

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051821\
 Data File : BN014667.D
 Acq On : 18 May 2021 17:12
 Operator : CG/JU
 Sample : PB136511BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS511

Quant Time: May 19 02:50:51 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

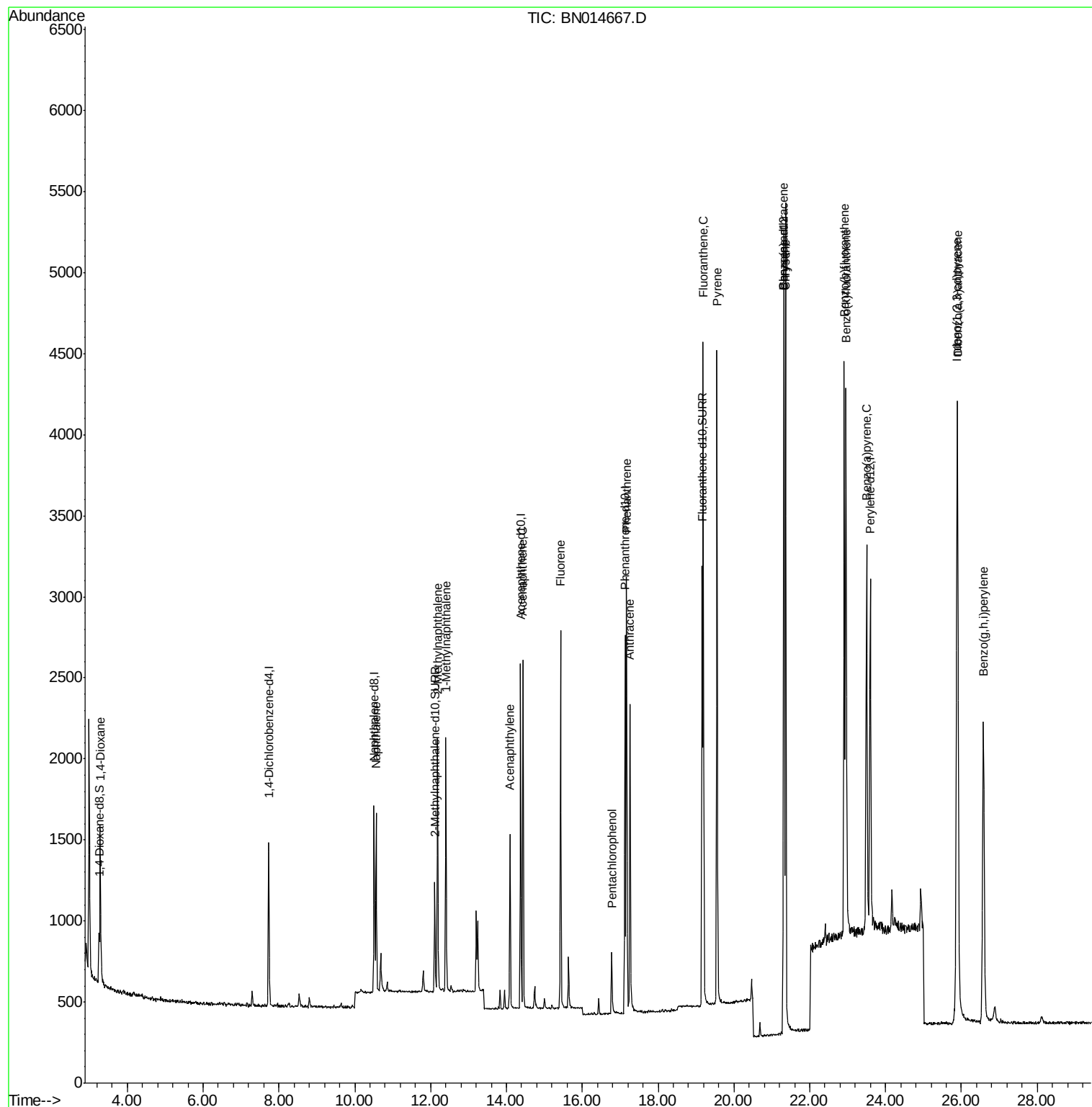
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	497	0.40	ng/ul	0.00
4) Naphthalene-d8	10.51	136	1622	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.38	164	1141	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.13	188	2827	0.40	ng/ul	0.00
17) Chrysene-d12	21.33	240	3305	0.40	ng/ul	0.00
23) Perylene-d12	23.59	264	3001	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.25	96	299	0.59	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.11	152	939	0.33	ng/ul	0.00
18) Fluoranthene-d10	19.16	212	3165	0.38	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.29	88	886	1.663	ng/ul#	85
5) Naphthalene	10.56	128	1527	0.324	ng/ul	96
7) 2-Methylnaphthalene	12.18	142	1067	0.315	ng/ul	97
8) 1-Methylnaphthalene	12.40	142	1034	0.316	ng/ul	97
10) Acenaphthylene	14.09	152	1290	0.313	ng/ul	100
11) Acenaphthene	14.44	153	1239	0.315	ng/ul	98
12) Fluorene	15.43	166	1497	0.310	ng/ul	96
14) Pentachlorophenol	16.78	266	288	0.724	ng/ul	87
15) Phenanthrene	17.17	178	2807	0.319	ng/ul	98
16) Anthracene	17.26	178	2229	0.325	ng/ul	99
19) Fluoranthene	19.19	202	3726	0.363	ng/ul	98
20) Pyrene	19.56	202	3734	0.359	ng/ul	99
21) Benzo(a)anthracene	21.31	228	3628	0.347	ng/ul	98
22) Chrysene	21.36	228	4534	0.380	ng/ul	99
24) Benzo(b)fluoranthene	22.91	252	4576	0.347	ng/ul	97
25) Benzo(k)fluoranthene	22.96	252	4945	0.356	ng/ul	99
26) Benzo(a)pyrene	23.50	252	3737	0.371	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	25.88	276	5413	0.377	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.90	278	4362	0.379	ng/ul	98
29) Benzo(a,h,i)perylene	26.58	276	4392	0.359	ng/ul	98

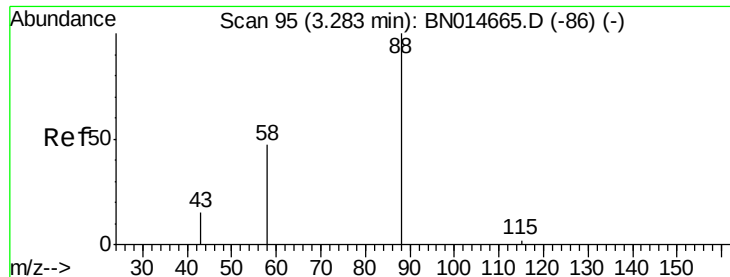
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.663 ng/ul

RT: 3.29 min Scan# 96

Delta R.T. -0.00 min

Lab File: BN014667.D

Acq: 18 May 2021 17:12

Instrument :

BNA_N

ClientSampleId :

