

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051221\
 Data File : BN014574.D
 Acq On : 12 May 2021 11:43
 Operator : CG/JU
 Sample : SSTD0.202
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.2002

Quant Time: May 12 12:54:06 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 : Wed May 12 12:52:43 2021
 Response via : Initial Calibration

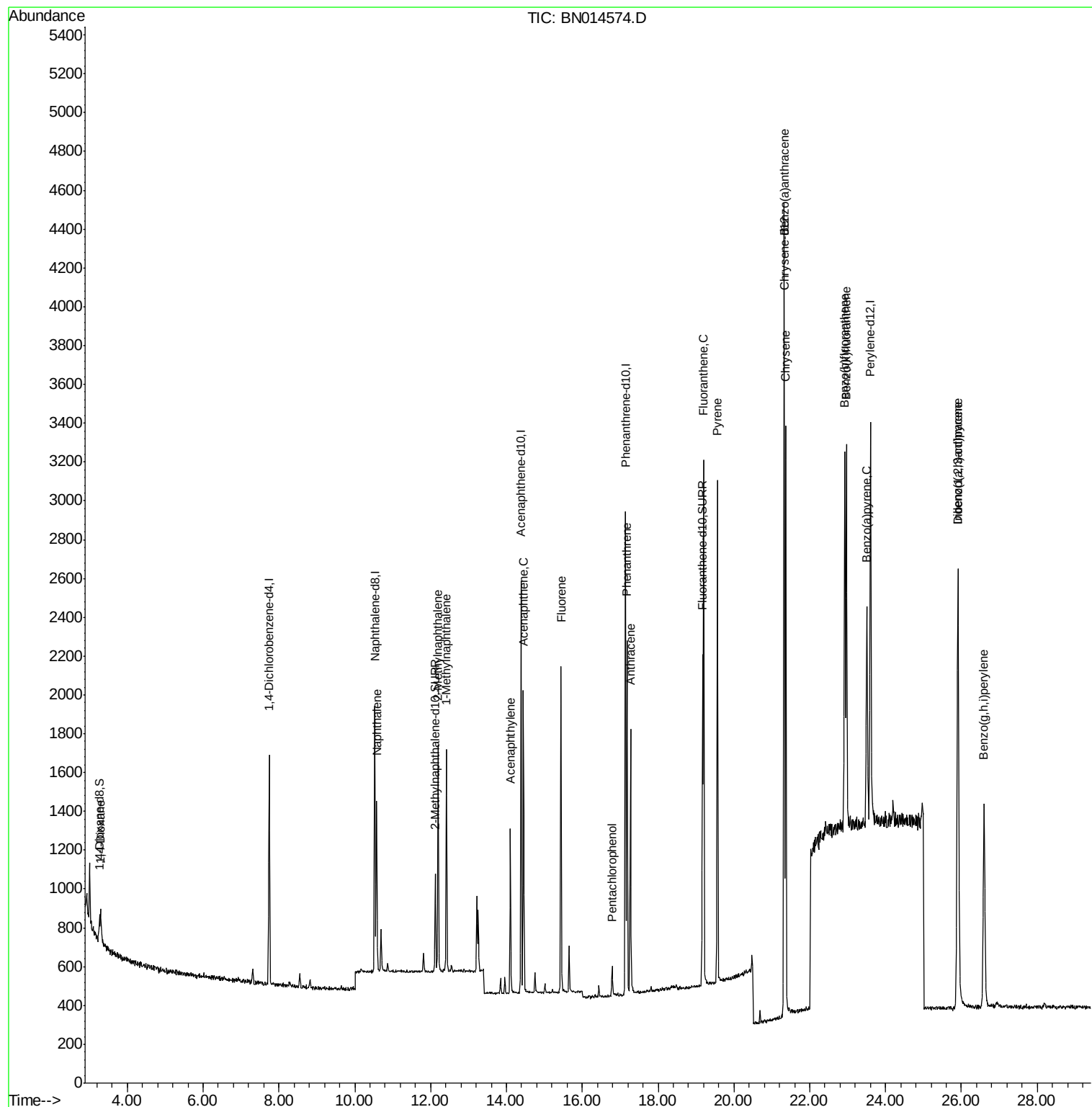
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	559	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	1851	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.38	164	1204	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.14	188	2969	0.40	ng/ul	0.00
17) Chrysene-d12	21.33	240	3340	0.40	ng/ul	0.00
23) Perylene-d12	23.60	264	2878	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.27	96	122	0.20	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.12	152	656	0.23	ng/ul	0.00
18) Fluoranthene-d10	19.17	212	1934	0.19	ng/ul	0.00
Target Compounds					Ovalue	
2) 1,4-Dioxane	3.30	88	163	0.263	ng/ul	96
5) Naphthalene	10.58	128	1130	0.206	ng/ul	96
7) 2-Methylnaphthalene	12.20	142	818	0.234	ng/ul	100
8) 1-Methylnaphthalene	12.42	142	773	0.230	ng/ul	96
10) Acenaphthylene	14.10	152	948	0.168	ng/ul#	95
11) Acenaphthene	14.45	153	879	0.200	ng/ul	98
12) Fluorene	15.44	166	1053	0.215	ng/ul	99
14) Pentachlorophenol	16.79	266	130	0.135	ng/ul	92
15) Phenanthrene	17.18	178	1893	0.197	ng/ul	97
16) Anthracene	17.27	178	1544	0.184	ng/ul	96
19) Fluoranthene	19.20	202	2306	0.172	ng/ul	97
20) Pyrene	19.56	202	2315	0.170	ng/ul#	94
21) Benzo(a)anthracene	21.31	228	2122	0.172	ng/ul	97
22) Chrysene	21.37	228	2582	0.201	ng/ul	98
24) Benzo(b)fluoranthene	22.92	252	2589	0.200	ng/ul	90
25) Benzo(k)fluoranthene	22.96	252	2565	0.195	ng/ul#	90
26) Benzo(a)pyrene	23.50	252	2067	0.192	ng/ul#	89
27) Indeno(1,2,3-cd)pyrene	25.90	276	2925	0.198	ng/ul#	60
28) Dibenzo(a,h)anthracene	25.91	278	2421	0.205	ng/ul#	93
29) Benzo(a,h,i)perylene	26.59	276	2515	0.202	ng/ul#	95

