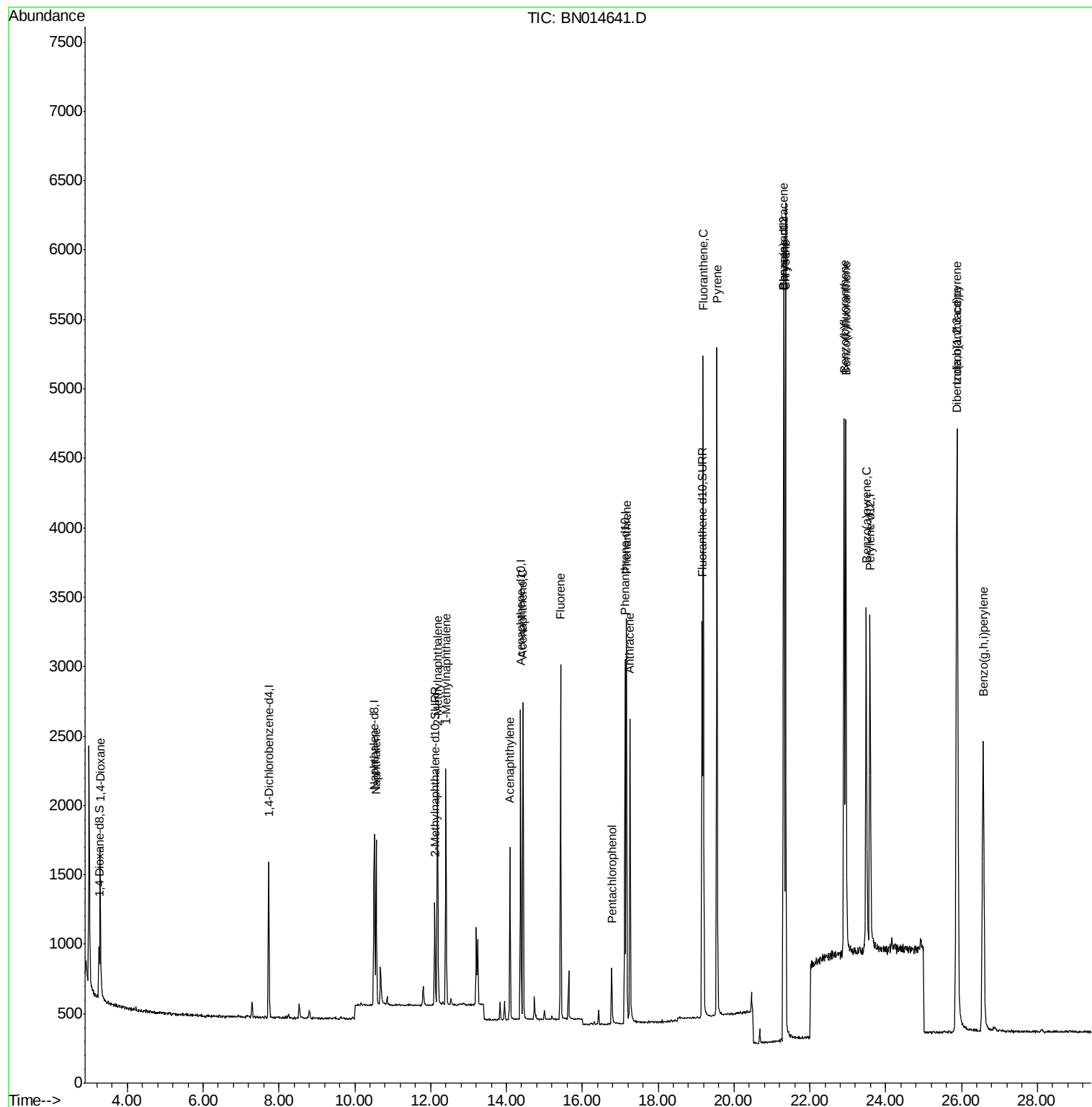
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	553	0.40	ng/ul	0.00
4) Naphthalene-d8	10.51	136	1729	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.37	164	1223	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.13	188	3069	0.40	ng/ul	0.00
17) Chrysene-d12	21.32	240	3740	0.40	ng/ul	0.00
23) Perylene-d12	23.59	264	3283	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.25	96	334	0.59	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.11	152	993	0.33	ng/ul	0.00
18) Fluoranthene-d10	19.16	212	3452	0.37	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.28	88	931	1.570	ng/ul#	85
5) Naphthalene	10.56	128	1642	0.327	ng/ul	96
7) 2-Methylnaphthalene	12.18	142	1165	0.323	ng/ul	99
8) 1-Methylnaphthalene	12.41	142	1122	0.321	ng/ul	97
10) Acenaphthylene	14.09	152	1416	0.320	ng/ul	97
11) Acenaphthene	14.43	153	1349	0.320	ng/ul	97
12) Fluorene	15.43	166	1628	0.315	ng/ul	96
14) Pentachlorophenol	16.78	266	301	0.697	ng/ul	91
15) Phenanthrene	17.17	178	3086	0.323	ng/ul	99
16) Anthracene	17.26	178	2494	0.335	ng/ul	99
19) Fluoranthene	19.19	202	4088	0.352	ng/ul	99
20) Pyrene	19.55	202	4176	0.355	ng/ul	99
21) Benzo(a)anthracene	21.30	228	4161	0.352	ng/ul	99
22) Chrysene	21.36	228	5099	0.377	ng/ul	97
24) Benzo(b)fluoranthene	22.90	252	5146	0.357	ng/ul	98
25) Benzo(k)fluoranthene	22.95	252	5307	0.349	ng/ul	99
26) Benzo(a)pyrene	23.49	252	4089	0.371	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	25.87	276	5962	0.380	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.89	278	4799	0.381	ng/ul	98
29) Benzo(g,h,i)perylene	26.57	276	5048	0.377	ng/ul	99

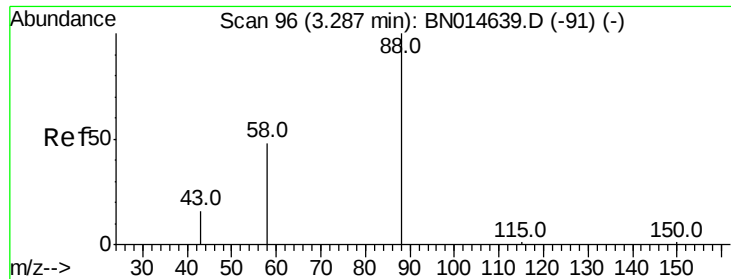
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.570 ng/ul

RT: 3.28 min Scan# 95

Delta R.T. -0.00 min

Lab File: BN014641.D

Acq: 15 May 2021 09:47

Instrument :

BNA_N

ClientSampleId :

