

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051321\
 Data File : BN014612.D
 Acq On : 14 May 2021 05:24
 Operator : CG/JU
 Sample : PB136058BS
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS058

Quant Time: May 14 05:58:45 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN051221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 01:39:05 2021
 Response via : Initial Calibration

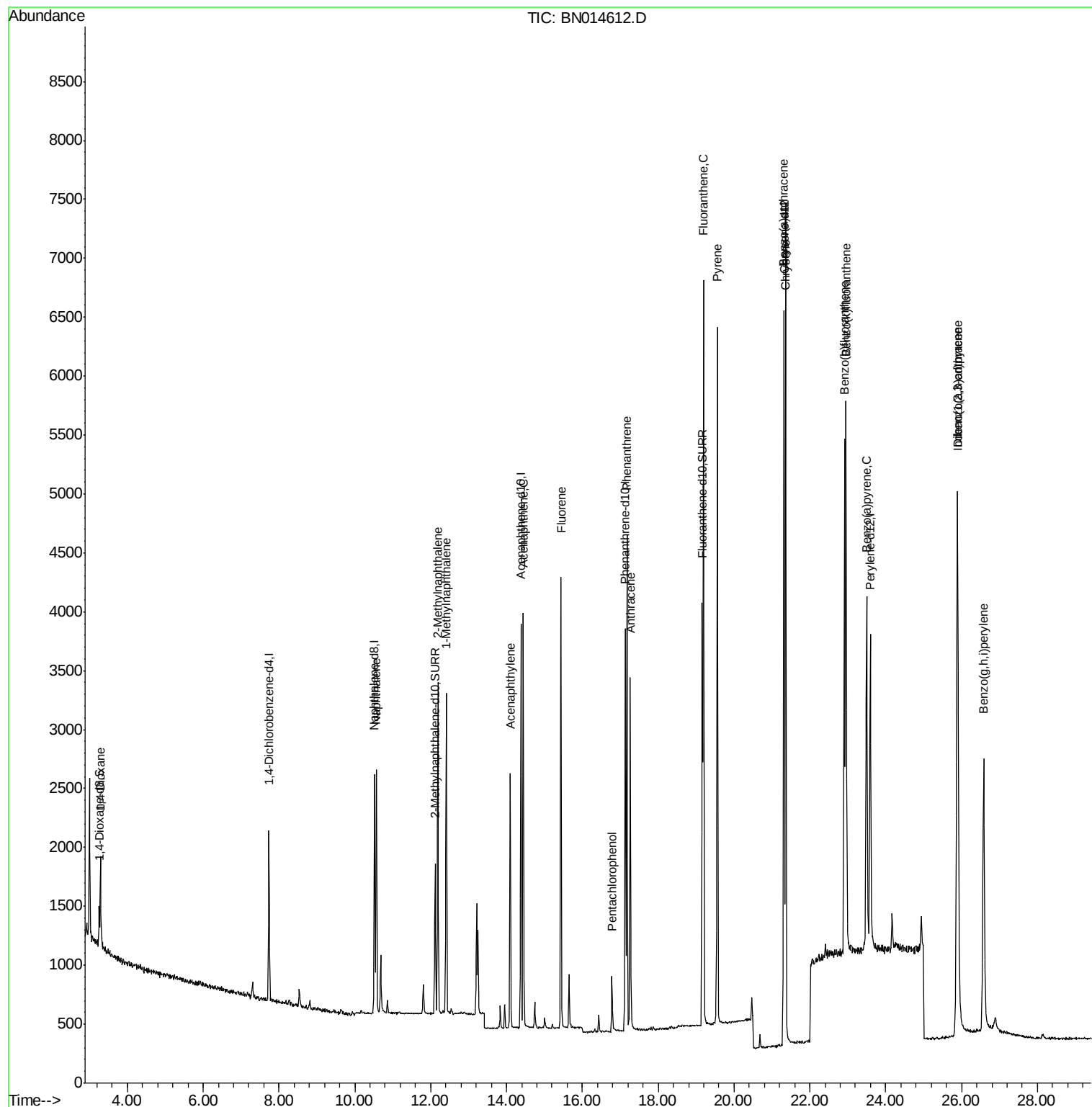
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	695	0.40	ng/ul	0.00
4) Naphthalene-d8	10.52	136	2829	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.38	164	1748	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.13	188	3995	0.40	ng/ul	0.00
17) Chrysene-d12	21.33	240	4059	0.40	ng/ul	0.00
23) Perylene-d12	23.59	264	3530	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.26	96	224	0.31	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.12	152	1632	0.34	ng/ul	0.00
18) Fluoranthene-d10	19.17	212	4251	0.39	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.29	88	550	0.694	ng/ul#	56
5) Naphthalene	10.57	128	2776	0.341	ng/ul	97
7) 2-Methylnaphthalene	12.19	142	1910	0.327	ng/ul	98
8) 1-Methylnaphthalene	12.41	142	1848	0.329	ng/ul	97
10) Acenaphthylene	14.10	152	2440	0.366	ng/ul	99
11) Acenaphthene	14.44	153	2042	0.341	ng/ul	95
12) Fluorene	15.43	166	2376	0.328	ng/ul	98
14) Pentachlorophenol	16.78	266	364	0.465	ng/ul	97
15) Phenanthrene	17.17	178	4339	0.360	ng/ul	96
16) Anthracene	17.26	178	3305	0.331	ng/ul	98
19) Fluoranthene	19.20	202	5391	0.406	ng/ul	99
20) Pyrene	19.56	202	5022	0.382	ng/ul	99
21) Benzo(a)anthracene	21.31	228	4582	0.373	ng/ul	98
22) Chrysene	21.36	228	5912	0.405	ng/ul	100
24) Benzo(b)fluoranthene	22.91	252	5761	0.390	ng/ul	97
25) Benzo(k)fluoranthene	22.95	252	6588	0.427	ng/ul	98
26) Benzo(a)pyrene	23.50	252	4807	0.413	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	25.88	276	6886	0.404	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.90	278	5350	0.381	ng/ul	99
29) Benzo(g,h,i)perylene	26.58	276	5388	0.380	ng/ul	99

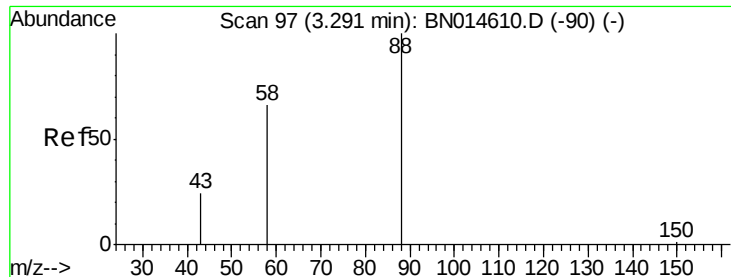
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.694 ng/ul

RT: 3.29 min Scan# 97

Delta R.T. -0.00 min

Lab File: BN014612.D

Acq: 14 May 2021 05:24

Instrument :

BNA_N

ClientSampleId :

SLCS058

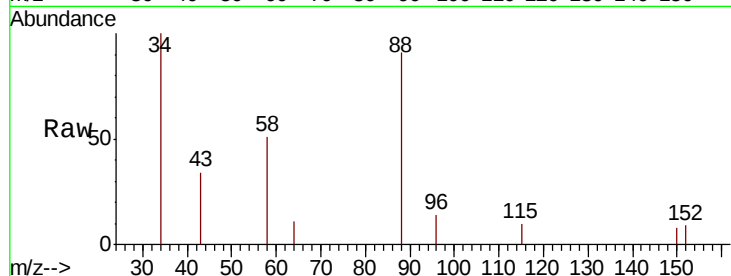
Tot Ion: 88 Resp: 550

Ion Ratio Lower Upper

88 100

43 37.2 15.7 23.5#

58 55.8 23.8 35.6#



Abundance Ion 88.00 (87.70 to 88.70): BN014610.D (-90) (-)