SLCS511

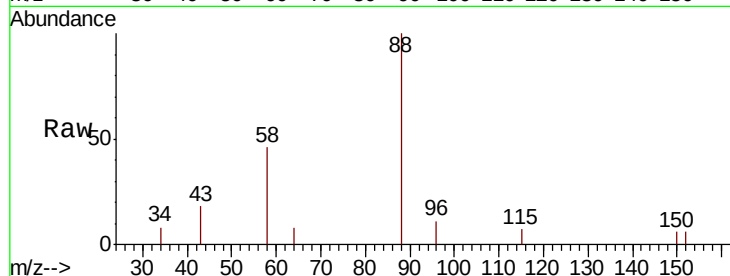
Tot Ion: 88 Resp: 886

Ion Ratio Lower Upper

88 100

43 18.2 22.5 33.7#

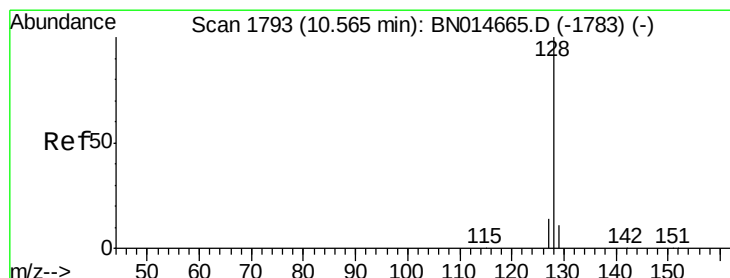
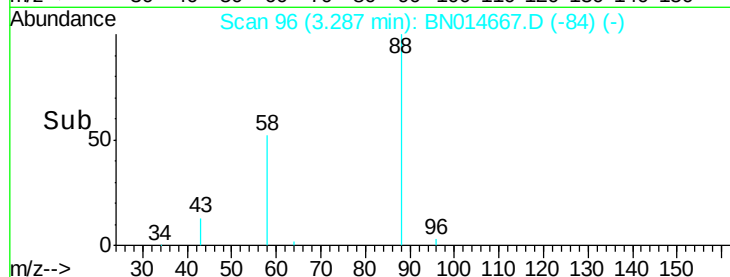
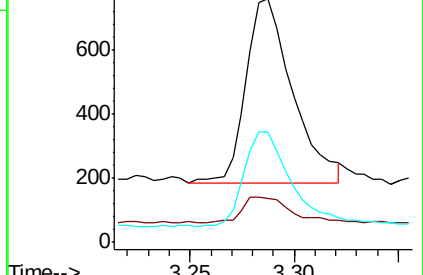
58 45.5 30.4 45.6



Abundance Ion 88.00 (87.70 to 88.70): BN014665.D (-86) (-)

Ion 43.00 (42.70 to 43.70): BN014665.D (-86) (-)

Ion 58.00 (57.70 to 58.70): BN014665.D (-86) (-)



#5

Naphthalene

Concen: 0.324 ng/ul

RT: 10.56 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BN014667.D

Acq: 18 May 2021 17:12

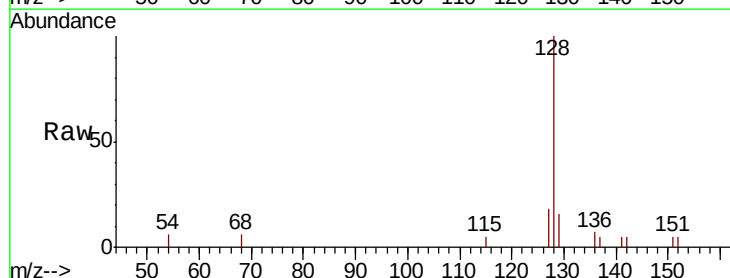
Tgt Ion: 128 Resp: 1527

Ion Ratio Lower Upper

128 100

129 15.6 10.9 16.3

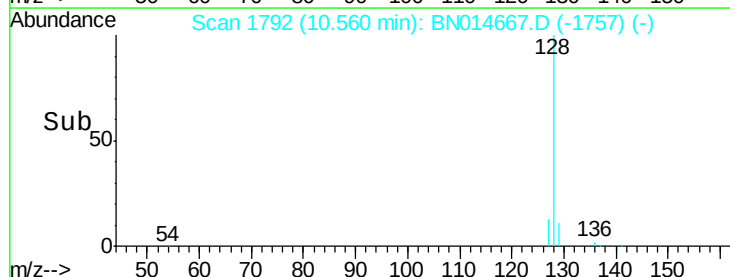
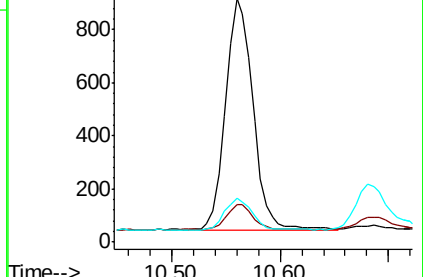
127 17.8 15.7 23.5

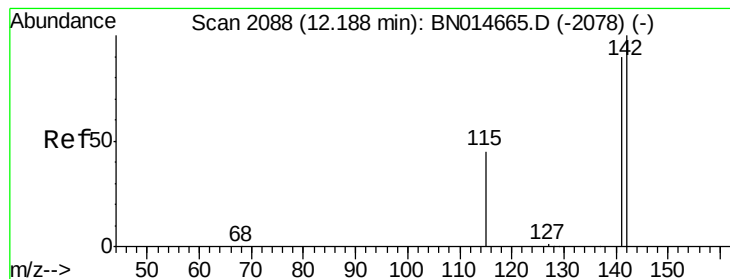


Abundance Ion 128.00 (127.70 to 128.70): BN014665.D (-1783) (-)

Ion 129.00 (128.70 to 129.70): BN014665.D (-1783) (-)

Ion 127.00 (126.70 to 127.70): BN014665.D (-1783) (-)





#7

2-Methylnaphthalene

Concen: 0.315 ng/ul

RT: 12.18 min Scan# 2087

Delta R.T. -0.00 min

Lab File: BN014667.D

Acq: 18 May 2021 17:12

Instrument :

BNA_N

ClientSampleId :

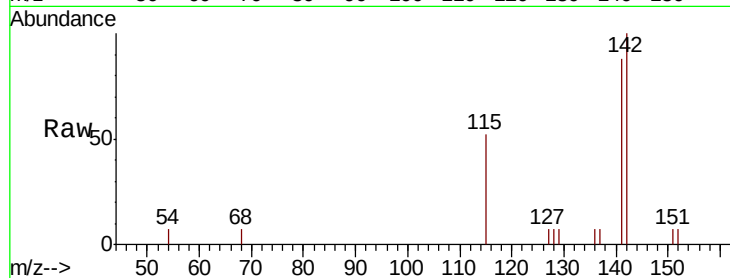
SLCS511

Tot Ion:142 Resp: 1067

Ion Ratio Lower Upper

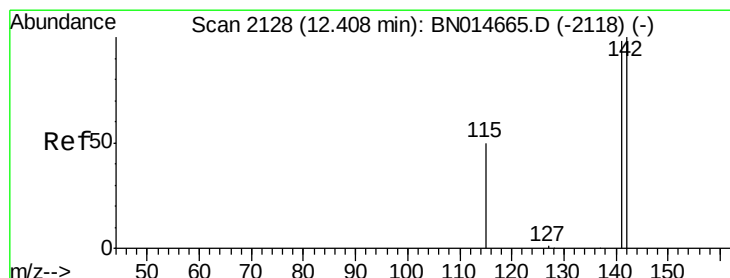
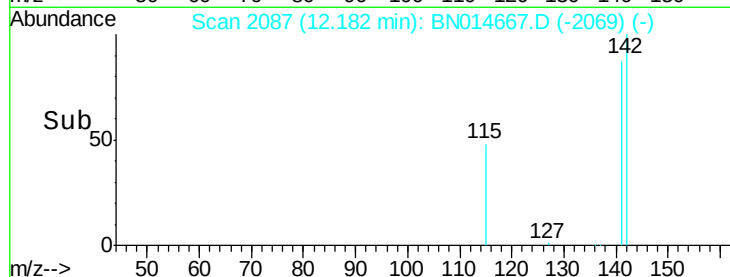
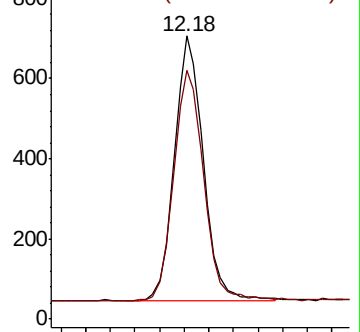
142 100