SLCS433

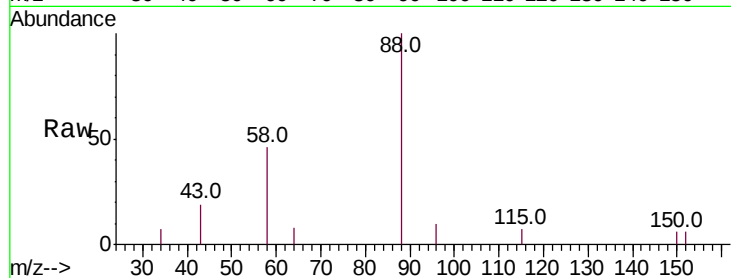
Tot Ion: 88 Resp: 931

Ion Ratio Lower Upper

88 100

43 19.3 22.5 33.7#

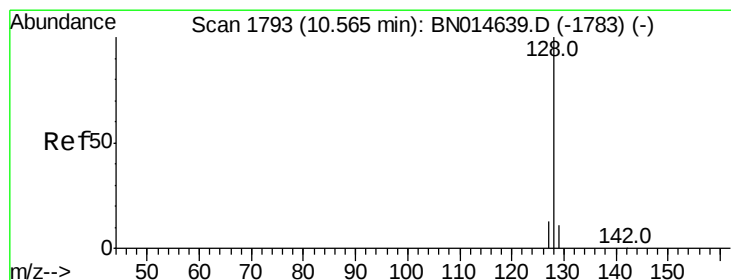
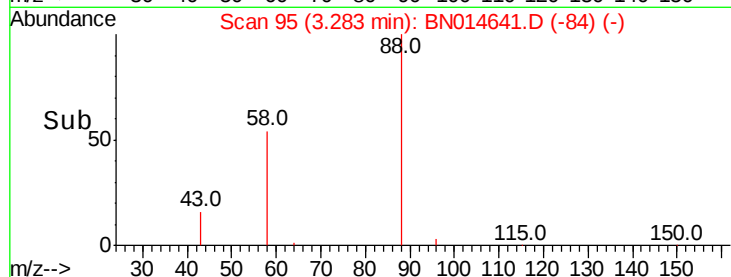
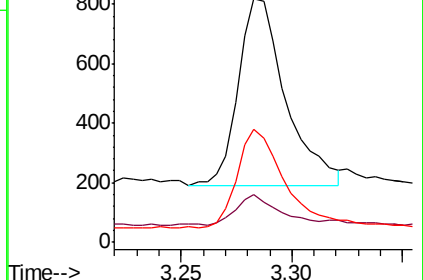
58 46.2 30.4 45.6#



Abundance Ion 88.00 (87.70 to 88.70): BN014639.D (-91) (-)

Ion 43.00 (42.70 to 43.70): BN014639.D (-91) (-)

Ion 58.00 (57.70 to 58.70): BN014639.D (-91) (-)



#5

Naphthalene

Concen: 0.327 ng/ul

RT: 10.56 min Scan# 1793

Delta R.T. -0.00 min

Lab File: BN014641.D

Acq: 15 May 2021 09:47

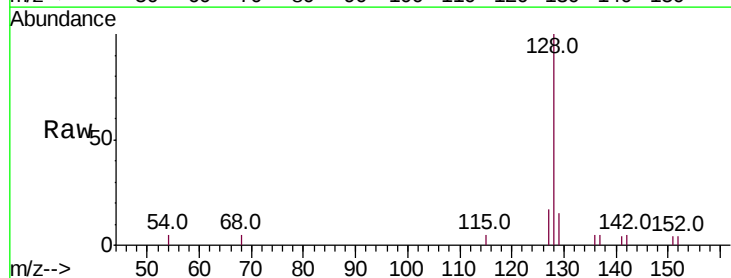
Tgt Ion: 128 Resp: 1642

Ion Ratio Lower Upper

128 100

129 15.0 10.9 16.3

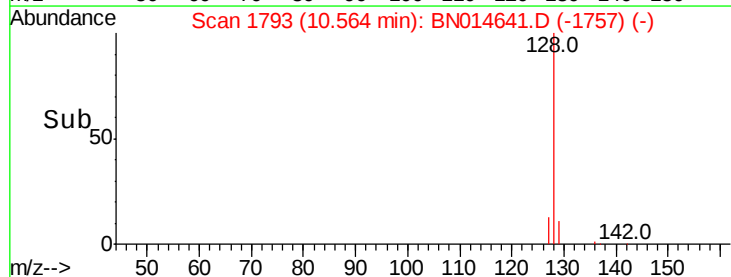
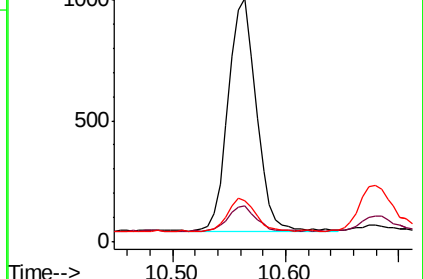
127 17.2 15.7 23.5

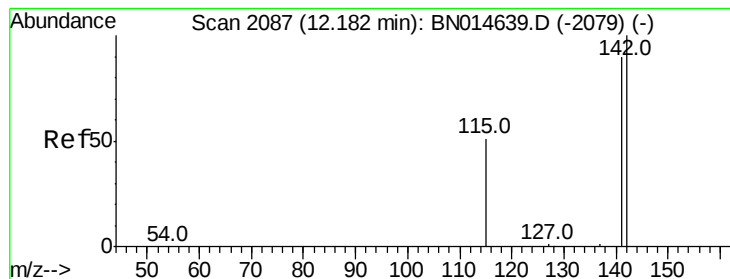


Abundance Ion 128.00 (127.70 to 128.70): BN014639.D (-1783) (-)

Ion 129.00 (128.70 to 129.70): BN014639.D (-1783) (-)

Ion 127.00 (126.70 to 127.70): BN014639.D (-1783) (-)





#7

2-Methylnaphthalene

Concen: 0.323 ng/ul

RT: 12.18 min Scan# 2087

Delta R.T. -0.00 min

Lab File: BN014641.D

Acq: 15 May 2021 09:47

Instrument :

BNA_N

ClientSampleId :

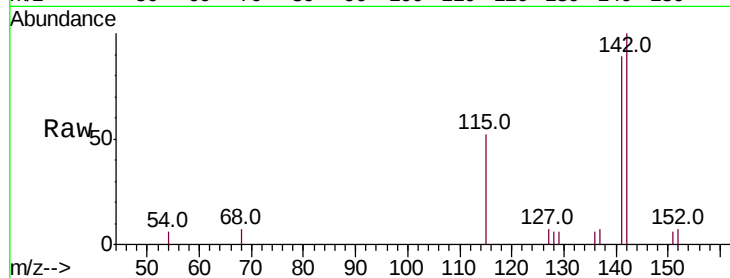
SLCS433

Tot Ion:142 Resp: 1165

Ion Ratio Lower Upper

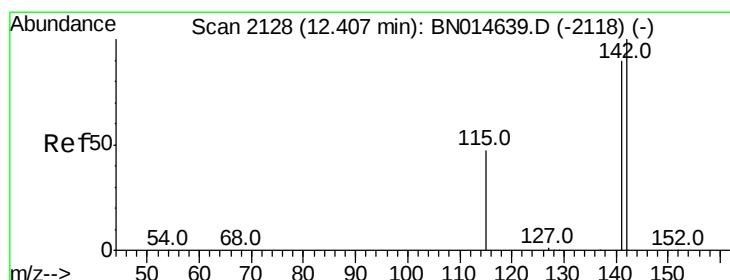
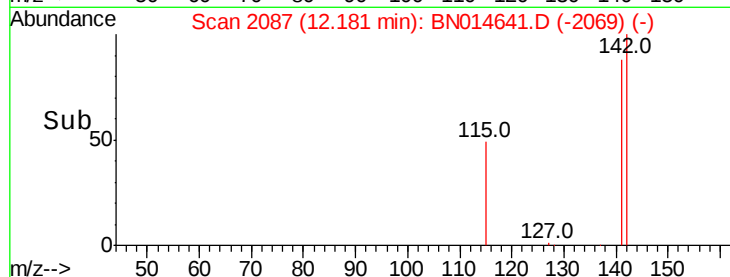
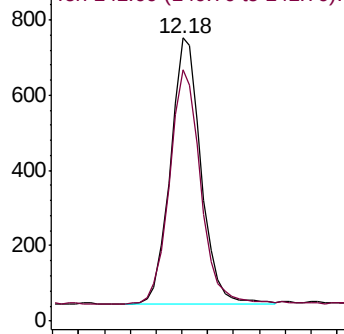
142 100