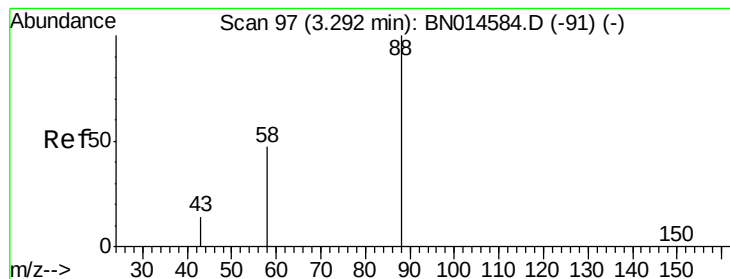
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051221\
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#2

1,4-Dioxane

Concen: 0.263 ng/ul

RT: 3.30 min Scan# 99

Delta R.T. 0.00 min

Lab File: BN014574.D

Acq: 12 May 2021 11:43

Instrument :

BNA_N

ClientSampleId :

SSTD0.2002

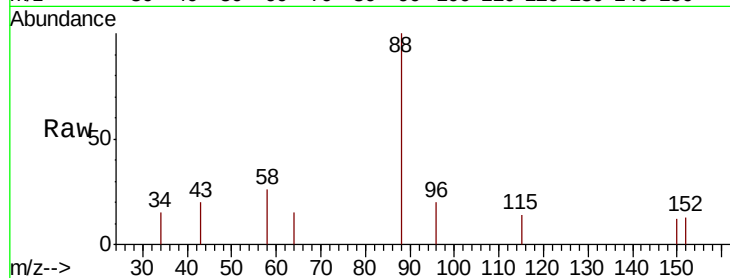
Tot Ion: 88 Resp: 163

Ion Ratio Lower Upper

88 100

43 20.1 15.7 23.5

58 26.1 23.8 35.6

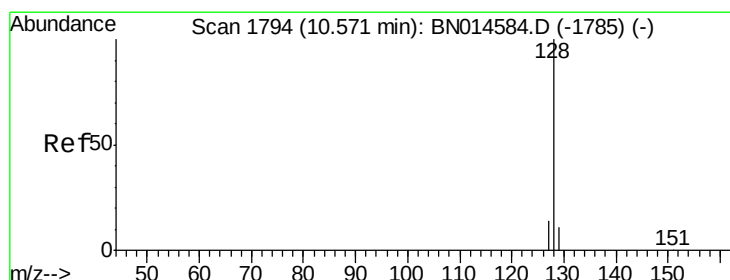
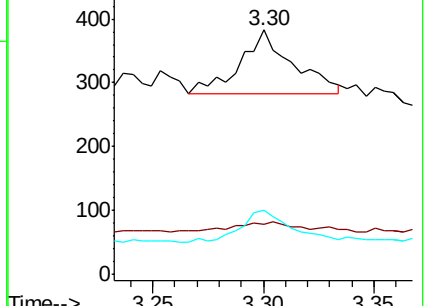
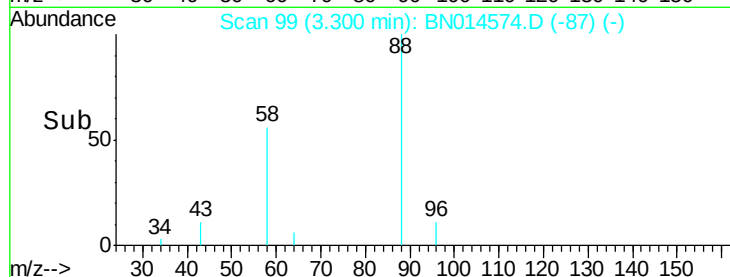