141 90.3 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: 0.316 ng/ul

RT: 12.40 min Scan# 2127

Delta R.T. -0.00 min

Lab File: BN014667.D

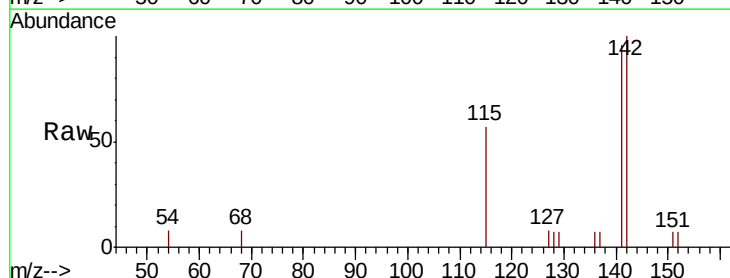
Acq: 18 May 2021 17:12

Tgt Ion:142 Resp: 1034

Ion Ratio Lower Upper

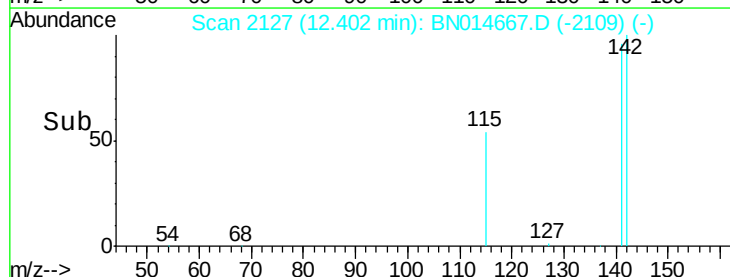
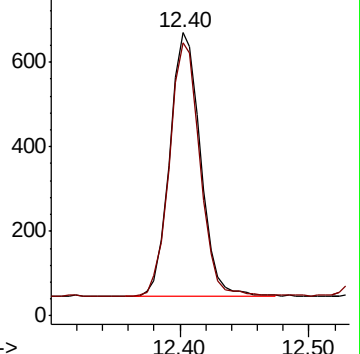
142 100

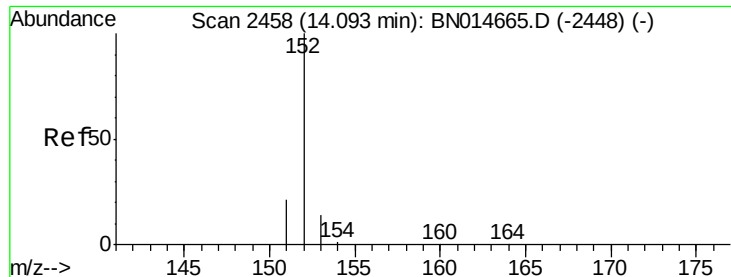
141 95.0 73.9 110.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.313 ng/ul

RT: 14.09 min Scan# 2458

Delta R.T. -0.00 min

Lab File: BN014667.D

Acq: 18 May 2021 17:12

Instrument :

BNA_N

ClientSampled :

SLCS511

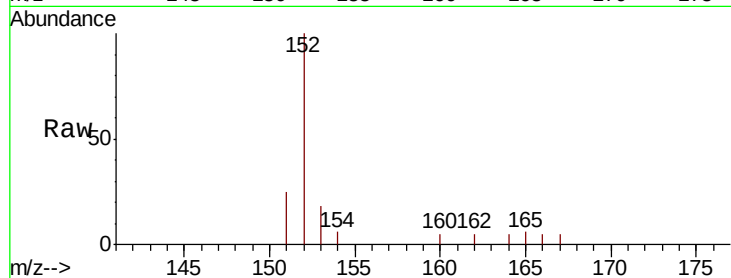
Tot Ion:152 Resp: 1290

Ion Ratio Lower Upper

152 100

151 25.4 20.2 30.4

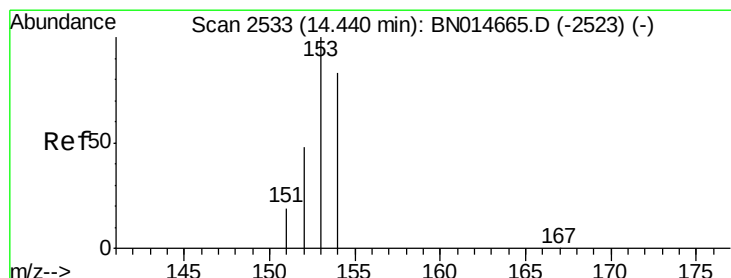
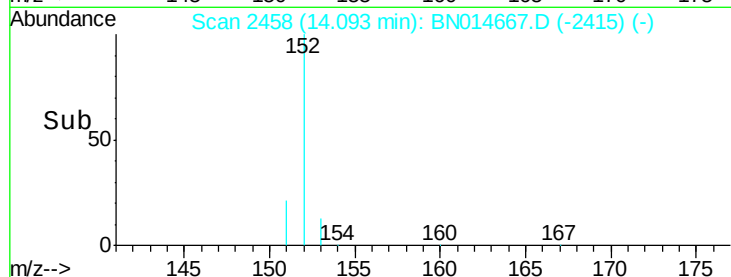
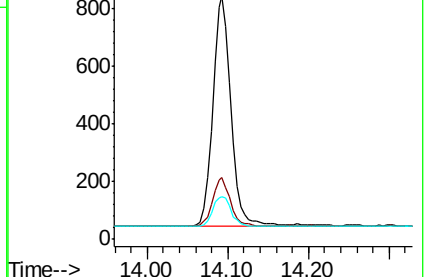
153 17.7 14.2 21.4



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: 0.315 ng/ul

RT: 14.44 min Scan# 2532

Delta R.T. -0.00 min

Lab File: BN014667.D

Acq: 18 May 2021 17:12

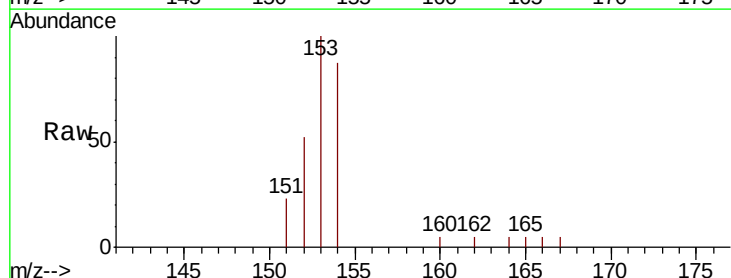
Tgt Ion:153 Resp: 1239

Ion Ratio Lower Upper

153 100

152 51.7 39.7 59.5

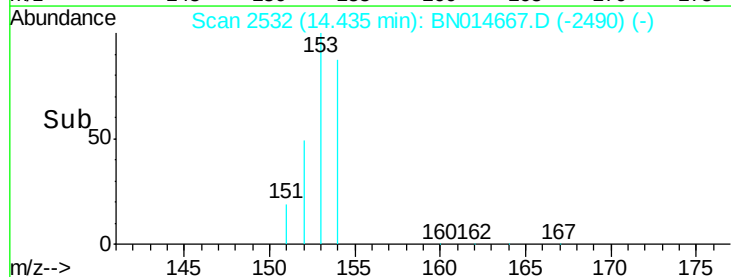
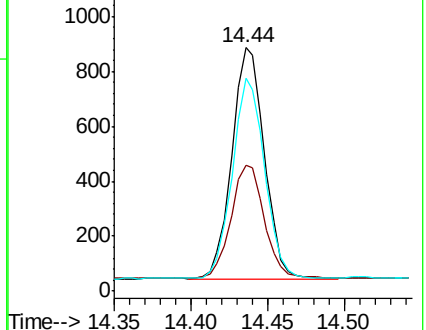
154 87.4 71.0 106.4