141 89.0 70.2 105.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#8

1-Methylnaphthalene

Concen: 0.321 ng/ul

RT: 12.41 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BN014641.D

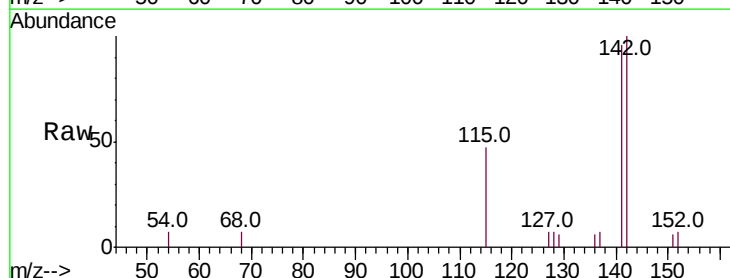
Acq: 15 May 2021 09:47

Tgt Ion:142 Resp: 1122

Ion Ratio Lower Upper

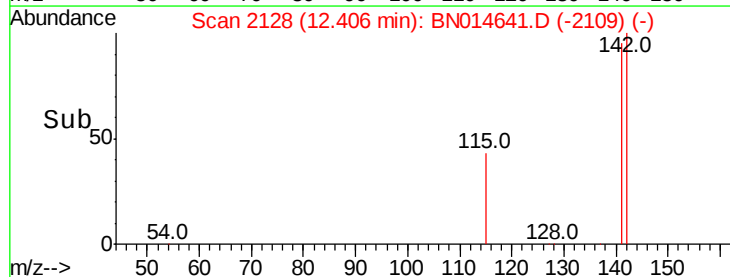
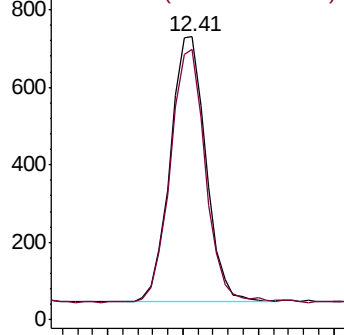
142 100

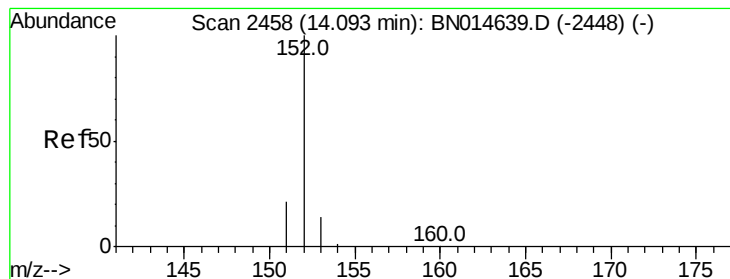
141 95.2 73.9 110.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.320 ng/ul

RT: 14.09 min Scan# 2458

Delta R.T. -0.00 min

Lab File: BN014641.D

Acq: 15 May 2021 09:47

Instrument :

BNA_N

ClientSampleId :

SLCS433

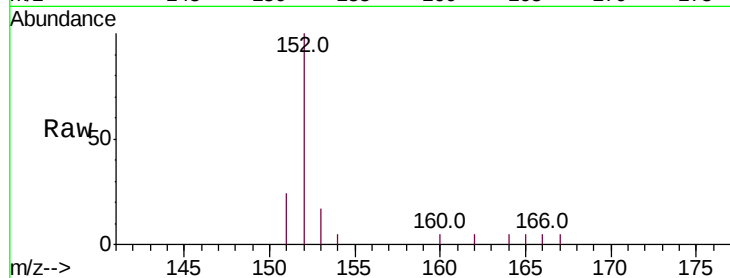
Tot Ion:152 Resp: 1416

Ion Ratio Lower Upper

152 100

151 23.6 20.2 30.4

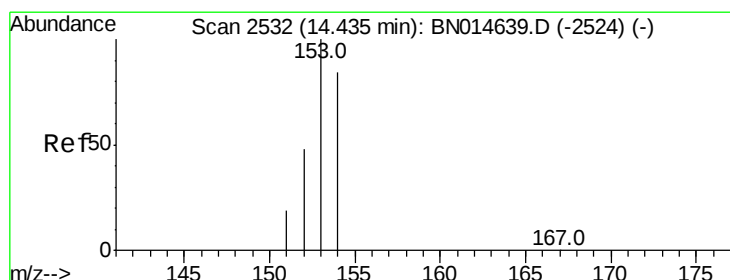
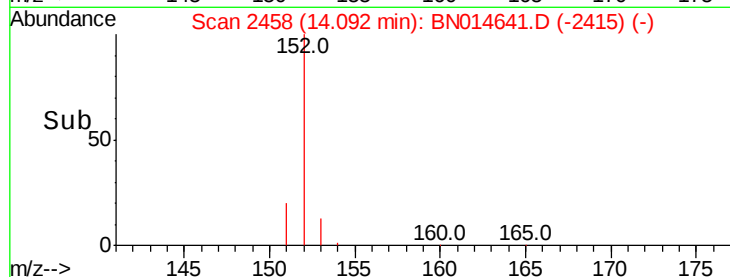
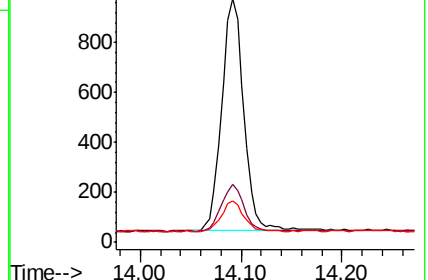
153 17.0 14.2 21.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#11

Acenaphthene

Concen: 0.320 ng/ul

RT: 14.43 min Scan# 2532

Delta R.T. -0.01 min

Lab File: BN014641.D

Acq: 15 May 2021 09:47

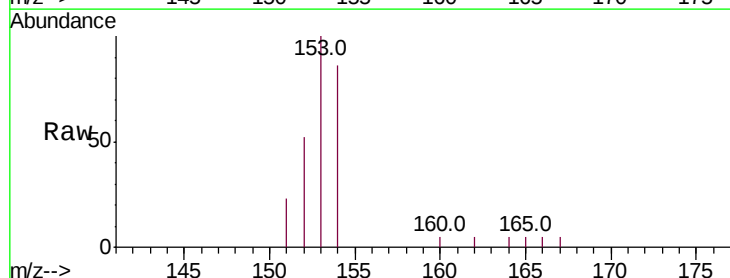
Tgt Ion:153 Resp: 1349

Ion Ratio Lower Upper

153 100

152 51.6 39.7 59.5

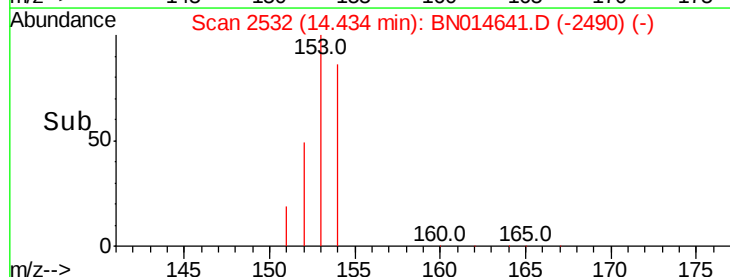
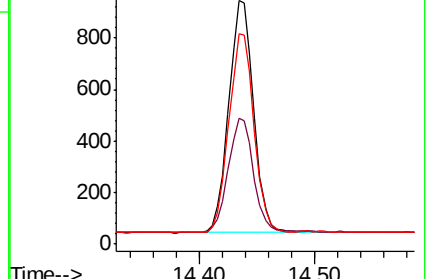
154 86.2 71.0 106.4