Ion 43.00 (42.70 to 43.70): BN014610.D (-90) (-)

Ion 58.00 (57.70 to 58.70): BN014610.D (-90) (-)

3.29

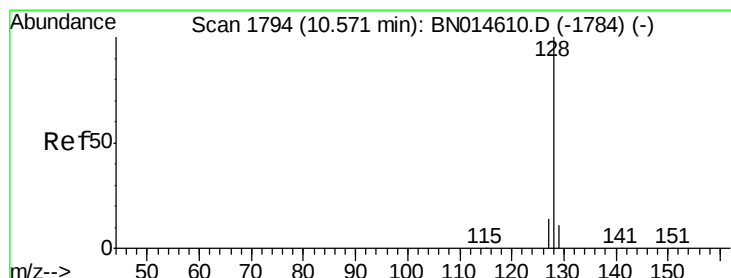
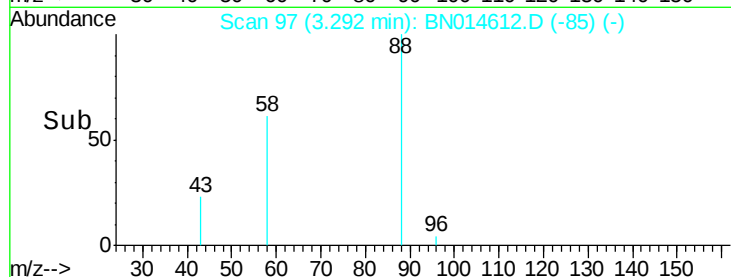
400

200

0

3.25 3.30

Time-->



#5

Naphthalene

Concen: 0.341 ng/ul

RT: 10.57 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BN014612.D

Acq: 14 May 2021 05:24

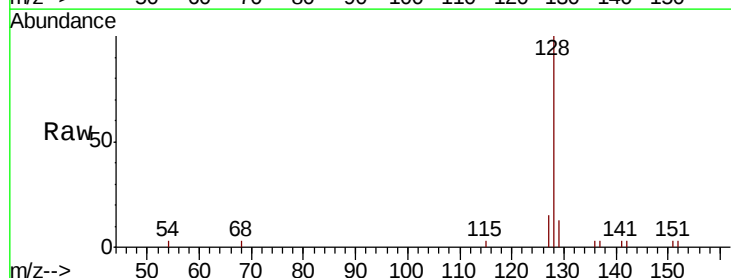
Tgt Ion: 128 Resp: 2776

Ion Ratio Lower Upper

128 100

129 13.2 11.6 17.4

127 15.1 13.3 19.9



Abundance Ion 128.00 (127.70 to 128.70): BN014610.D (-1784) (-)

Ion 129.00 (128.70 to 129.70): BN014610.D (-1784) (-)

Ion 127.00 (126.70 to 127.70): BN014610.D (-1784) (-)

10.57

2000

1500

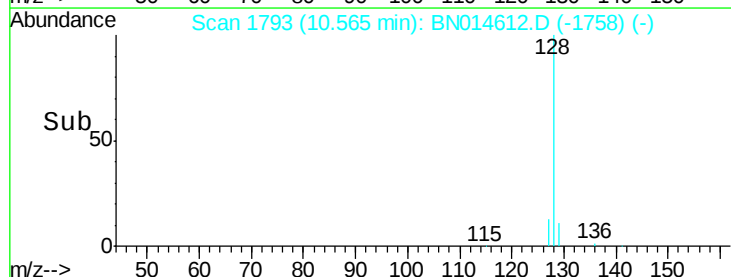
1000

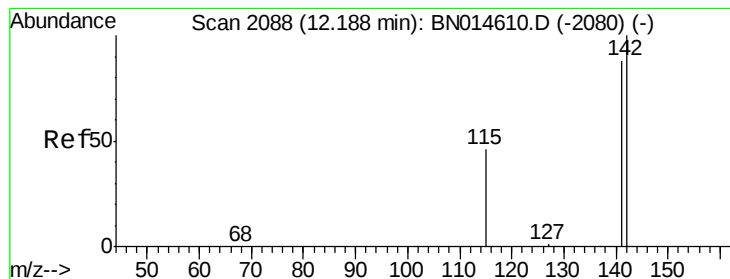
500

0

10.50 10.60

Time-->





#7

2-Methylnaphthalene

Concen: 0.327 ng/ul

RT: 12.19 min Scan# 2088

Delta R.T. -0.01 min

Lab File: BN014612.D

Acq: 14 May 2021 05:24

Instrument :

BNA_N

ClientSampleId :

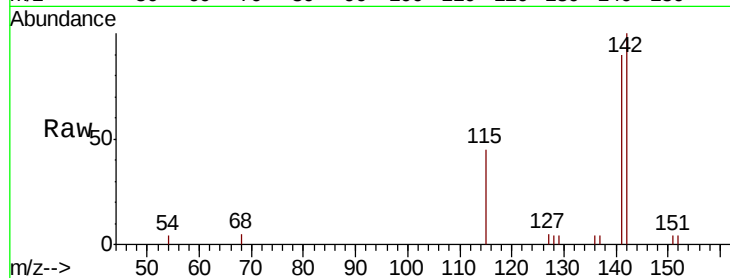
SLCS058

Tot Ion:142 Resp: 1910

Ion Ratio Lower Upper

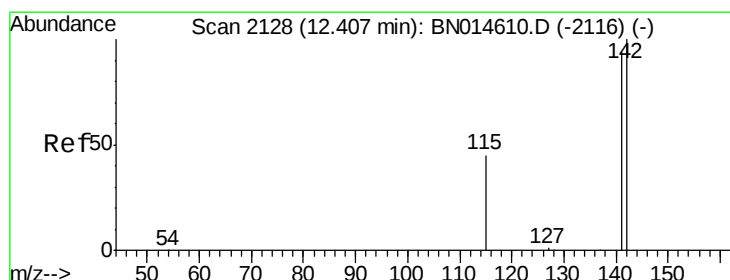
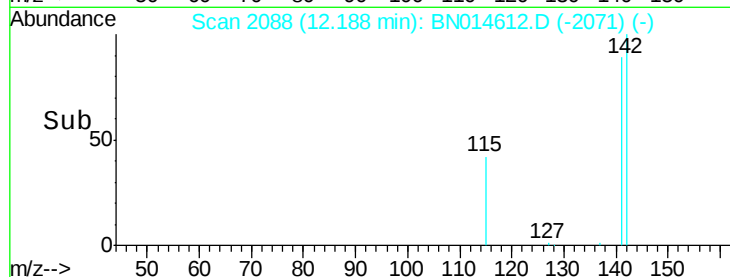
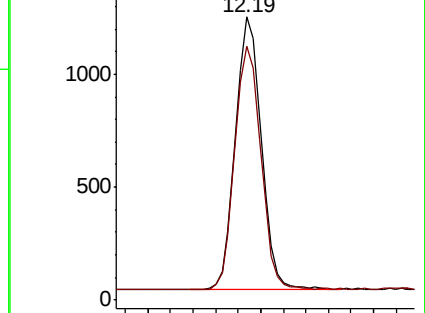
142 100