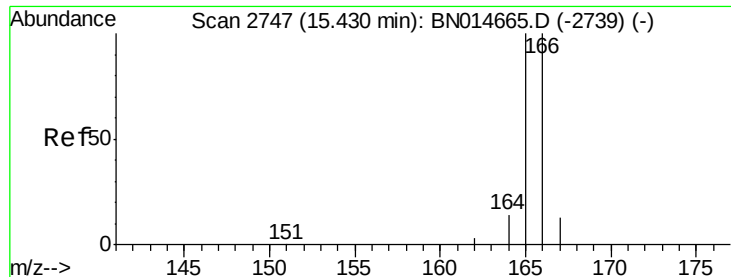


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.310 ng/ul

RT: 15.43 min Scan# 2747

Delta R.T. -0.00 min

Lab File: BN014667.D

Acq: 18 May 2021 17:12

Instrument :

BNA_N

ClientSampled :

SLCS511

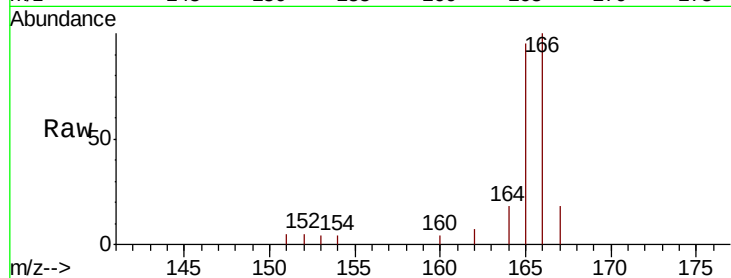
Tot Ion:166 Resp: 1497

Ion Ratio Lower Upper

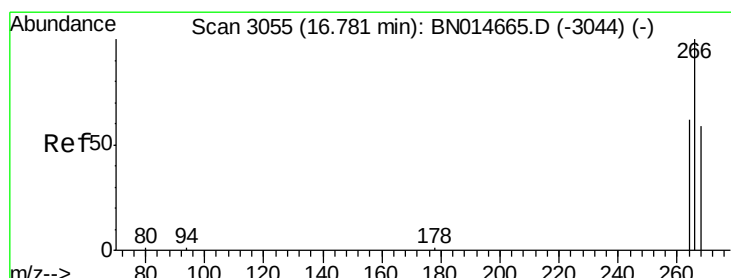
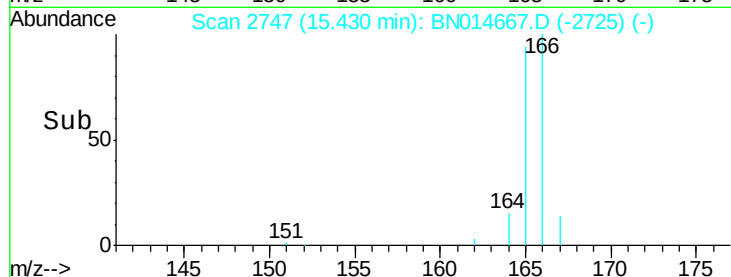
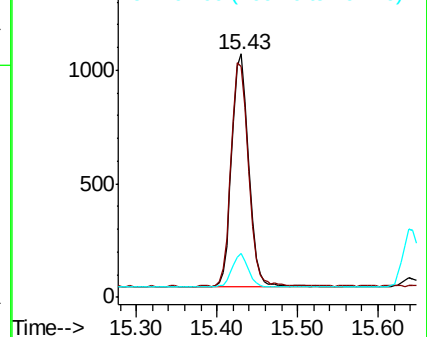
166 100

165 94.6 79.3 118.9

167 17.8 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: 0.724 ng/ul

RT: 16.78 min Scan# 3054

Delta R.T. -0.00 min

Lab File: BN014667.D

Acq: 18 May 2021 17:12

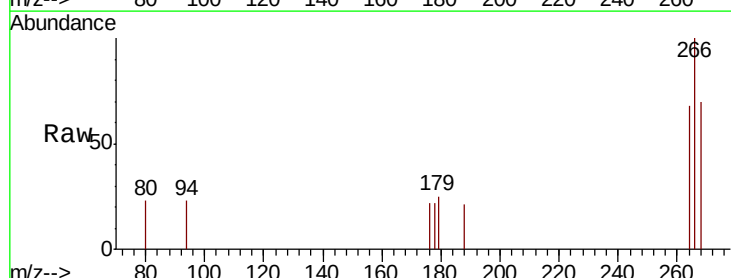
Tgt Ion:266 Resp: 288

Ion Ratio Lower Upper

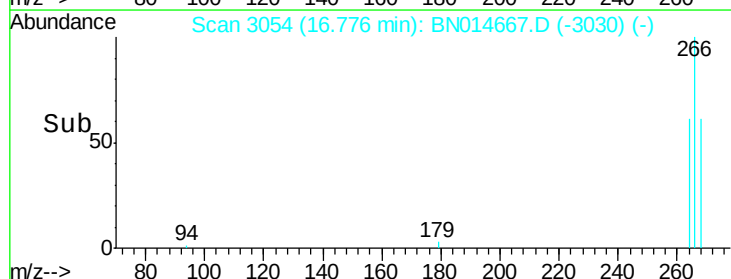
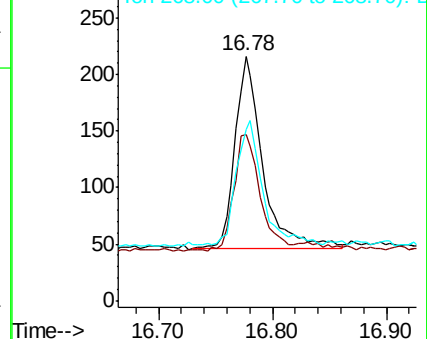
266 100

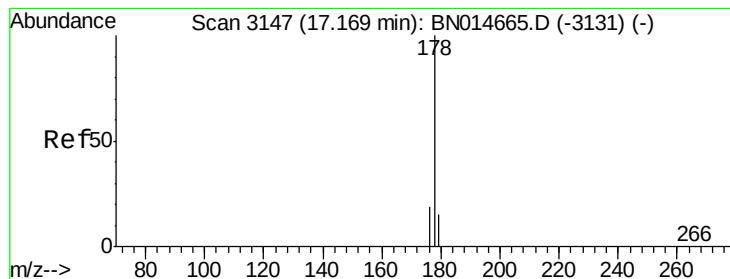
264 57.6 52.9 79.3

268 61.8 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: 0.319 ng/ul

RT: 17.17 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BN014667.D

Acq: 18 May 2021 17:12

Instrument :

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ClientSampleId :