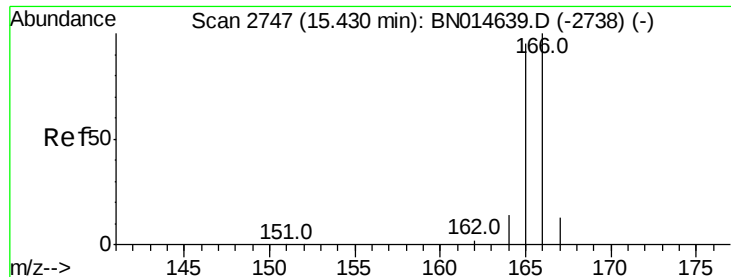


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.315 ng/ul

RT: 15.43 min Scan# 2747

Delta R.T. -0.00 min

Lab File: BN014641.D

Acq: 15 May 2021 09:47

Instrument :

BNA_N

ClientSampleId :

SLCS433

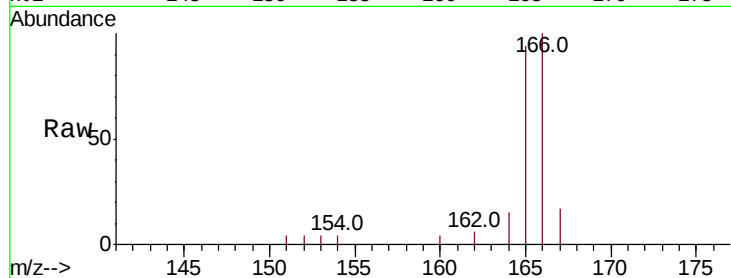
Tot Ion:166 Resp: 1628

Ion Ratio Lower Upper

166 100

165 94.4 79.3 118.9

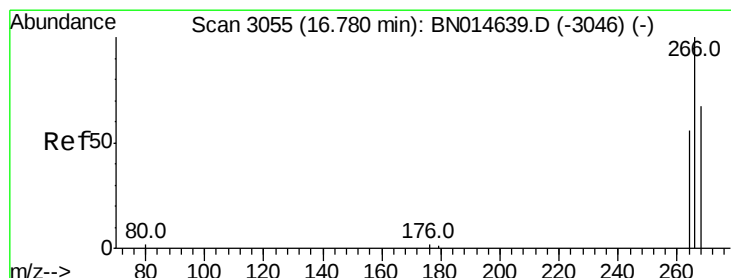
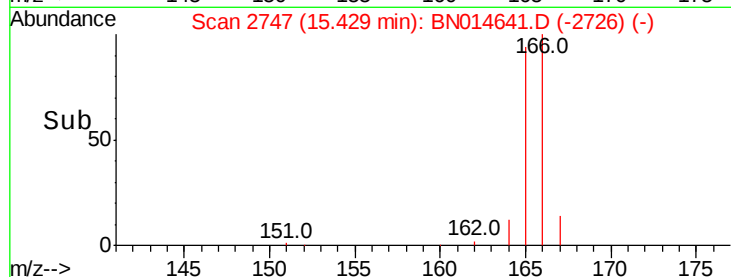
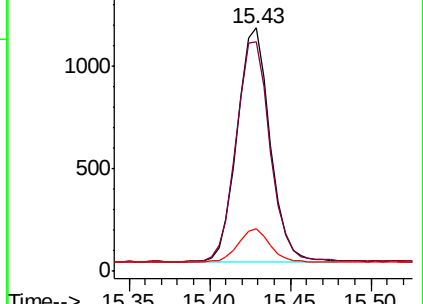
167 17.5 13.8 20.6



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: 0.697 ng/ul

RT: 16.78 min Scan# 3054

Delta R.T. -0.00 min

Lab File: BN014641.D

Acq: 15 May 2021 09:47

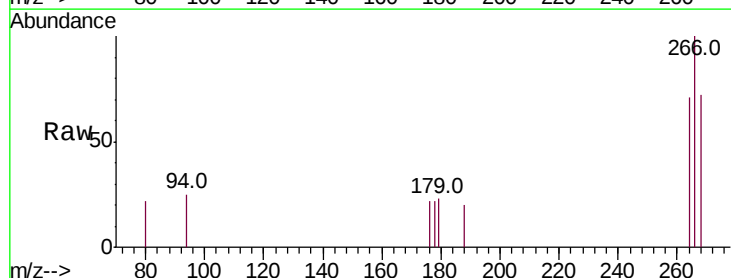
Tgt Ion:266 Resp: 301

Ion Ratio Lower Upper

266 100

264 62.1 52.9 79.3

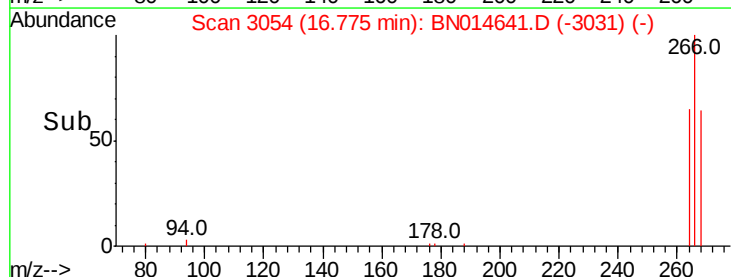
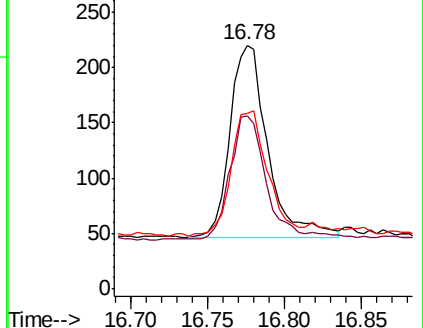
268 62.8 59.4 89.0

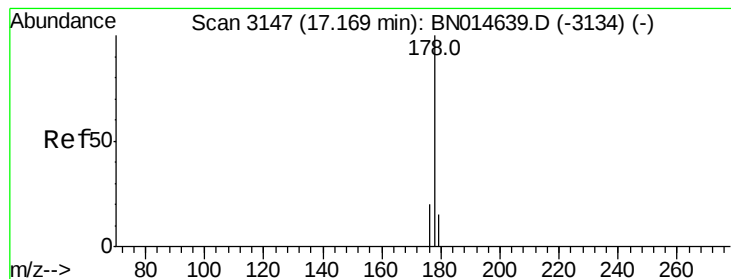


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.323 ng/ul

RT: 17.17 min Scan# 3147

Delta R.T. -0.00 min

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Acq: 15 May 2021 09:47

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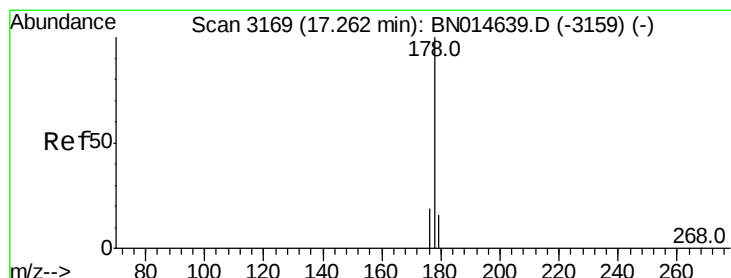
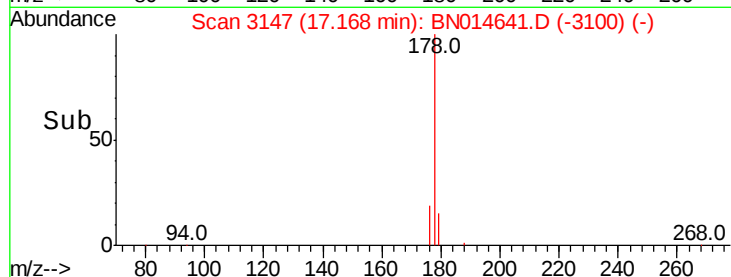
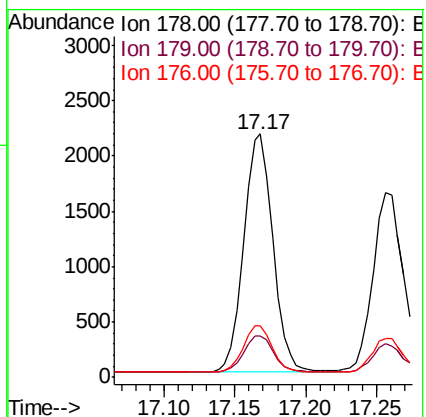
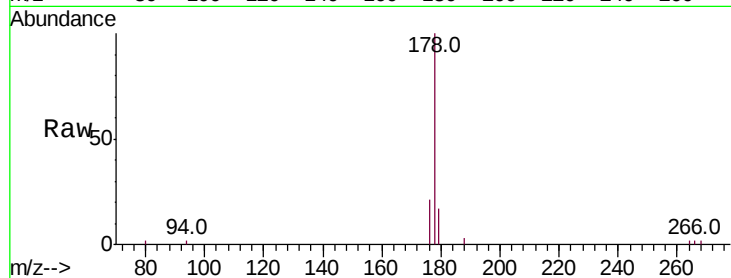
Tot Ion:178 Resp: 3086