Abundance Ion 88.00 (87.70 to 88.70): BN014584.D (-91) (-)

Ion 43.00 (42.70 to 43.70): BN014584.D (-91) (-)

Ion 58.00 (57.70 to 58.70): BN014584.D (-91) (-)

Time-->



#5

Naphthalene

Concen: 0.206 ng/ul

RT: 10.58 min Scan# 1795

Delta R.T. 0.00 min

Lab File: BN014574.D

Acq: 12 May 2021 11:43

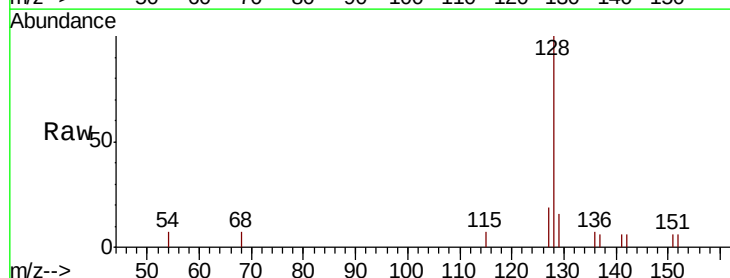
Tgt Ion: 128 Resp: 1130

Ion Ratio Lower Upper

128 100

129 15.9 11.6 17.4

127 18.7 13.3 19.9

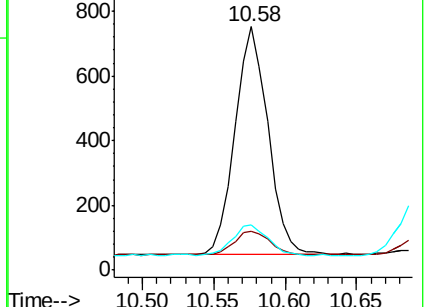
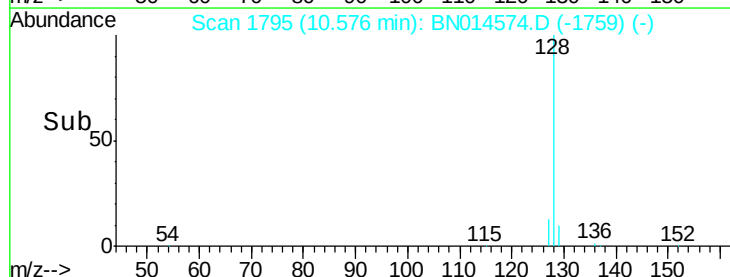


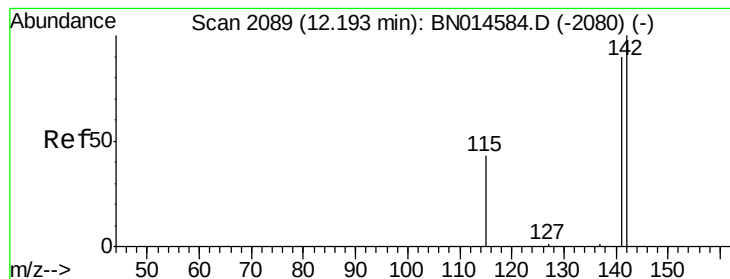
Abundance Ion 128.00 (127.70 to 128.70): BN014584.D (-1785) (-)