SLCS511

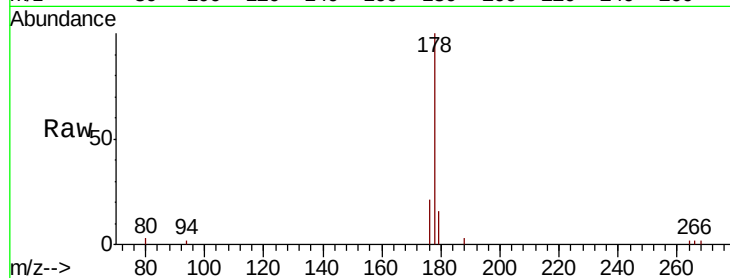
Tot Ion:178 Resp: 2807

Ion Ratio Lower Upper

178 100

179 16.5 13.8 20.6

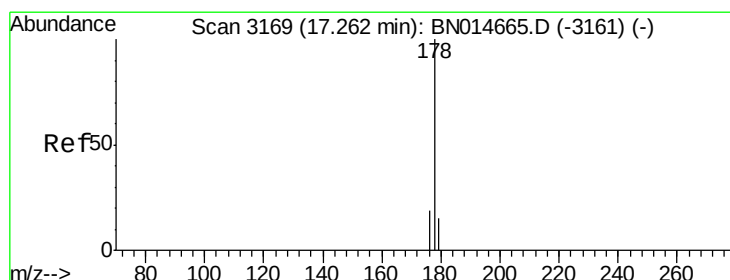
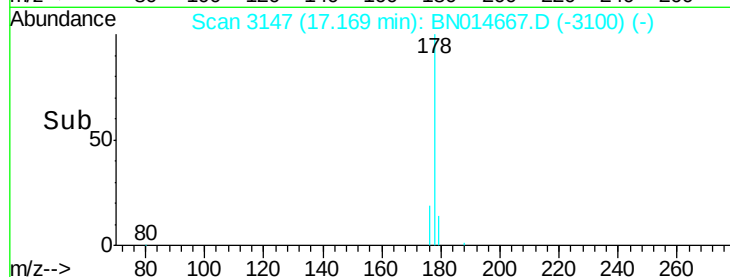
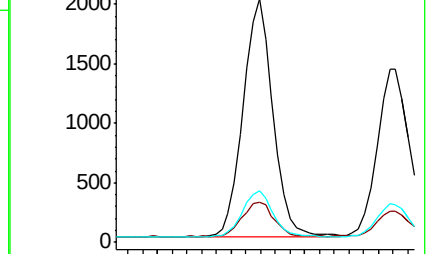
176 21.1 16.2 24.4



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: 0.325 ng/ul

RT: 17.26 min Scan# 3168

Delta R.T. -0.00 min

Lab File: BN014667.D

Acq: 18 May 2021 17:12

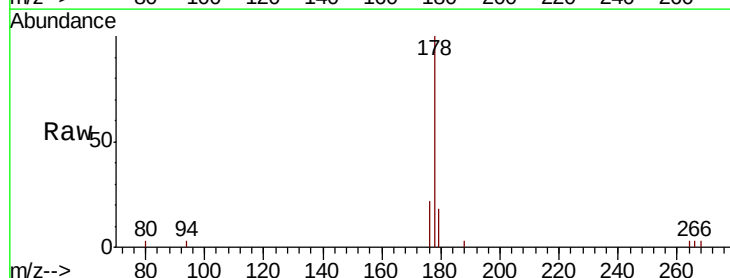
Tgt Ion:178 Resp: 2229

Ion Ratio Lower Upper

178 100

179 18.3 14.3 21.5

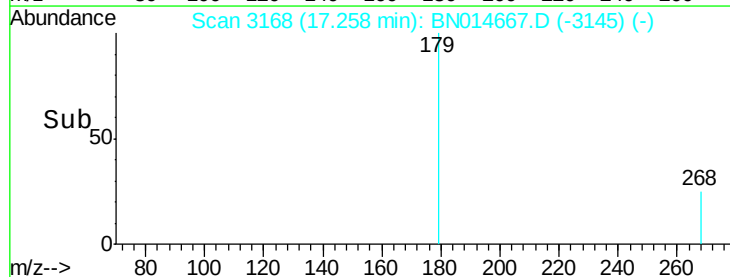
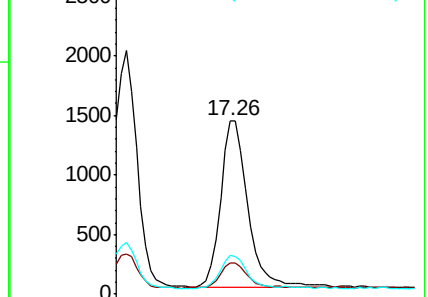
176 22.0 17.1 25.7

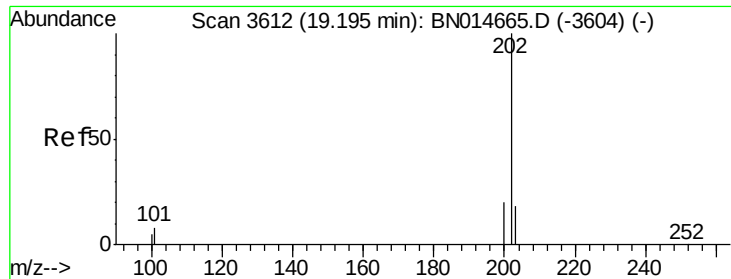


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

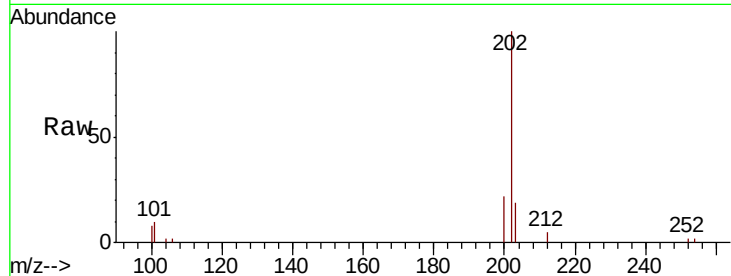




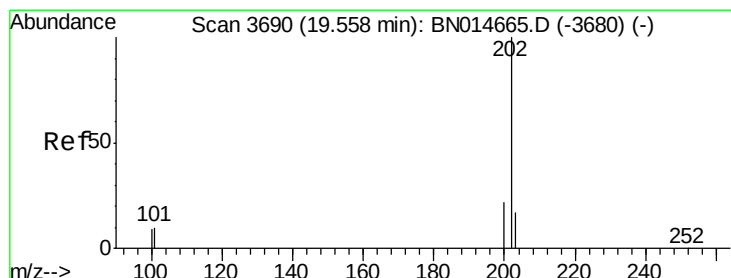
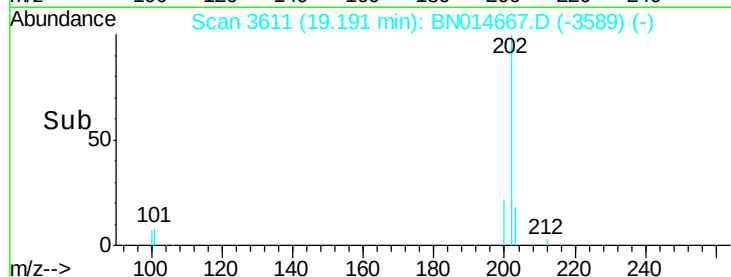
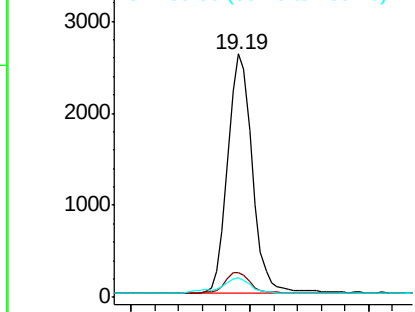
#19
Fluoranthene
Concen: 0.363 ng/ul
RT: 19.19 min Scan# 3611
Delta R.T. -0.00 min
Lab File: BN014667.D
Acq: 18 May 2021 17:12

Instrument :
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Tot Ion:202 Resp: 3726
Ion Ratio Lower Upper
202 100
101 9.9 7.6 11.4
100 8.3 5.9 8.9