Ion Ratio Lower Upper

178 100

179 17.0 13.8 20.6

176 21.1 16.2 24.4



#16

Anthracene

Concen: 0.335 ng/ul

RT: 17.26 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BN014641.D

Acq: 15 May 2021 09:47

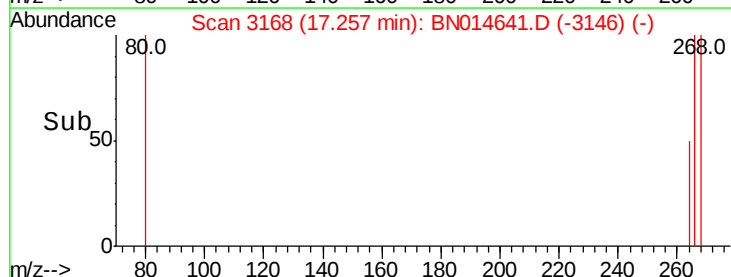
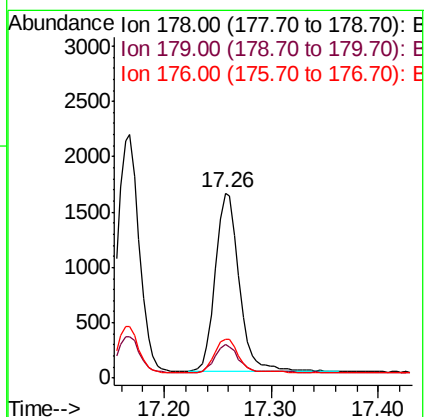
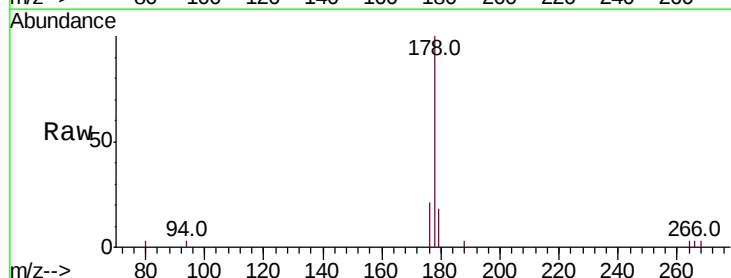
Tgt Ion:178 Resp: 2494

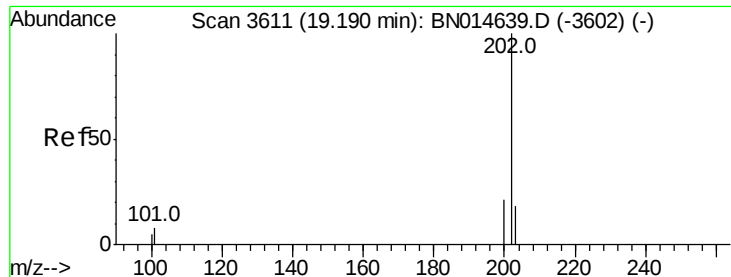
Ion Ratio Lower Upper

178 100

179 18.0 14.3 21.5

176 20.8 17.1 25.7





#19

Fluoranthene

Concen: 0.352 ng/ul

RT: 19.19 min Scan# 3611

Delta R.T. -0.00 min

Lab File: BN014641.D

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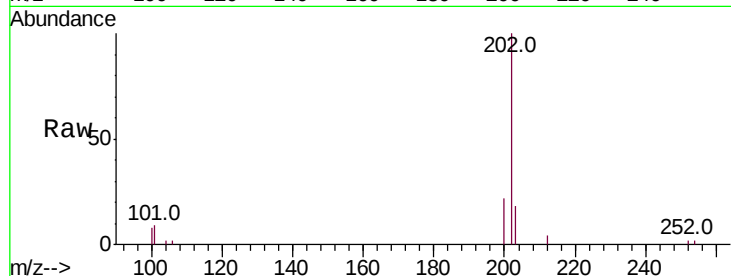
Tot Ion:202 Resp: 4088

Ion Ratio Lower Upper

202 100

101 9.5 7.6 11.4

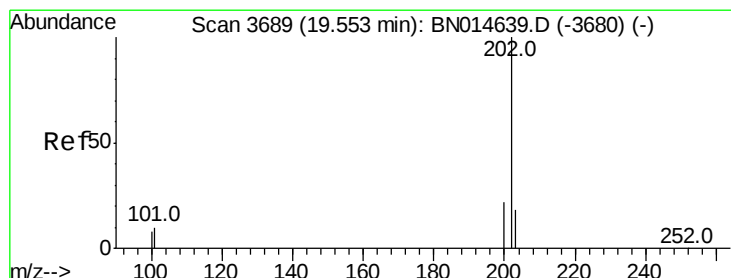
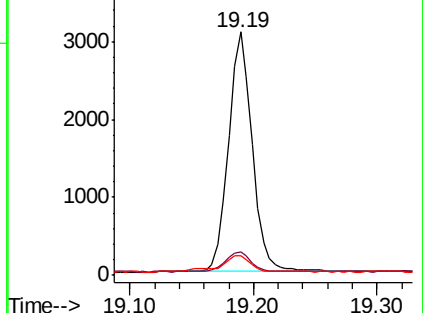
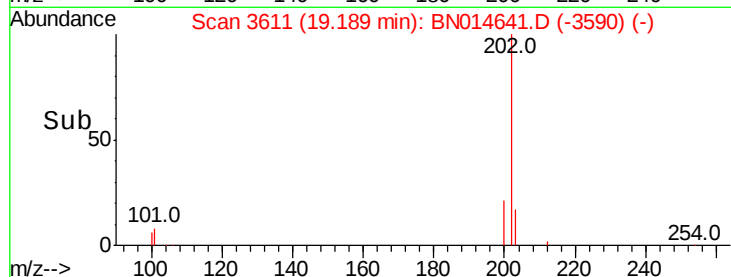
100 7.8 5.9 8.9