141 90.5 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: 0.329 ng/ul

RT: 12.41 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BN014612.D

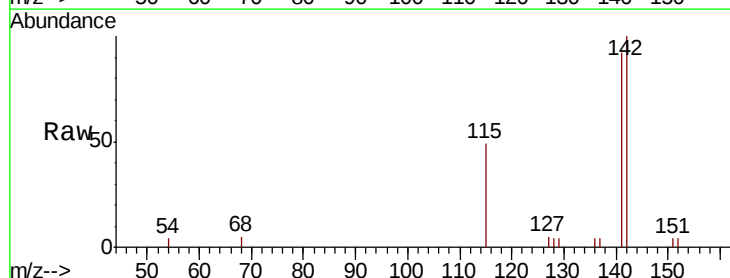
Acq: 14 May 2021 05:24

Tgt Ion:142 Resp: 1848

Ion Ratio Lower Upper

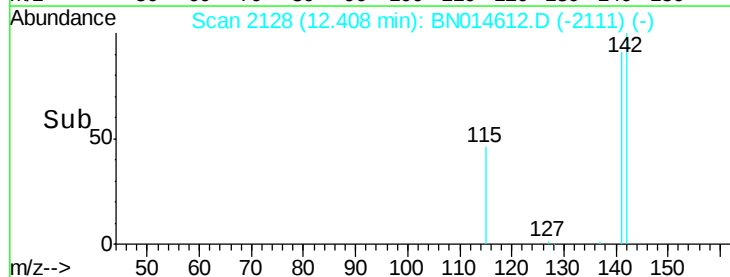
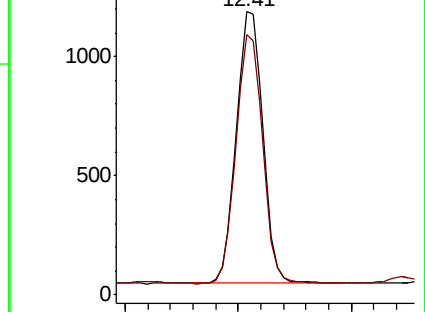
142 100

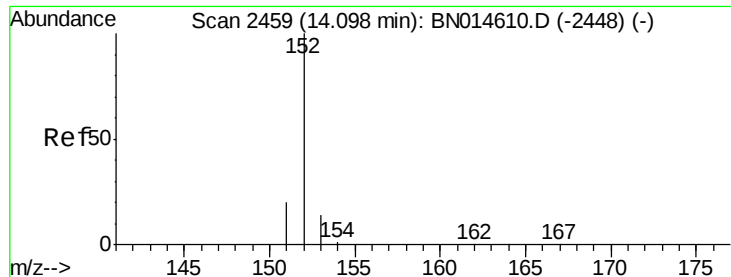
141 92.3 75.9 113.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.366 ng/ul

RT: 14.10 min Scan# 2459

Delta R.T. -0.00 min

Lab File: BN014612.D

Acq: 14 May 2021 05:24

Instrument :

BNA_N

ClientSampleId :

SLCS058

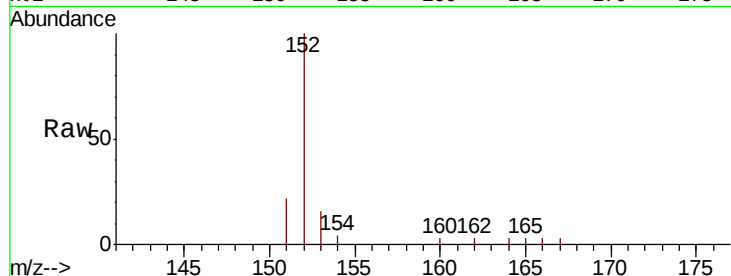
Tot Ion:152 Resp: 2440

Ion Ratio Lower Upper

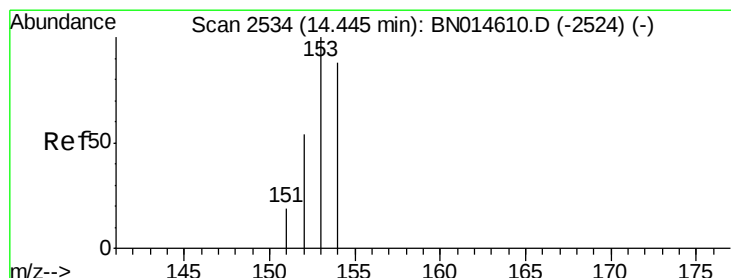
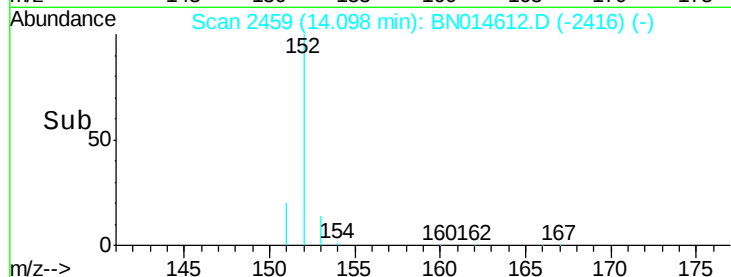
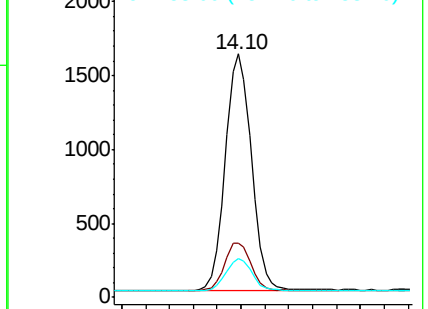
152 100

151 22.3 18.2 27.2

153 16.2 12.8 19.2



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: 0.341 ng/ul

RT: 14.44 min Scan# 2533

Delta R.T. -0.00 min

Lab File: BN014612.D

Acq: 14 May 2021 05:24

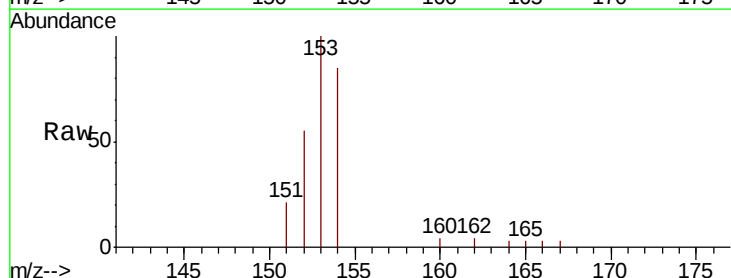
Tgt Ion:153 Resp: 2042

Ion Ratio Lower Upper

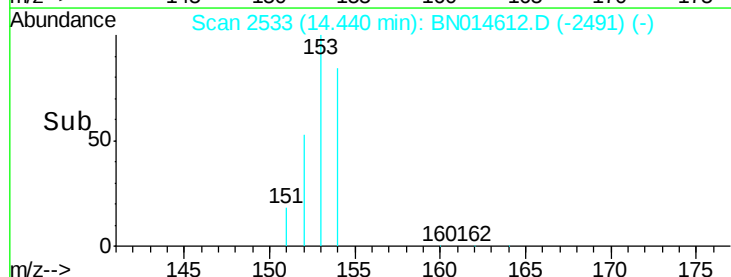
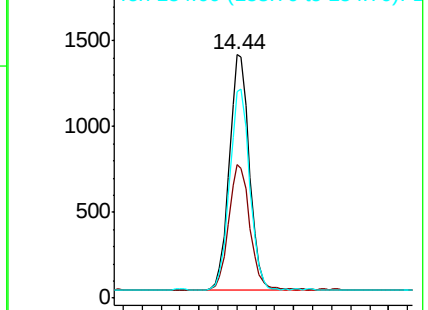
153 100