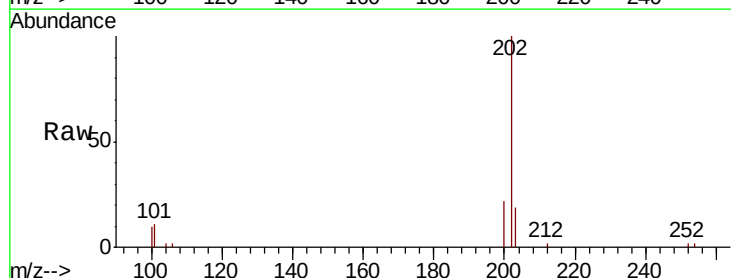


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

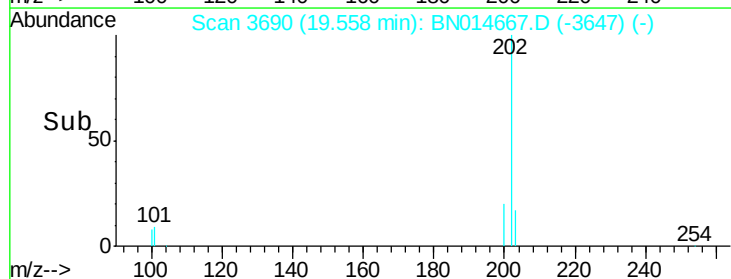
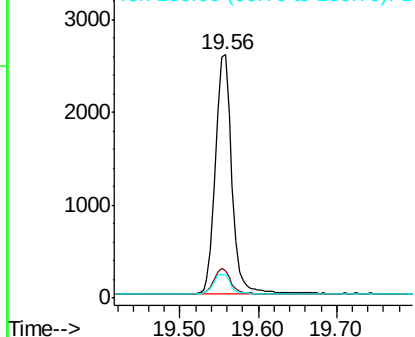


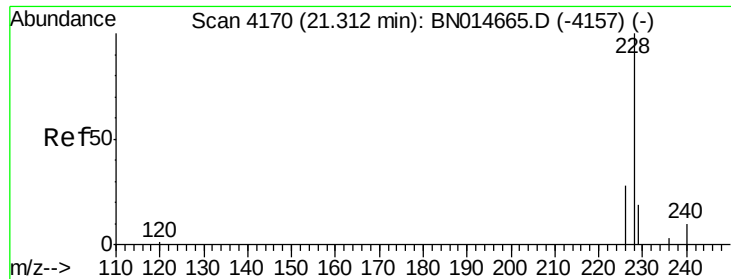
#20
Pyrene
Concen: 0.359 ng/ul
RT: 19.56 min Scan# 3690
Delta R.T. -0.00 min
Lab File: BN014667.D
Acq: 18 May 2021 17:12

Tgt Ion:202 Resp: 3734
Ion Ratio Lower Upper
202 100
101 11.0 8.5 12.7
100 9.8 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: 0.347 ng/ul

RT: 21.31 min Scan# 4169

Delta R.T. 0.00 min

Lab File: BN014667.D

Acq: 18 May 2021 17:12

Instrument :

BNA_N

ClientSampleId :

SLCS511

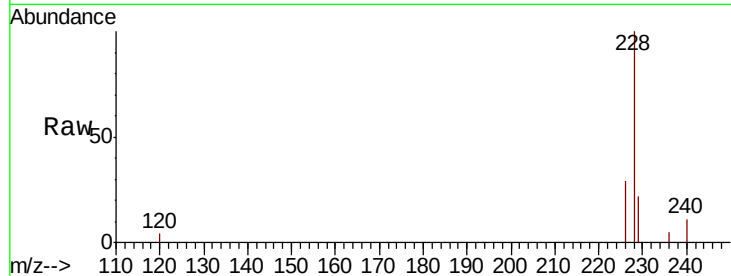
Tot Ion:228 Resp: 3628

Ion Ratio Lower Upper

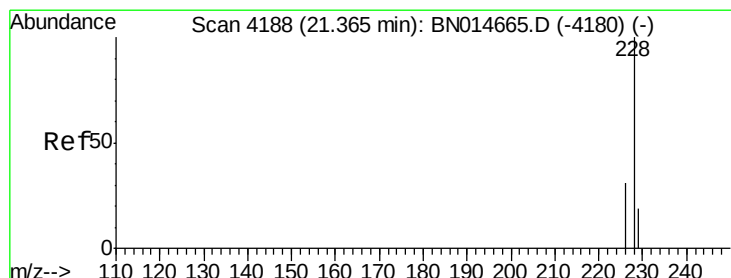
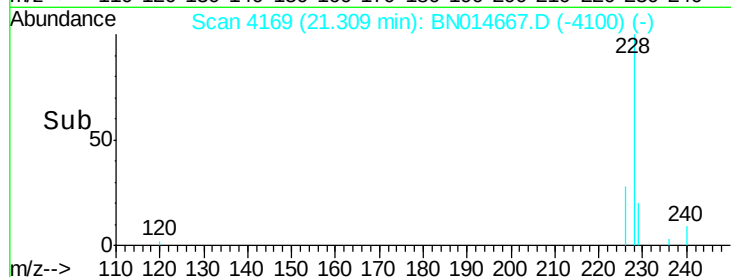
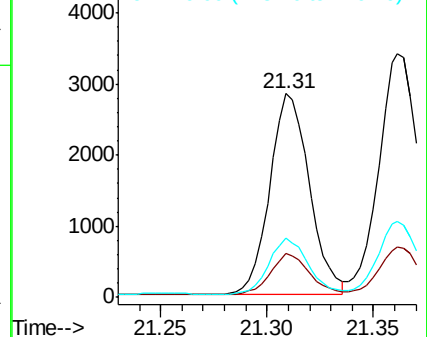
228 100

229 21.7 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: 0.380 ng/ul

RT: 21.36 min Scan# 4187

Delta R.T. 0.00 min

Lab File: BN014667.D

Acq: 18 May 2021 17:12

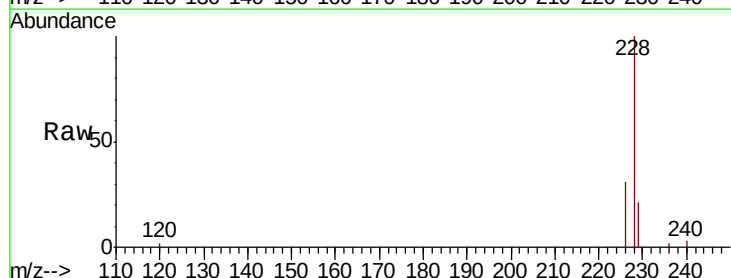
Tgt Ion:228 Resp: 4534

Ion Ratio Lower Upper

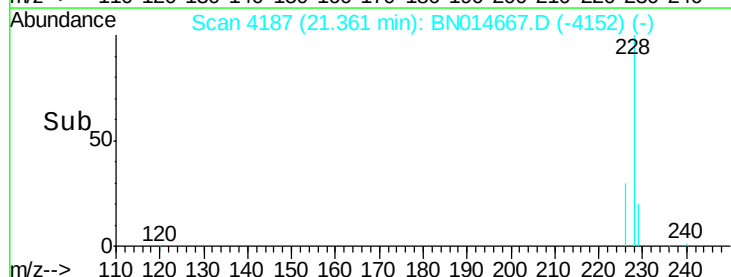
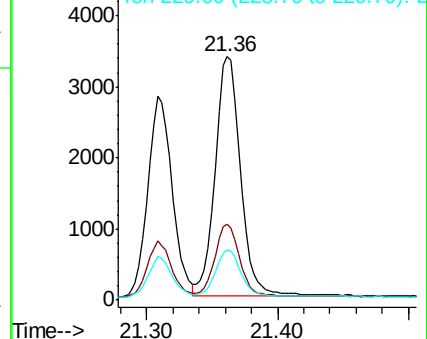
228 100

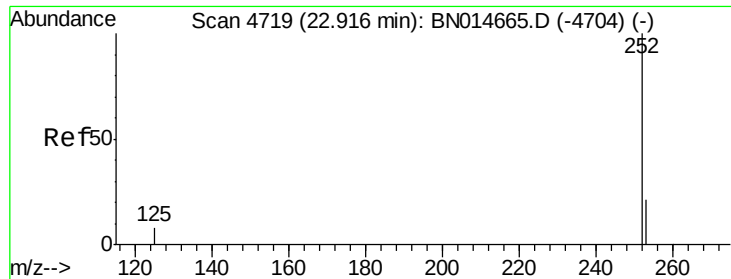
226 31.3 25.3 37.9

229 20.8 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: 0.347 ng/ul

RT: 22.91 min Scan# 4717

Delta R.T. 0.00 min

Lab File: BN014667.D

Acq: 18 May 2021 17:12

Instrument :