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: 19.55 min Scan# 3689

Delta R.T. -0.01 min

Lab File: BN014641.D

Acq: 15 May 2021 09:47

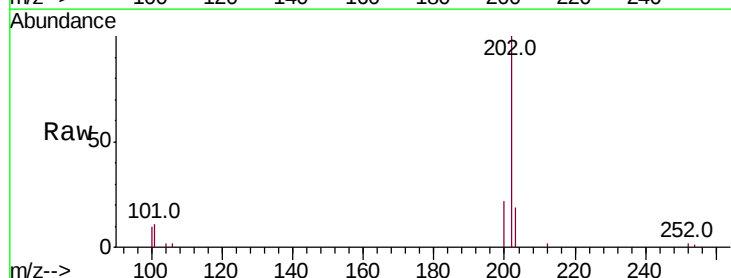
Tgt Ion:202 Resp: 4176

Ion Ratio Lower Upper

202 100

101 10.9 8.5 12.7

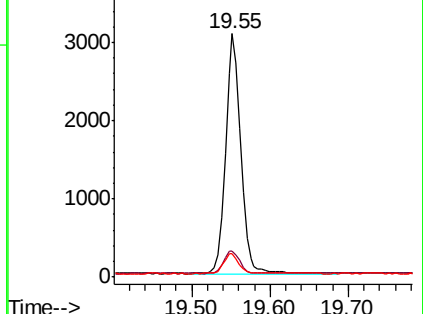
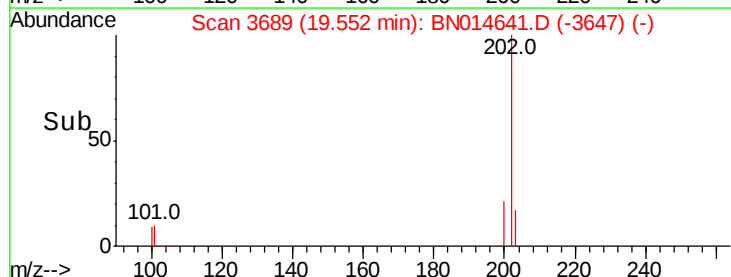
100 9.9 7.4 11.2

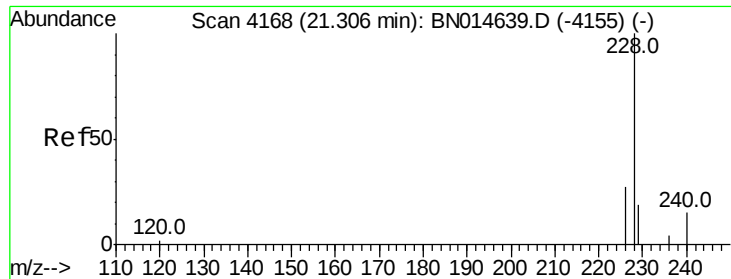


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.352 ng/ul

RT: 21.30 min Scan# 4168

Delta R.T. -0.00 min

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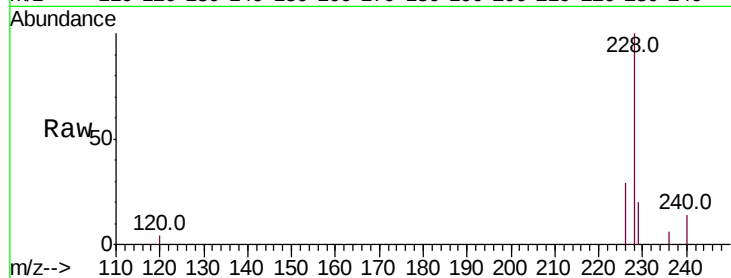
Tot Ion:228 Resp: 4161

Ion Ratio Lower Upper

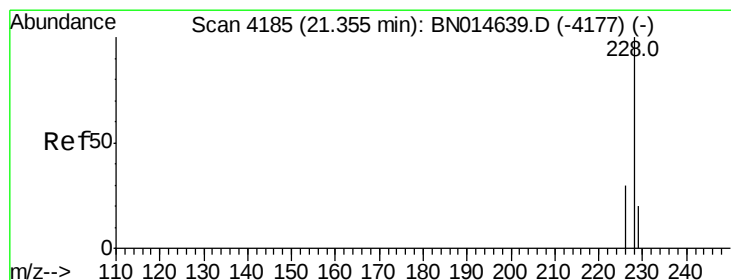
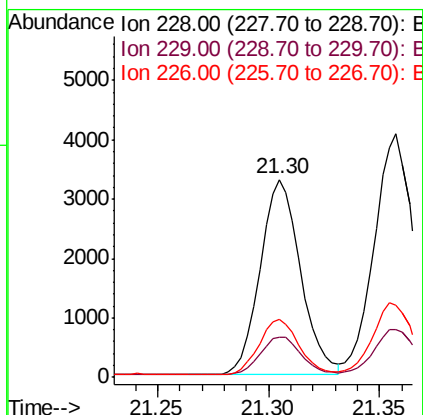
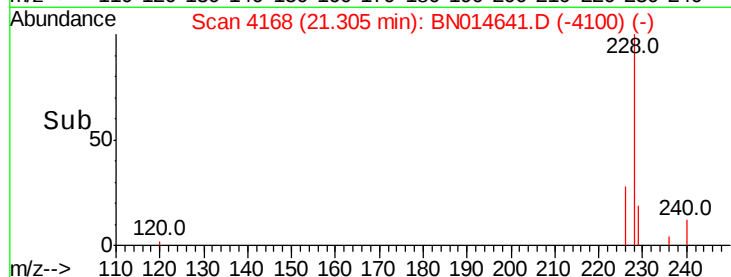
228 100

229 20.4 16.3 24.5

226 29.1 22.6 33.8



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: 0.377 ng/ul

RT: 21.36 min Scan# 4186

Delta R.T. -0.00 min

Lab File: BN014641.D

Acq: 15 May 2021 09:47

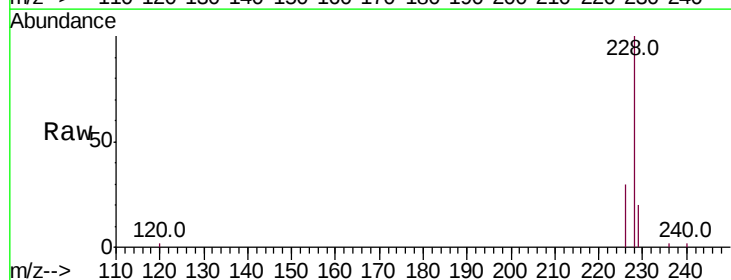
Tgt Ion:228 Resp: 5099

Ion Ratio Lower Upper

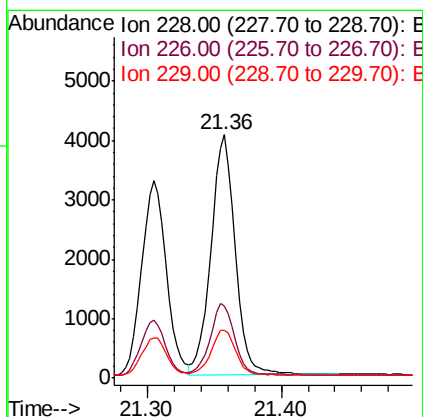
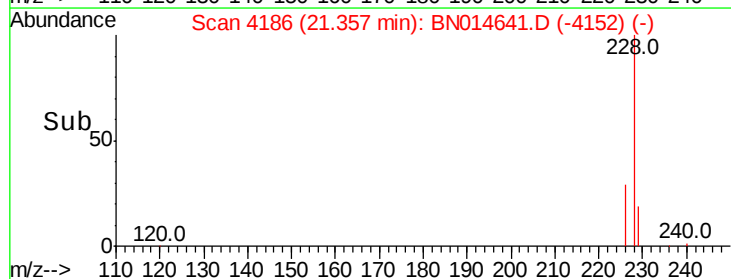
228 100

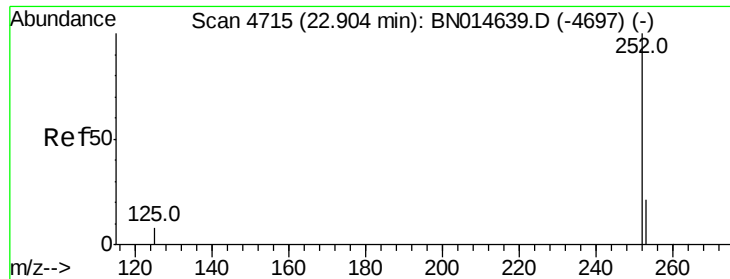
226 29.9 25.3 37.9

229 19.5 16.2 24.4



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: 0.357 ng/ul

RT: 22.90 min Scan# 4715

Delta R.T. -0.00 min

Lab File: BN014641.D

Acq: 15 May 2021 09:47

Instrument :