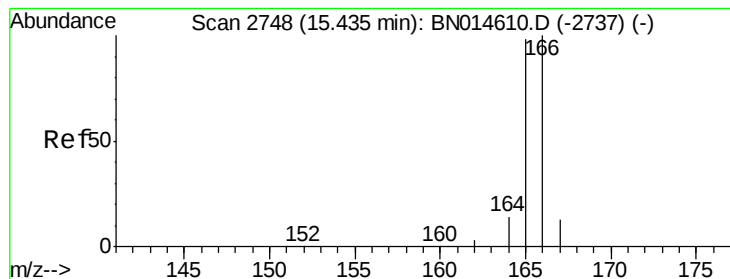
152 55.0 40.9 61.3

154 84.6 70.7 106.1



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: 0.328 ng/ul

RT: 15.43 min Scan# 2748

Delta R.T. -0.00 min

Lab File: BN014612.D

Acq: 14 May 2021 05:24

Instrument :

BNA_N

ClientSampleId :

SLCS058

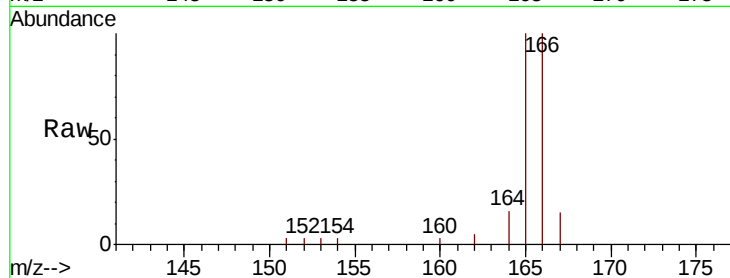
Tot Ion:166 Resp: 2376

Ion Ratio Lower Upper

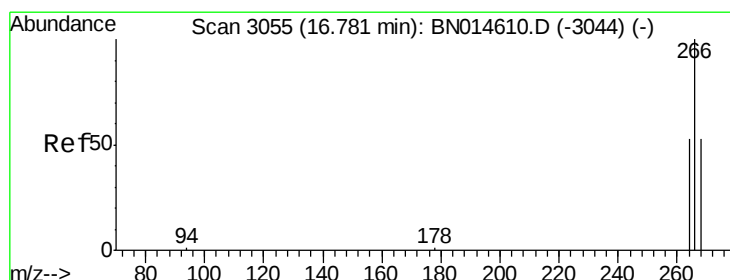
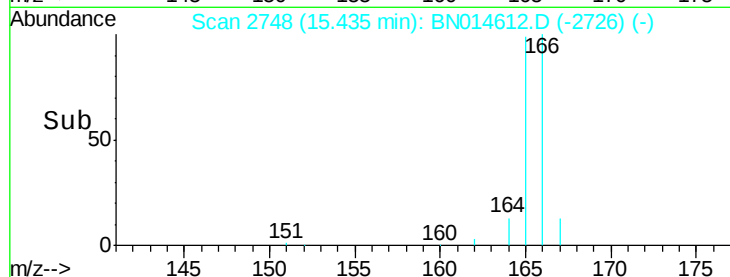
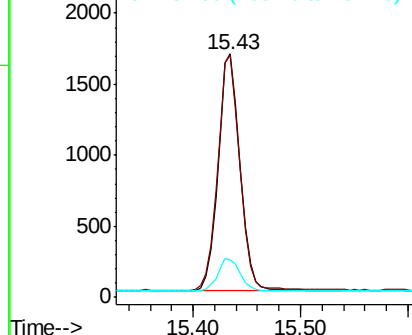
166 100

165 99.6 78.6 118.0

167 15.5 13.2 19.8



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: 0.465 ng/ul

RT: 16.78 min Scan# 3055

Delta R.T. -0.00 min

Lab File: BN014612.D

Acq: 14 May 2021 05:24

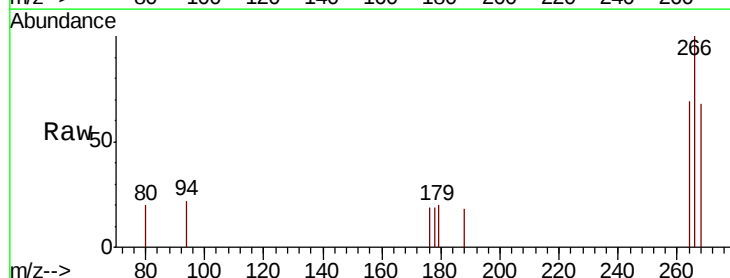
Tgt Ion:266 Resp: 364

Ion Ratio Lower Upper

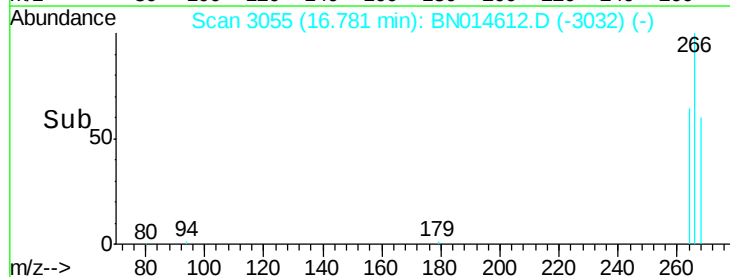
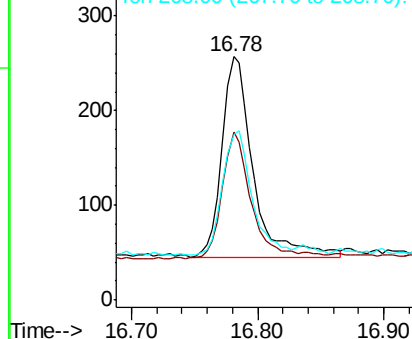
266 100

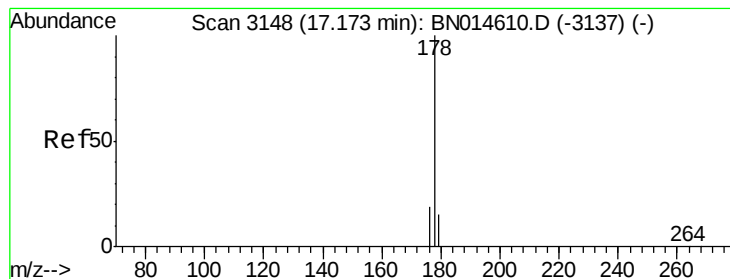
264 59.6 49.4 74.2

268 59.1 49.1 73.7



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: 0.360 ng/ul

RT: 17.17 min Scan# 3148

Delta R.T. -0.00 min

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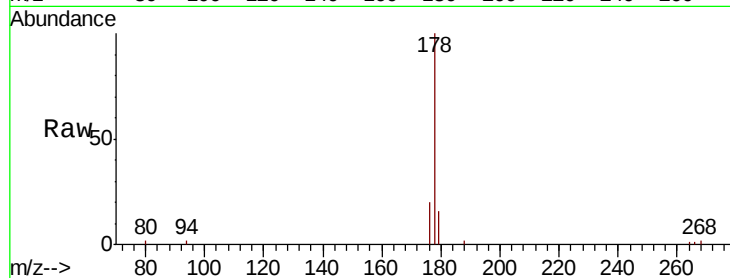
Tot Ion:178 Resp: 4339