Ion 129.00 (128.70 to 129.70): BN014584.D (-1785) (-)

Ion 127.00 (126.70 to 127.70): BN014584.D (-1785) (-)

Time-->





#7

2-Methylnaphthalene

Concen: 0.234 ng/ul

RT: 12.20 min Scan# 2090

Delta R.T. 0.00 min

Lab File: BN014574.D

Acq: 12 May 2021 11:43

Instrument :

BNA_N

ClientSampleId :

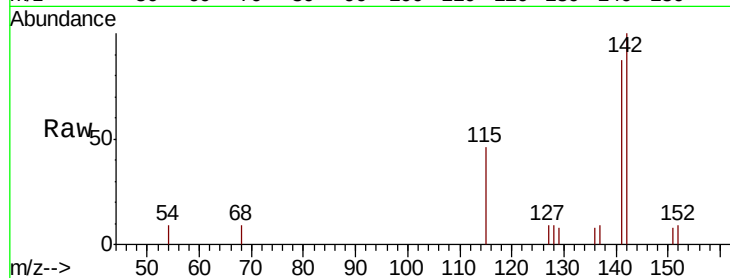
SSTD0.2002

Tot Ion:142 Resp: 818

Ion Ratio Lower Upper

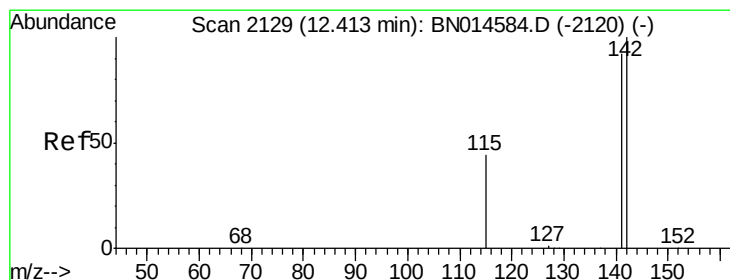
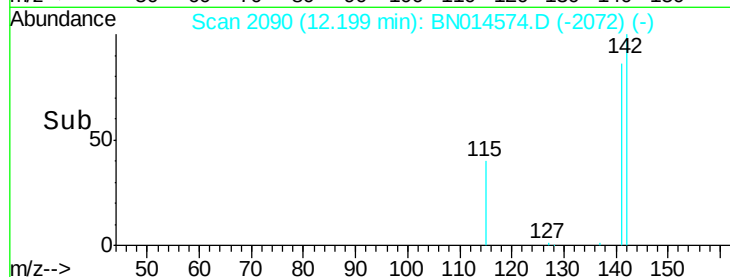
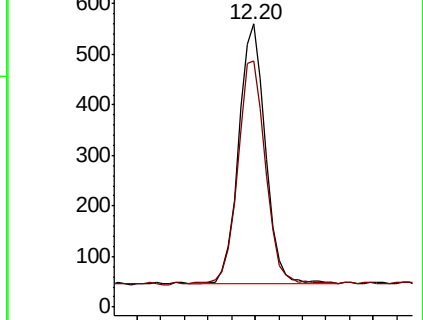
142 100