BNA_N

ClientSampleId :

SLCS433

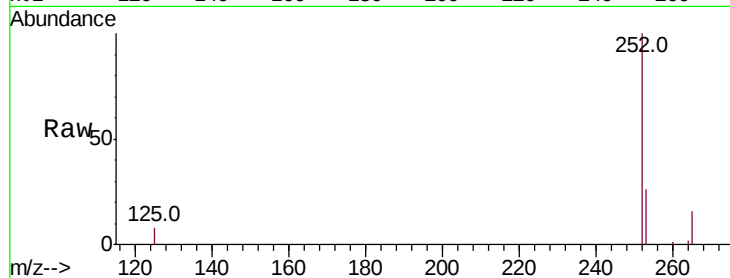
Tot Ion:252 Resp: 5146

Ion Ratio Lower Upper

252 100

253 25.8 0.0 50.2

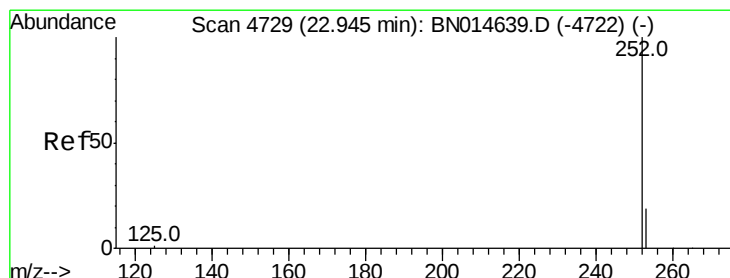
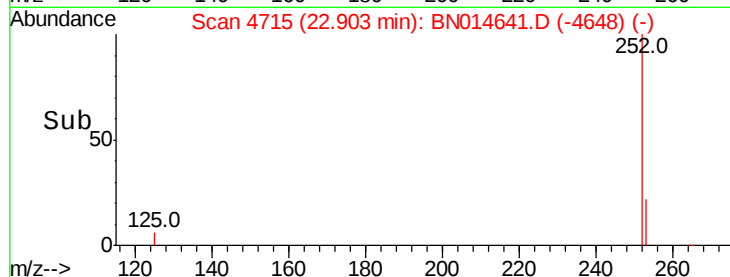
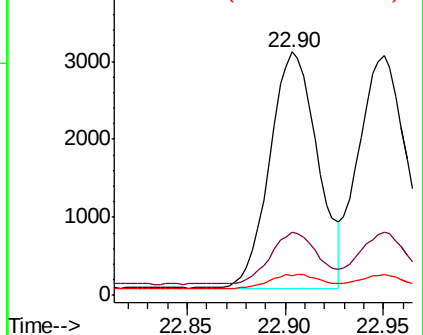
125 8.2 0.0 19.4



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: 0.349 ng/ul

RT: 22.95 min Scan# 4731

Delta R.T. -0.00 min

Lab File: BN014641.D

Acq: 15 May 2021 09:47

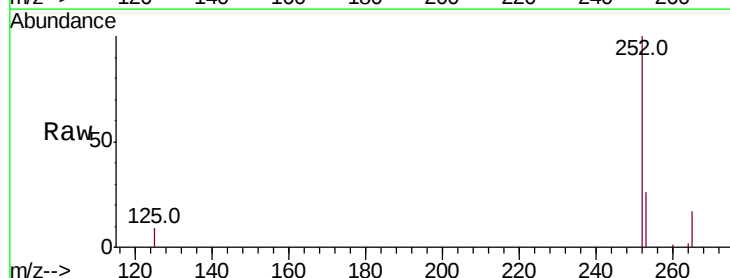
Tgt Ion:252 Resp: 5307

Ion Ratio Lower Upper

252 100

253 26.2 20.5 30.7

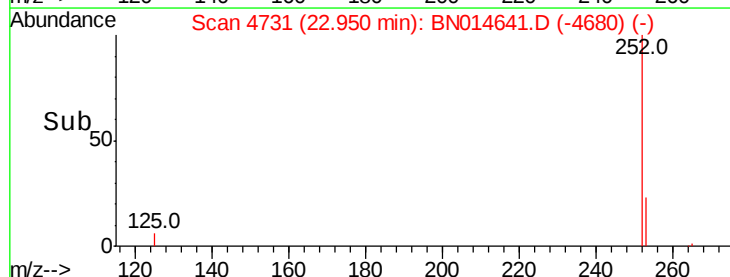
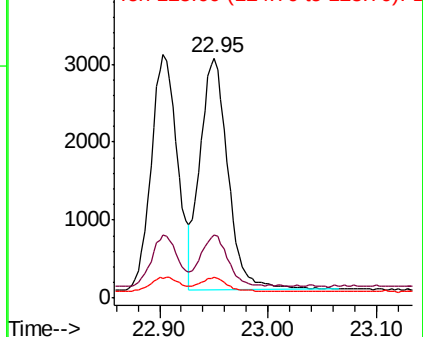
125 8.7 6.9 10.3

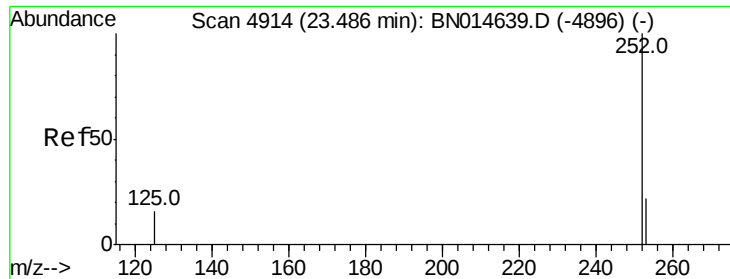


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.371 ng/ul

RT: 23.49 min Scan# 4915

Delta R.T. -0.00 min

Lab File: BN014641.D

Acq: 15 May 2021 09:47

Instrument :

BNA_N

ClientSampleId :

SLCS433

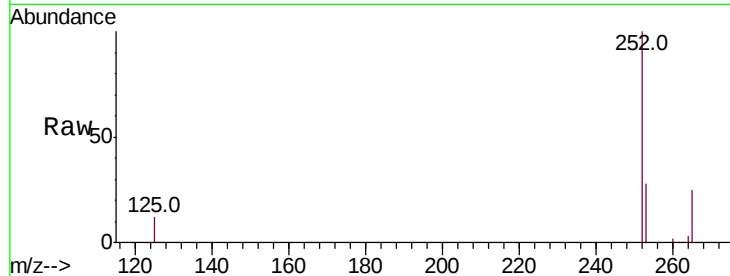
Tot Ion:252 Resp: 4089

Ion Ratio Lower Upper

252 100

253 28.1 23.0 34.6

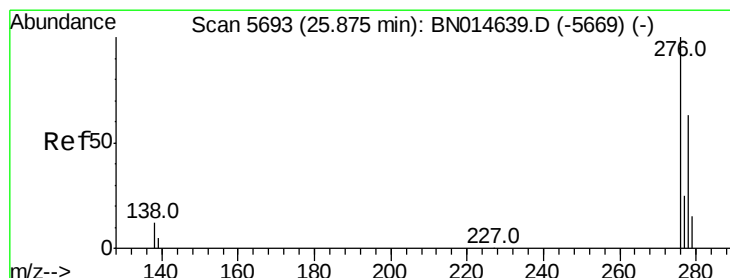
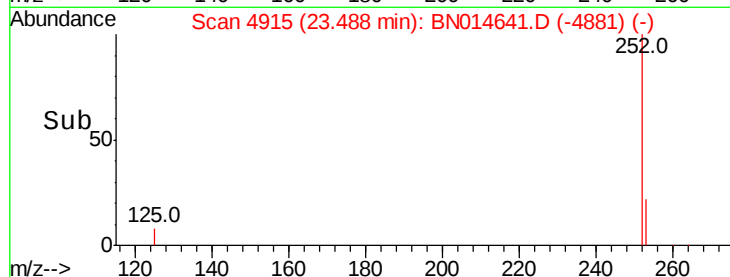
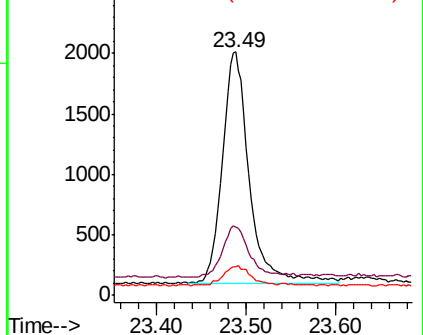
125 11.9 9.5 14.3