Ion Ratio Lower Upper

178 100

179 15.8 14.1 21.1

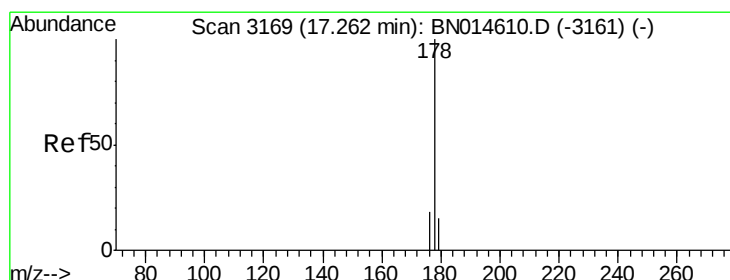
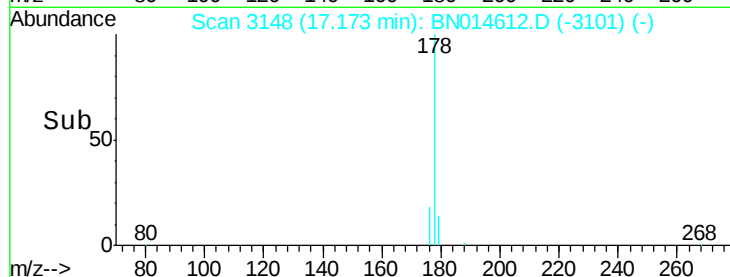
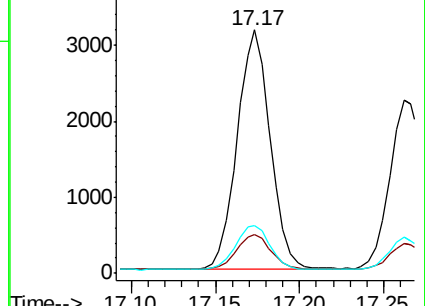
176 19.7 16.9 25.3



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: 0.331 ng/ul

RT: 17.26 min Scan# 3169

Delta R.T. -0.00 min

Lab File: BN014612.D

Acq: 14 May 2021 05:24

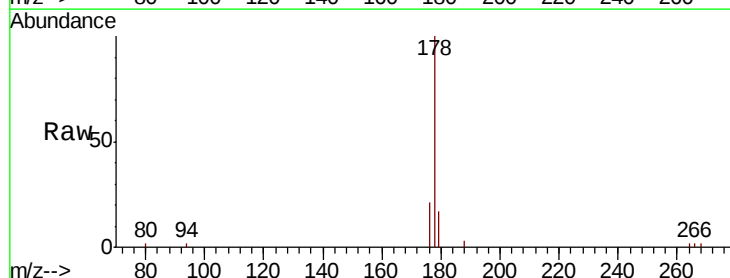
Tgt Ion:178 Resp: 3305

Ion Ratio Lower Upper

178 100

179 17.0 14.1 21.1

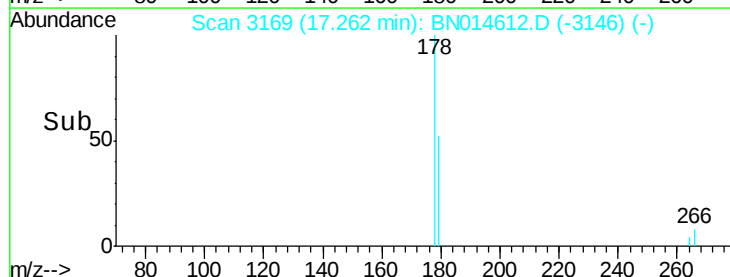
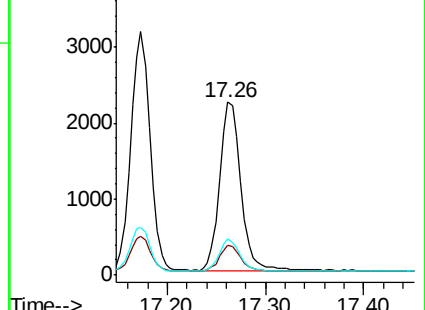
176 21.0 15.8 23.6

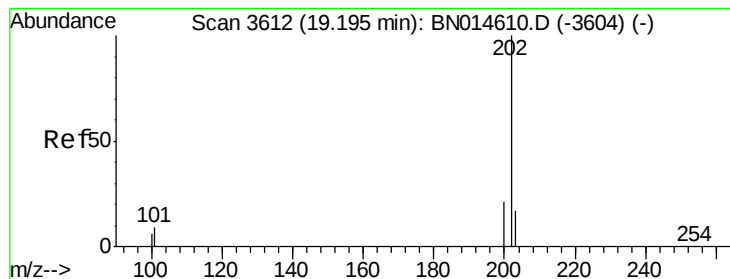


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 0.406 ng/ul

RT: 19.20 min Scan# 3612

Delta R.T. -0.00 min

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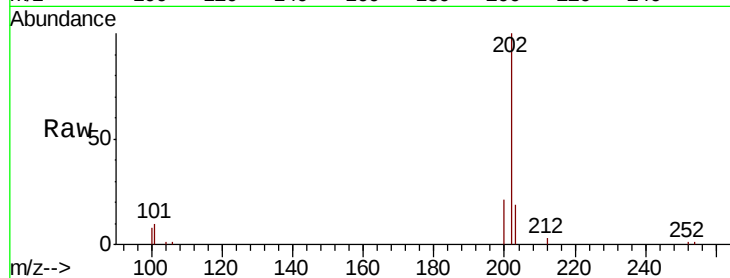
Tot Ion:202 Resp: 5391

Ion Ratio Lower Upper

202 100

101 10.1 8.3 12.5

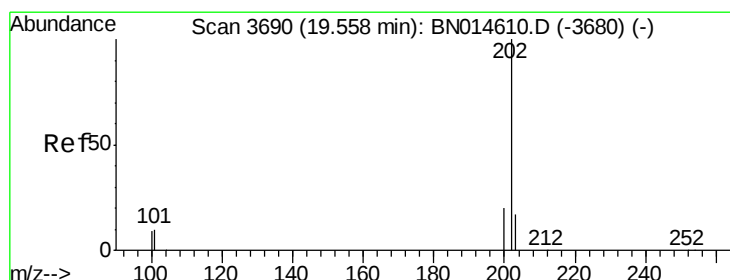
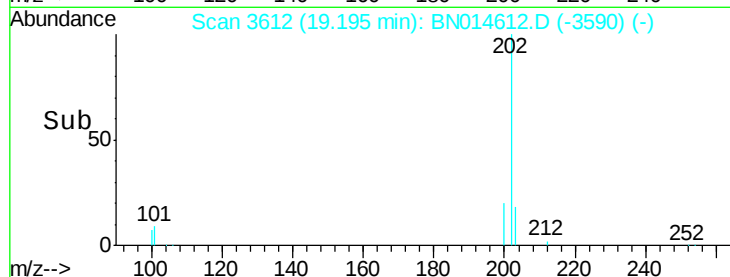
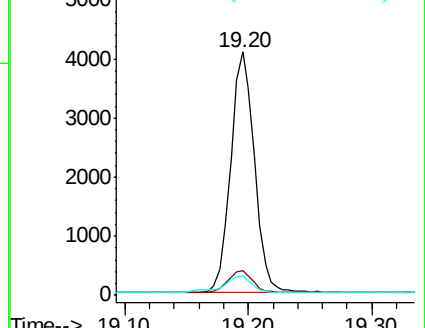
100 7.9 6.7 10.1