141 88.6 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: 0.230 ng/ul

RT: 12.42 min Scan# 2130

Delta R.T. 0.00 min

Lab File: BN014574.D

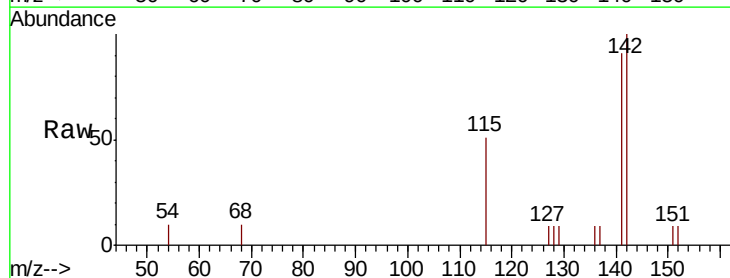
Acq: 12 May 2021 11:43

Tgt Ion:142 Resp: 773

Ion Ratio Lower Upper

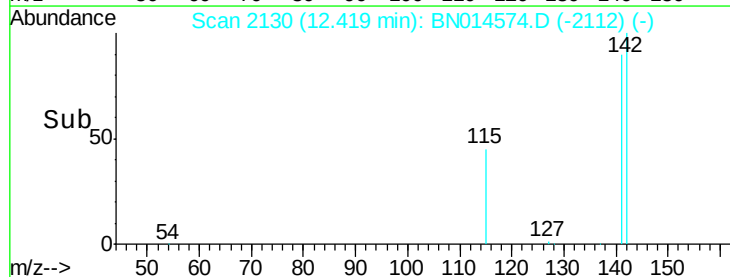
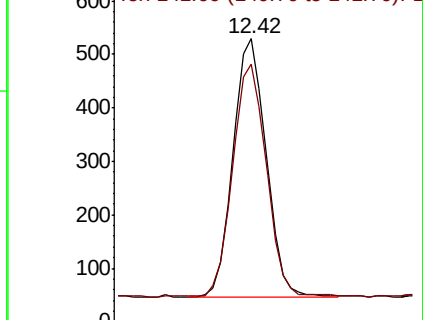
142 100

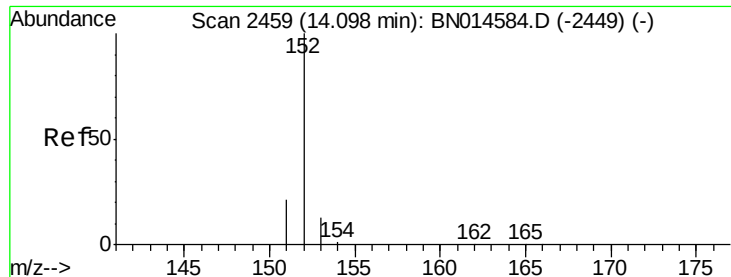
141 91.3 75.9 113.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.168 ng/ul

RT: 14.10 min Scan# 2460

Delta R.T. 0.00 min

Lab File: BN014574.D

Acq: 12 May 2021 11:43

Instrument :

BNA_N

ClientSampleId :

SSTD0.2002

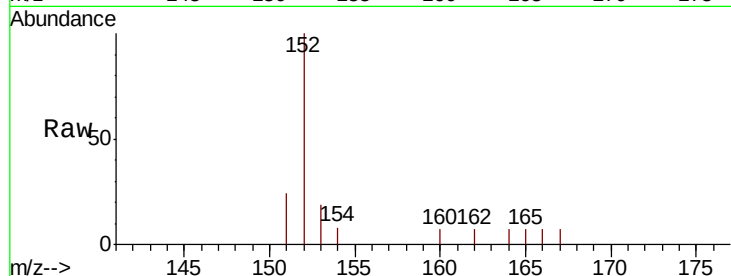
Tot Ion:152 Resp: 948

Ion Ratio Lower Upper

152 100

151 24.0 18.2 27.2

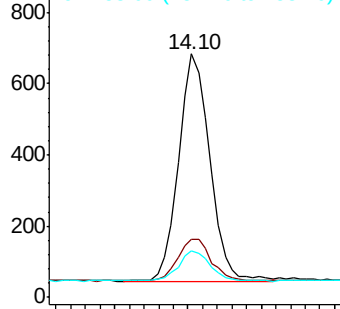
153 19.3 12.8 19.2#



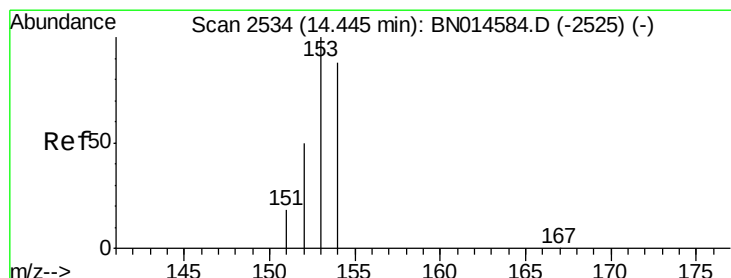
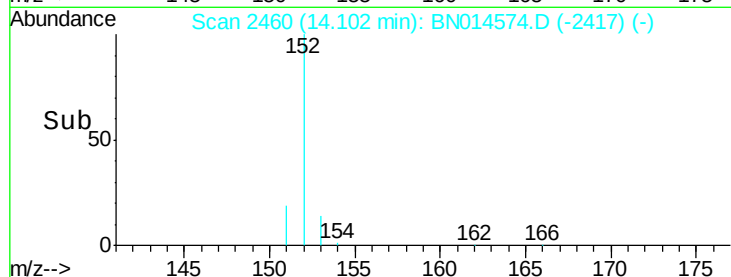
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#11