BNA_N

ClientSampleId :

SLCS511

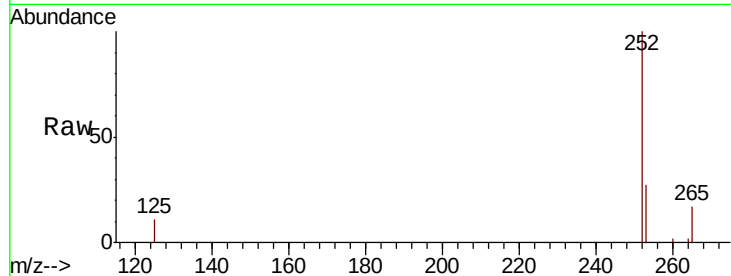
Tot Ion:252 Resp: 4576

Ion Ratio Lower Upper

252 100

253 26.9 0.0 50.2

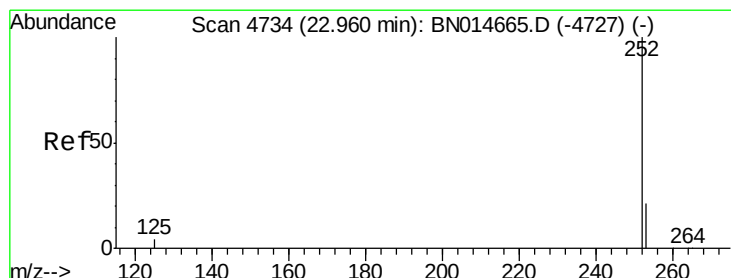
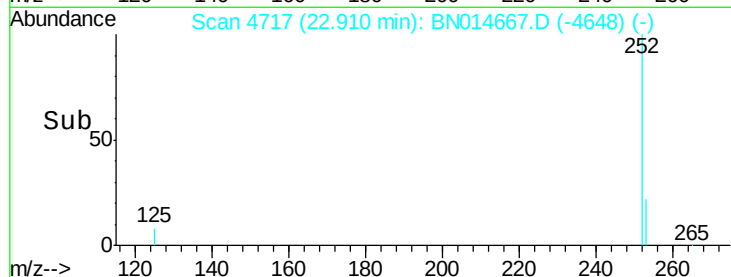
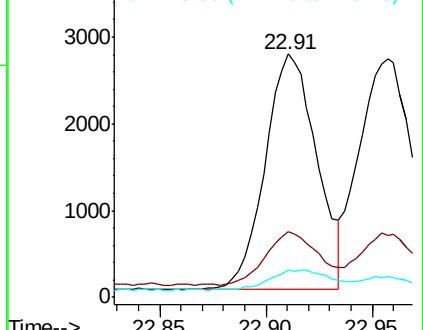
125 11.0 0.0 19.4



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: 0.356 ng/ul

RT: 22.96 min Scan# 4733

Delta R.T. 0.01 min

Lab File: BN014667.D

Acq: 18 May 2021 17:12

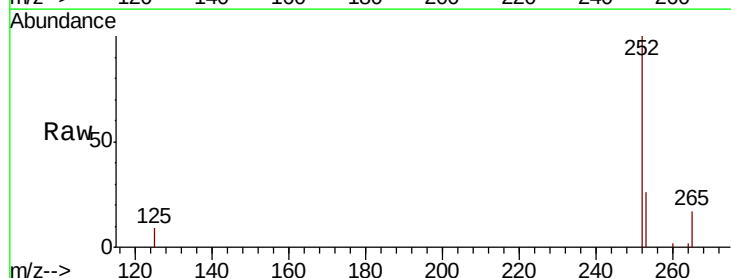
Tgt Ion:252 Resp: 4945

Ion Ratio Lower Upper

252 100

253 26.0 20.5 30.7

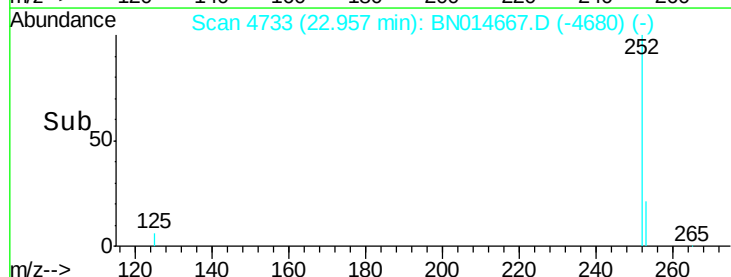
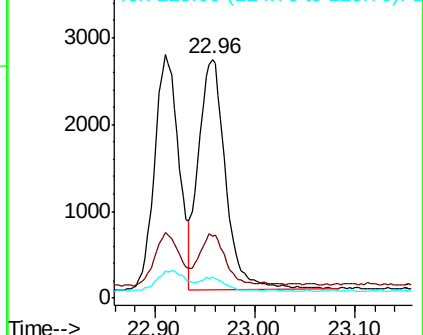
125 9.0 6.9 10.3

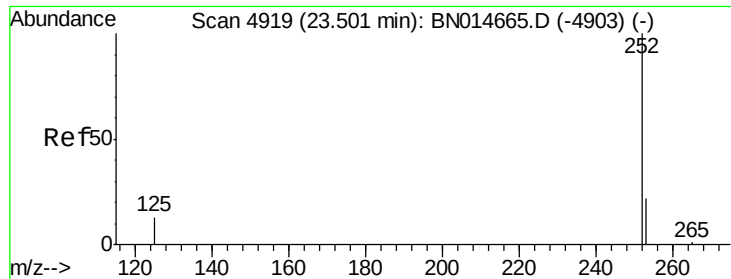


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.50 min Scan# 4917

Delta R.T. 0.01 min

Lab File: BN014667.D

Acq: 18 May 2021 17:12

Instrument :

BNA_N

ClientSampleId :

SLCS511

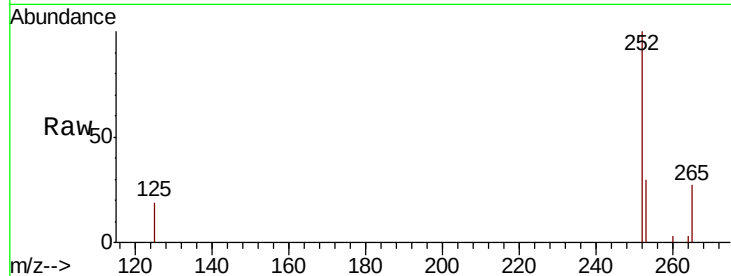
Tot Ion:252 Resp: 3737

Ion Ratio Lower Upper

252 100

253 30.4 23.0 34.6

125 18.7 9.5 14.3#

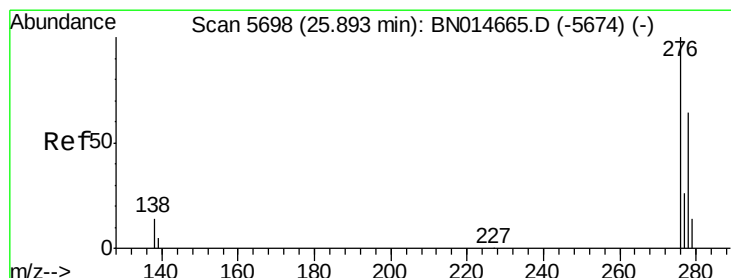
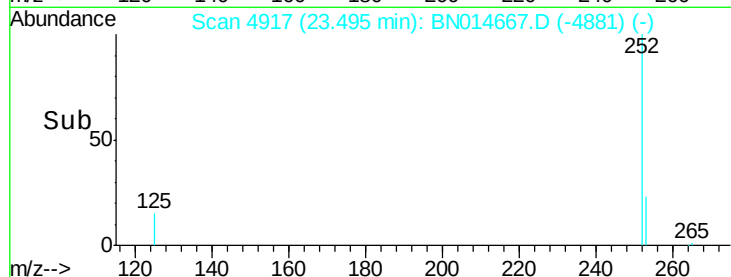
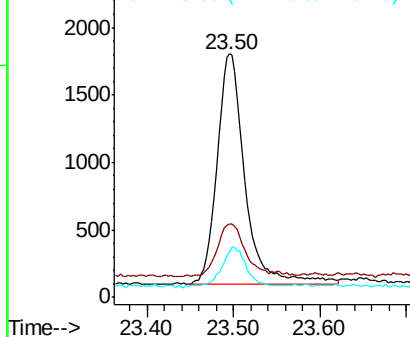