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: 0.382 ng/ul

RT: 19.56 min Scan# 3690

Delta R.T. -0.00 min

Lab File: BN014612.D

Acq: 14 May 2021 05:24

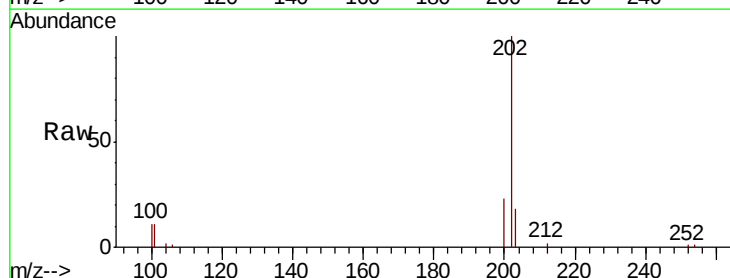
Tgt Ion:202 Resp: 5022

Ion Ratio Lower Upper

202 100

101 11.3 9.4 14.0

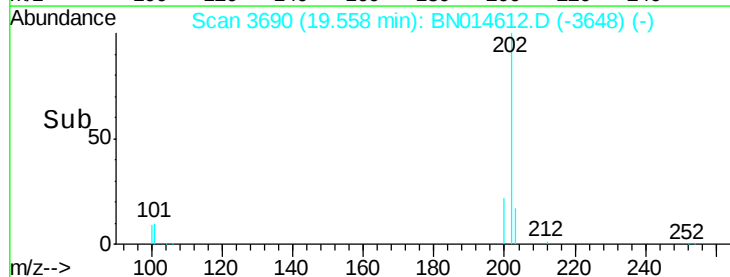
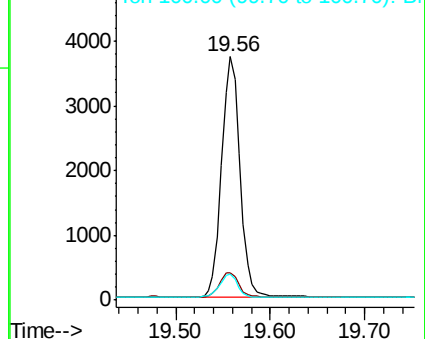
100 10.6 8.2 12.4

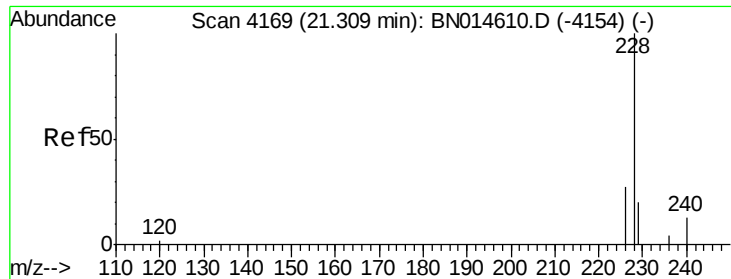


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.373 ng/ul

RT: 21.31 min Scan# 4169

Delta R.T. -0.00 min

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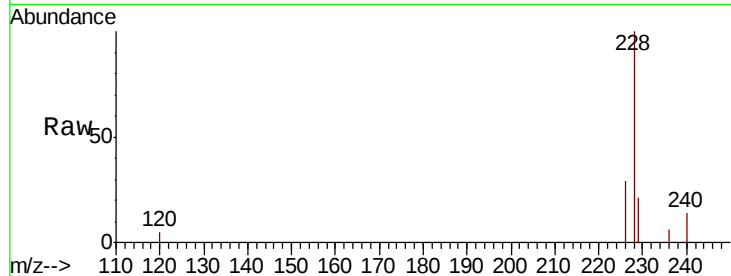
Tot Ion:228 Resp: 4582

Ion Ratio Lower Upper

228 100

229 20.6 16.0 24.0

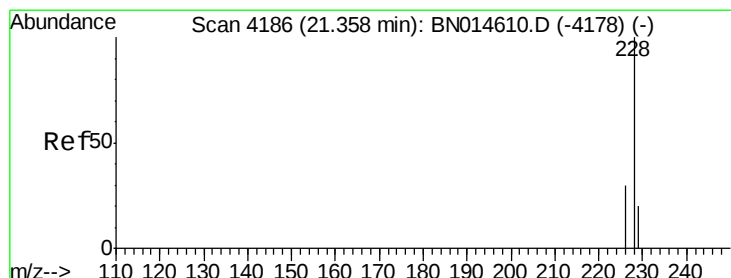
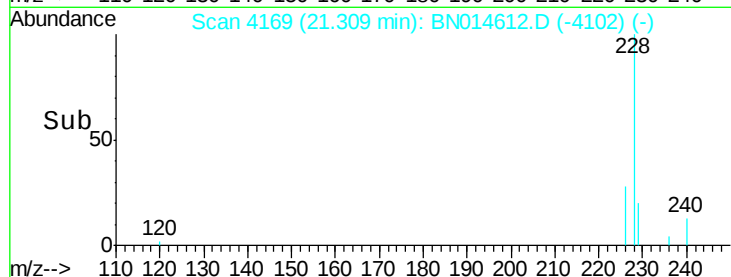
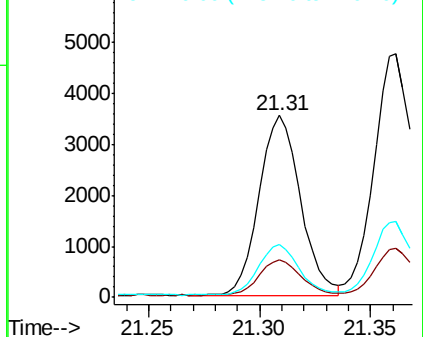
226 28.9 22.2 33.2



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: 0.405 ng/ul

RT: 21.36 min Scan# 4187

Delta R.T. -0.00 min

Lab File: BN014612.D

Acq: 14 May 2021 05:24

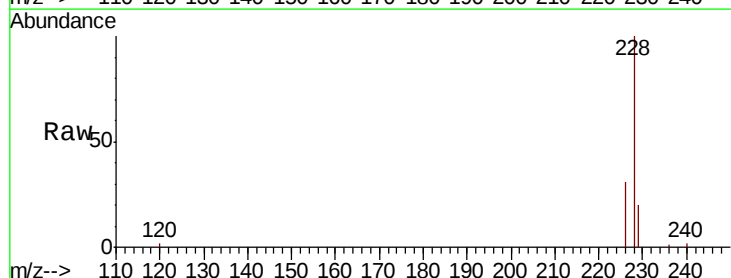
Tgt Ion:228 Resp: 5912

Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

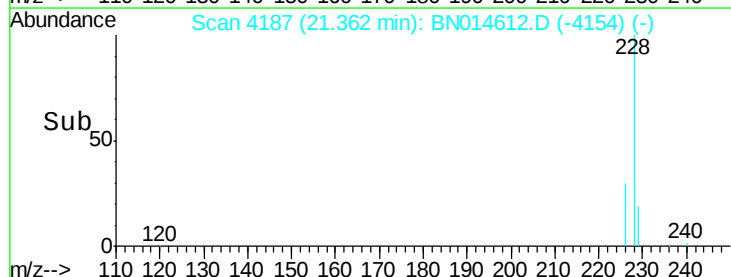
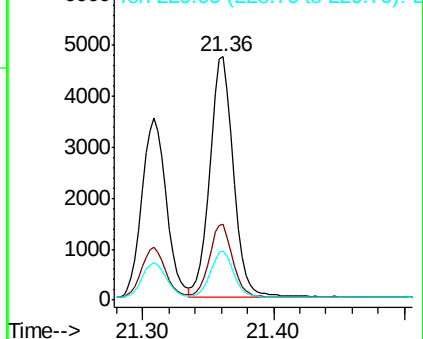
229 20.3 16.3 24.5