Acenaphthene

Concen: 0.200 ng/ul

RT: 14.45 min Scan# 2535

Delta R.T. 0.00 min

Lab File: BN014574.D

Acq: 12 May 2021 11:43

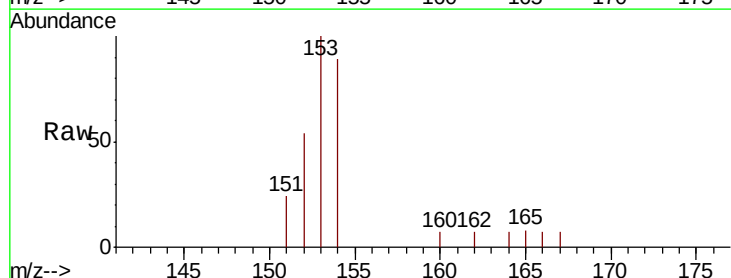
Tgt Ion:153 Resp: 879

Ion Ratio Lower Upper

153 100

152 54.1 40.9 61.3

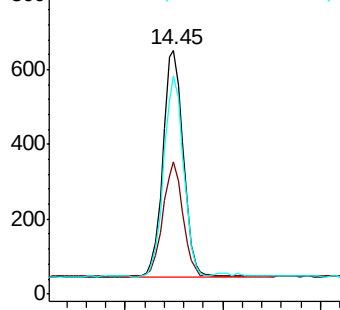
154 89.4 70.7 106.1



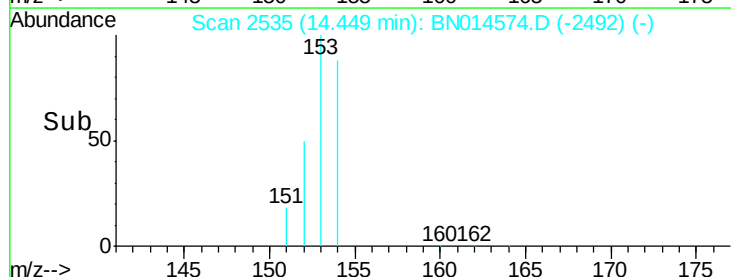
Abundance Ion 153.00 (152.70 to 153.70): E

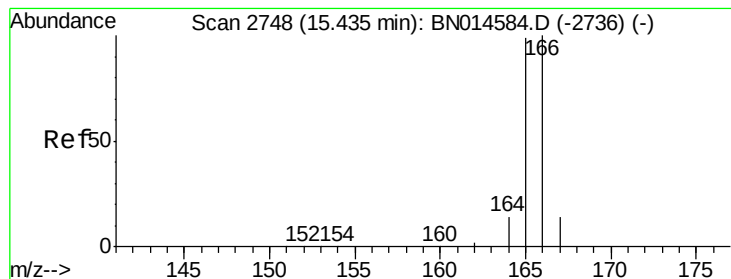
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->





#12

Fluorene

Concen: 0.215 ng/ul

RT: 15.44 min Scan# 2749

Delta R.T. 0.00 min

Lab File: BN014574.D

Acq: 12 May 2021 11:43

Instrument :

BNA_N

ClientSampleId :