Abundance

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: 0.377 ng/ul

RT: 25.88 min Scan# 5695

Delta R.T. -0.00 min

Lab File: BN014667.D

Acq: 18 May 2021 17:12

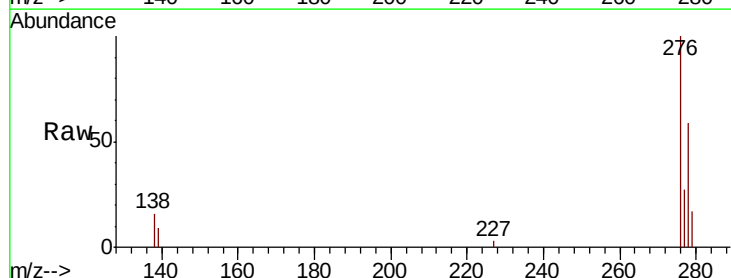
Tgt Ion:276 Resp: 5413

Ion Ratio Lower Upper

276 100

138 13.0 10.9 16.3

227 0.1 0.1 0.1#

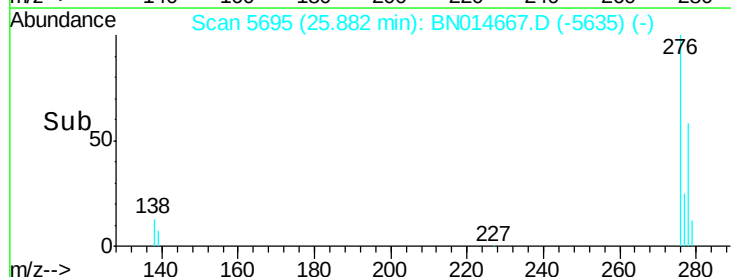
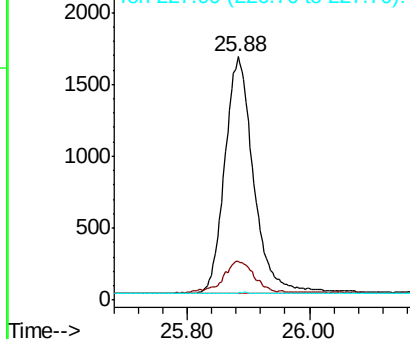


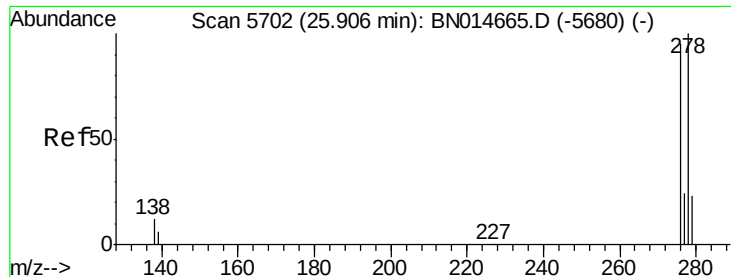
Abundance

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: 0.379 ng/ul

RT: 25.90 min Scan# 5699

Delta R.T. -0.00 min

Lab File: BN014667.D

Acq: 18 May 2021 17:12

Instrument :

BNA_N

ClientSampleId :

SLCS511

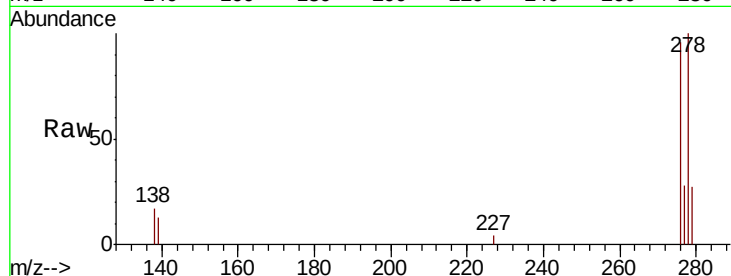
Tot Ion:278 Resp: 4362

Ion Ratio Lower Upper

278 100

139 12.8 10.6 16.0

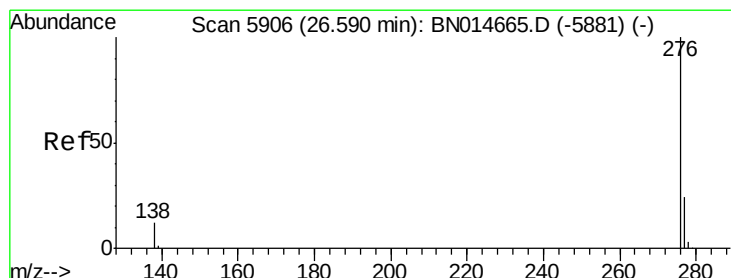
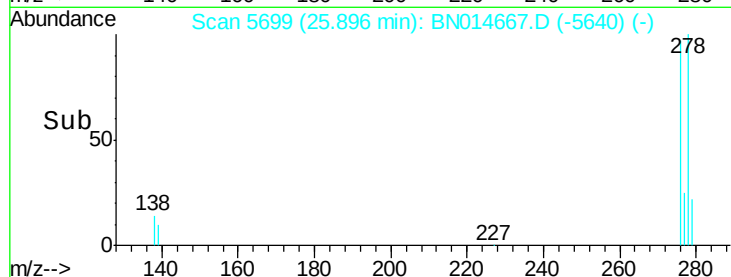
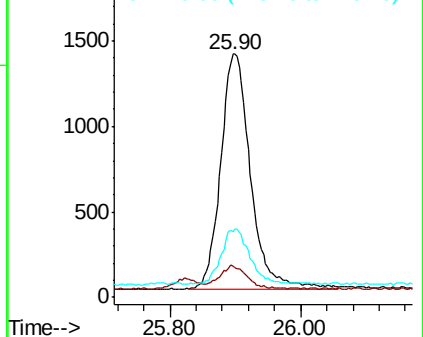
279 26.9 22.6 34.0



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



#29

Benzo(g,h,i)perylene

Concen: 0.359 ng/ul

RT: 26.58 min Scan# 5902

Delta R.T. -0.00 min

Lab File: BN014667.D

Acq: 18 May 2021 17:12

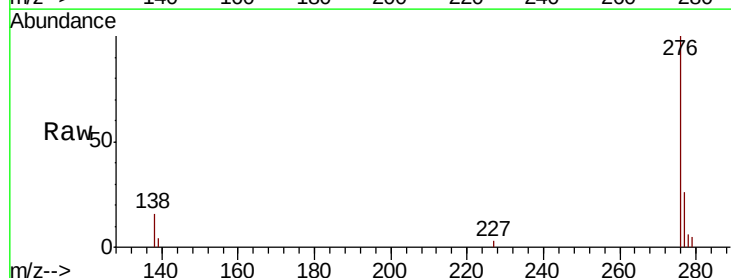
Tgt Ion:276 Resp: 4392

Ion Ratio Lower Upper

276 100

138 15.6 11.5 17.3

277 26.2 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