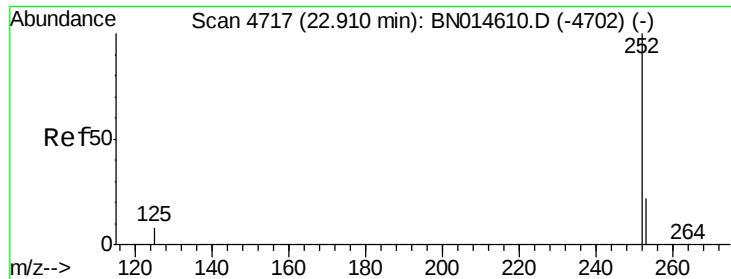


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 0.390 ng/ul

RT: 22.91 min Scan# 4717

Delta R.T. -0.01 min

Lab File: BN014612.D

Acq: 14 May 2021 05:24

Instrument :

BNA_N

ClientSampleId :

SLCS058

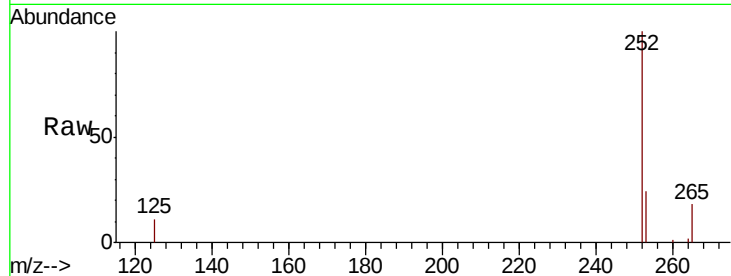
Tot Ion:252 Resp: 5761

Ion Ratio Lower Upper

252 100

253 23.8 0.0 51.0

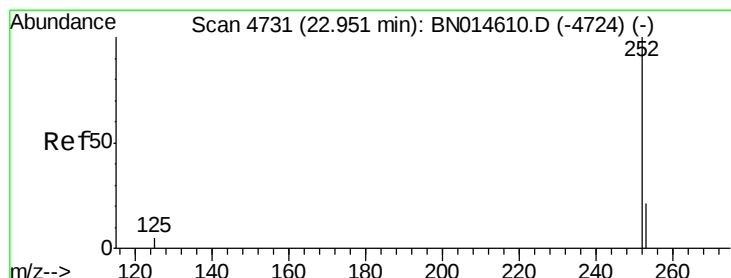
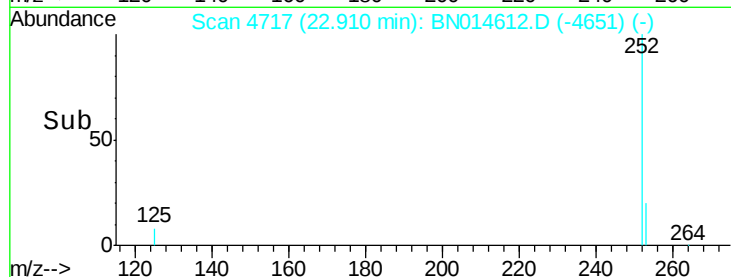
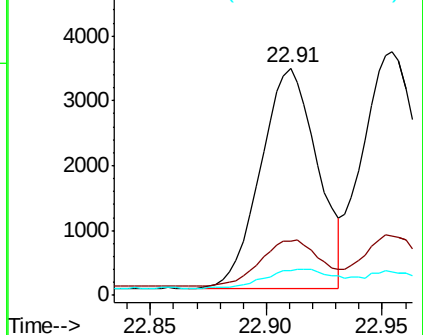
125 10.7 0.0 20.2



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: 0.427 ng/ul

RT: 22.95 min Scan# 4732

Delta R.T. -0.01 min

Lab File: BN014612.D

Acq: 14 May 2021 05:24

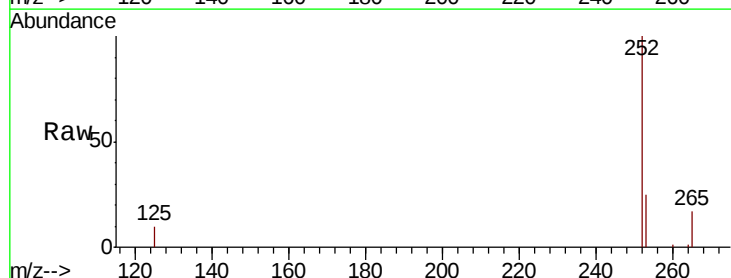
Tgt Ion:252 Resp: 6588

Ion Ratio Lower Upper

252 100

253 24.6 20.2 30.2

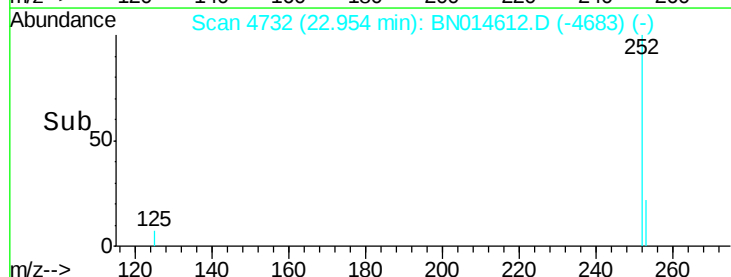
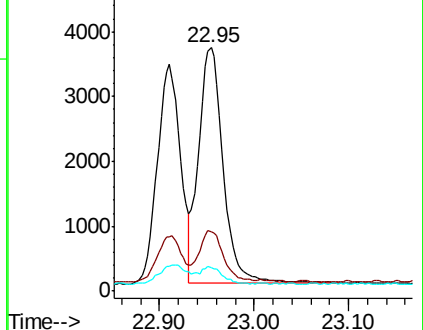
125 9.6 8.4 12.6

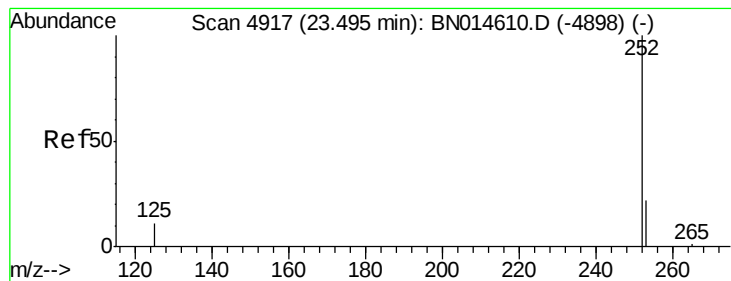


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.413 ng/ul

RT: 23.50 min Scan# 4917

Delta R.T. -0.01 min

Lab File: BN014612.D

Acq: 14 May 2021 05:24

Instrument :

BNA_N

ClientSampleId :