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: 0.380 ng/ul

RT: 25.87 min Scan# 5693

Delta R.T. -0.01 min

Lab File: BN014641.D

Acq: 15 May 2021 09:47

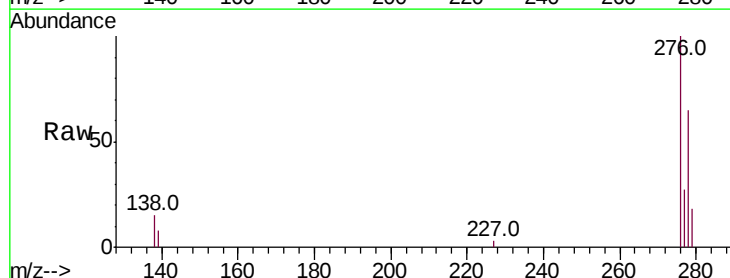
Tgt Ion:276 Resp: 5962

Ion Ratio Lower Upper

276 100

138 13.9 10.9 16.3

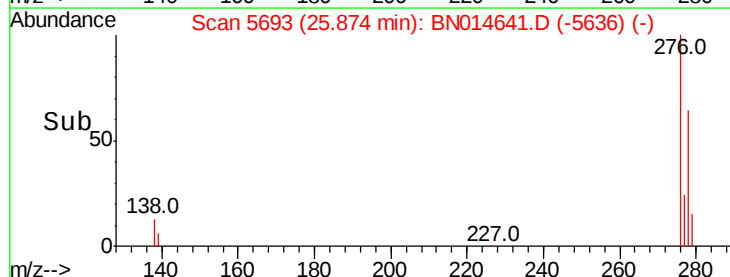
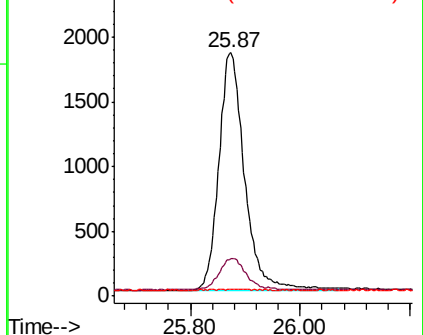
227 0.1 0.1 0.1#

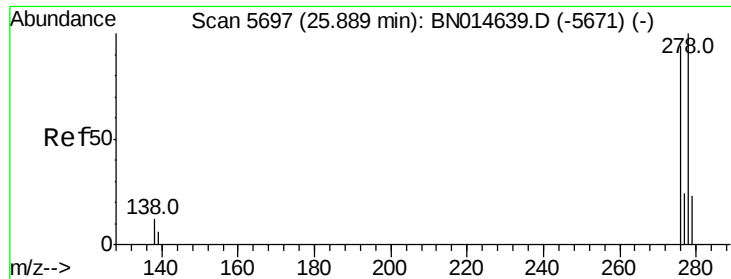


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.89 min Scan# 5698

Delta R.T. -0.01 min

Lab File: BN014641.D

Acq: 15 May 2021 09:47

Instrument :

BNA_N

ClientSampleId :

SLCS433

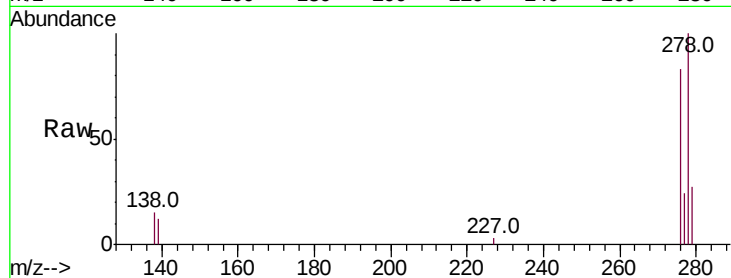
Tot Ion:278 Resp: 4799

Ion Ratio Lower Upper

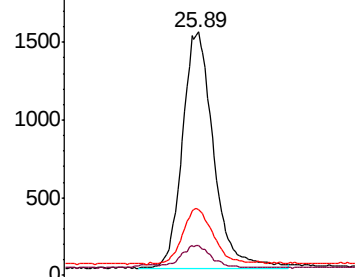
278 100

139 12.3 10.6 16.0

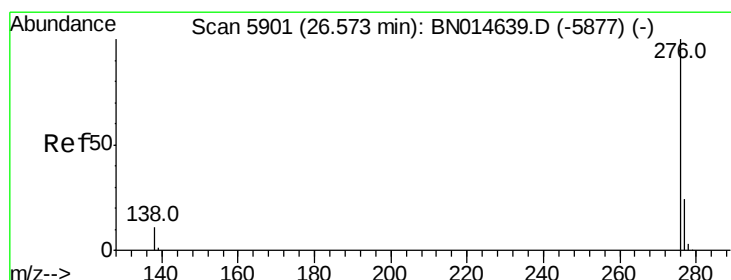
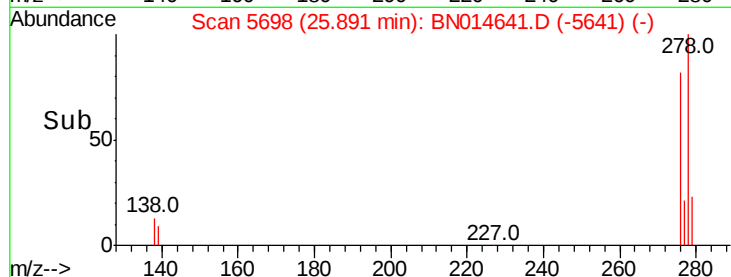
279 27.2 22.6 34.0



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



Time--> 25.70 25.80 25.90 26.00



#29

Benzo(g,h,i)perylene

Concen: 0.377 ng/ul

RT: 26.57 min Scan# 5901

Delta R.T. -0.00 min

Lab File: BN014641.D

Acq: 15 May 2021 09:47

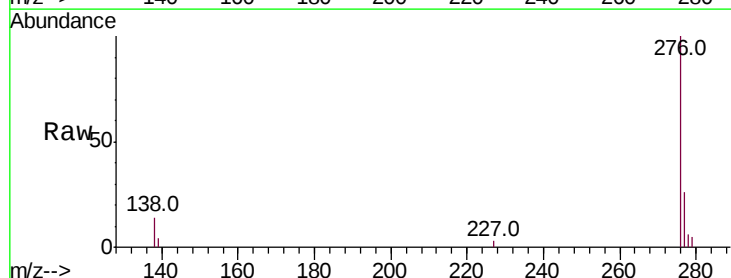
Tgt Ion:276 Resp: 5048

Ion Ratio Lower Upper

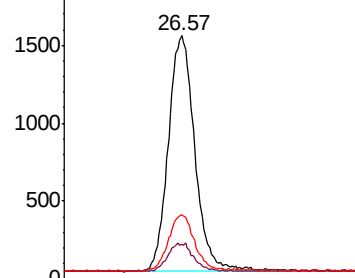
276 100

138 14.5 11.5 17.3

277 26.3 21.4 32.2



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



Time--> 26.40 26.60 26.80