SLCS058

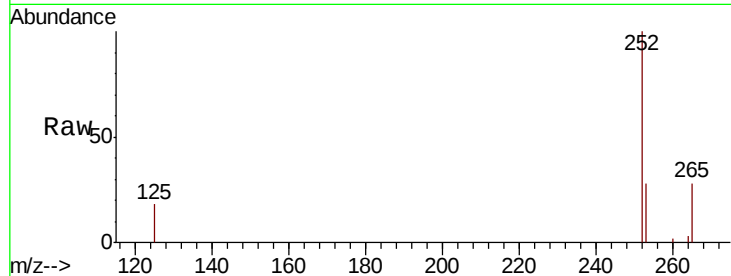
Tot Ion:252 Resp: 4807

Ion Ratio Lower Upper

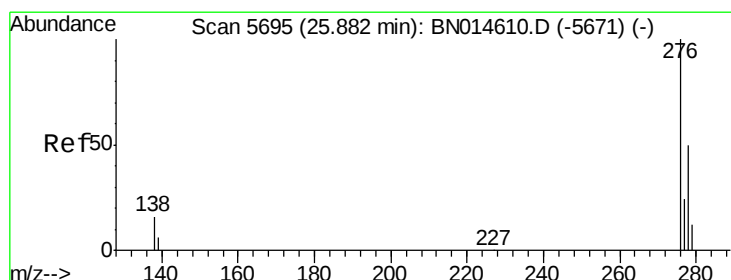
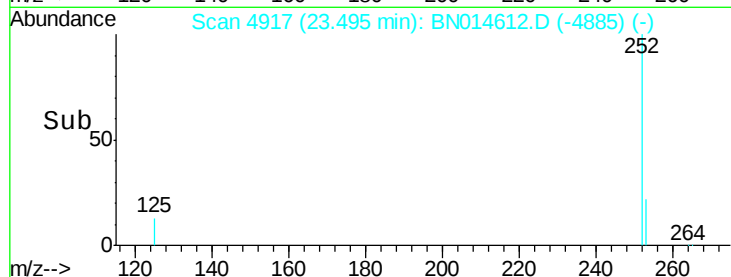
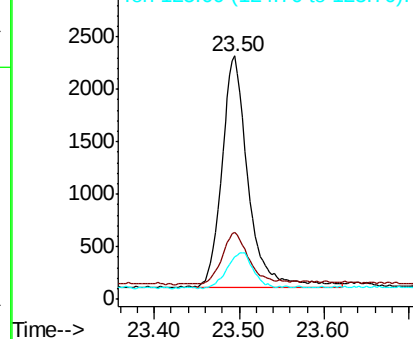
252 100

253 27.7 23.0 34.4

125 17.6 11.4 17.2#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.404 ng/ul

RT: 25.88 min Scan# 5695

Delta R.T. -0.01 min

Lab File: BN014612.D

Acq: 14 May 2021 05:24

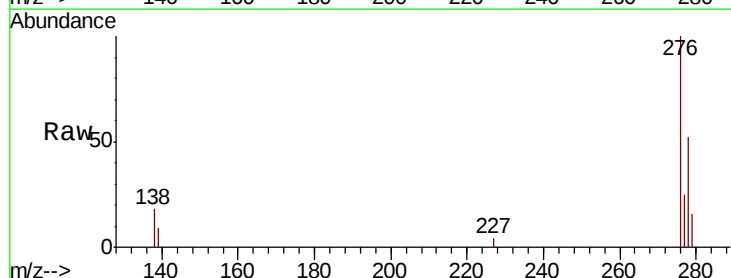
Tgt Ion:276 Resp: 6886

Ion Ratio Lower Upper

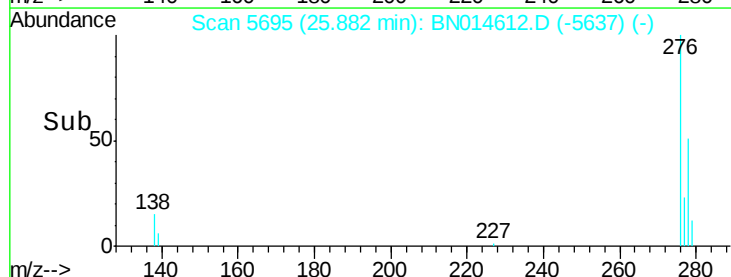
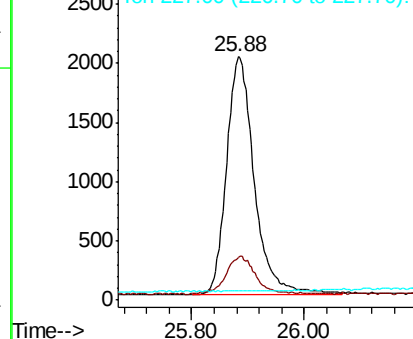
276 100

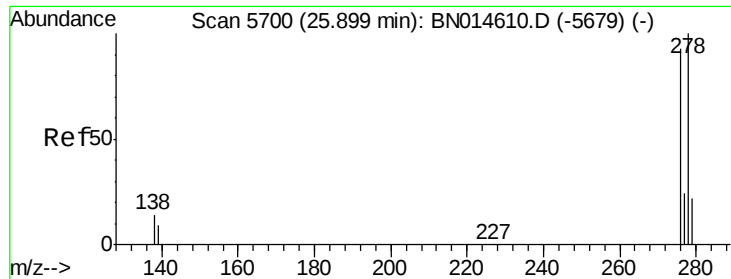
138 17.2 14.1 21.1

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



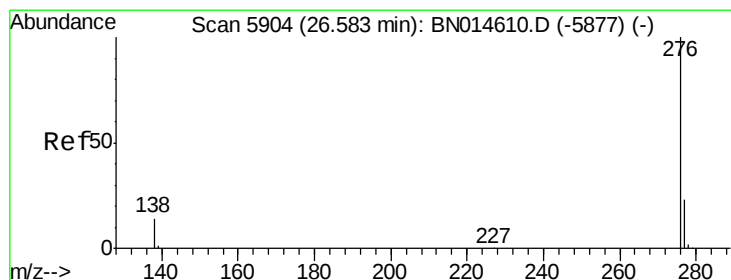
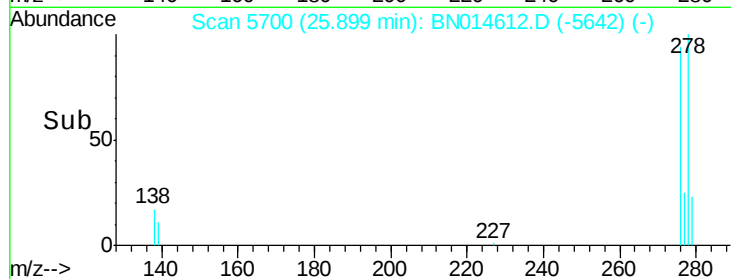
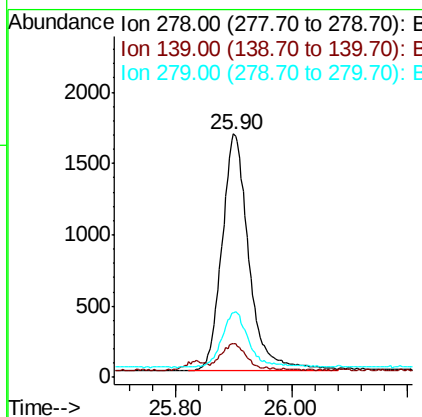
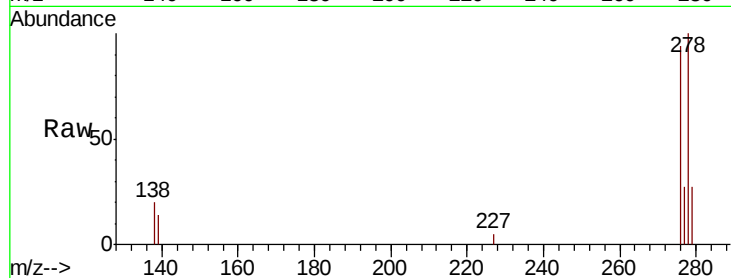


#28
Dibenzo(a,h)anthracene
Concen: 0.381 ng/ul
RT: 25.90 min Scan# 5700
Delta R.T. -0.01 min
Lab File: BN014612.D
Acq: 14 May 2021 05:24

Instrument :
BNA_N
ClientSampleId :
SLCS058

Tot Ion:278 Resp: 5350

Ion	Ratio	Lower	Upper
278	100		
139	13.8	10.4	15.6
279	26.7	21.8	32.6



#29
Benzo(g,h,i)perylene
Concen: 0.380 ng/ul
RT: 26.58 min Scan# 5904
Delta R.T. -0.00 min
Lab File: BN014612.D
Acq: 14 May 2021 05:24

Tgt Ion:276 Resp: 5388

Ion	Ratio	Lower	Upper
276	100		
138	16.4	12.6	18.8
277	25.5	20.9	31.3