SSTD0.2002

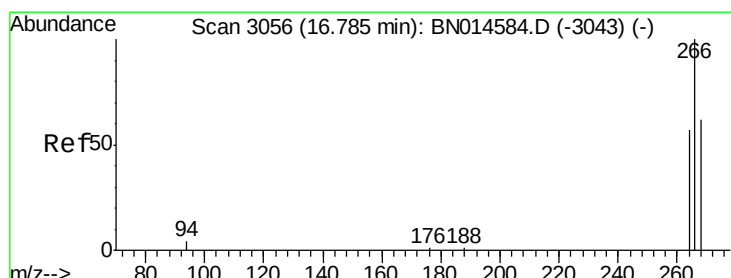
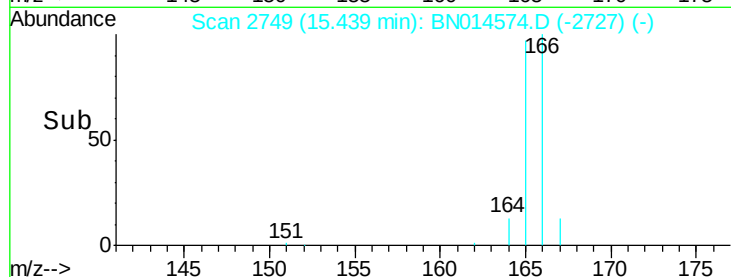
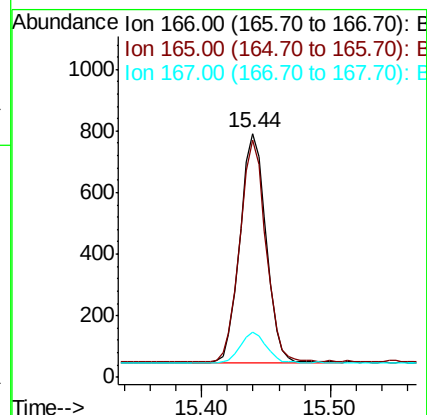
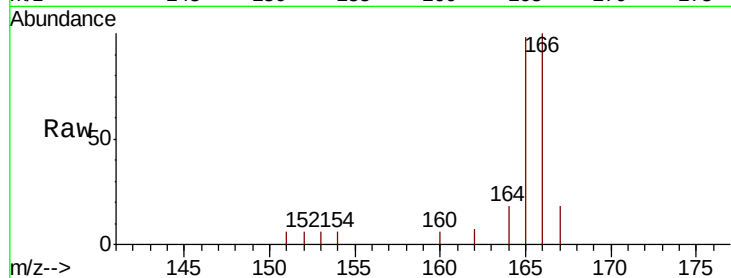
Tot Ion:166 Resp: 1053

Ion Ratio Lower Upper

166 100

165 97.6 78.6 118.0

167 18.5 13.2 19.8



#14

Pentachlorophenol

Concen: 0.135 ng/ul

RT: 16.79 min Scan# 3057

Delta R.T. 0.00 min

Lab File: BN014574.D

Acq: 12 May 2021 11:43

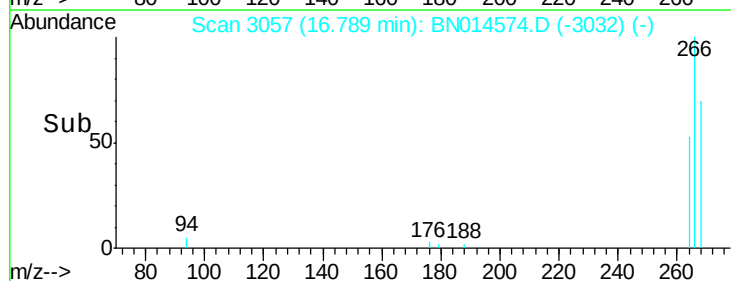
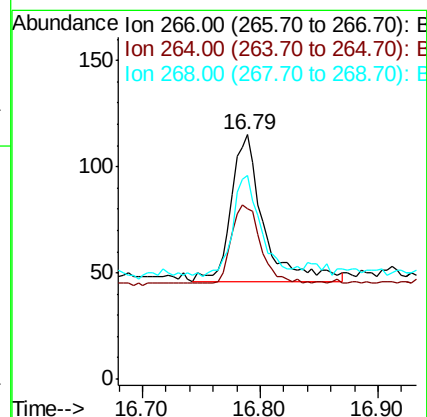
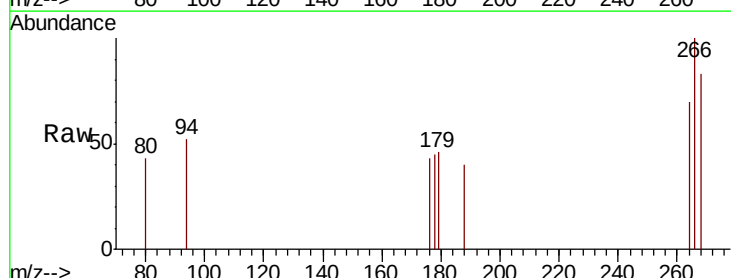
Tgt Ion:266 Resp: 130

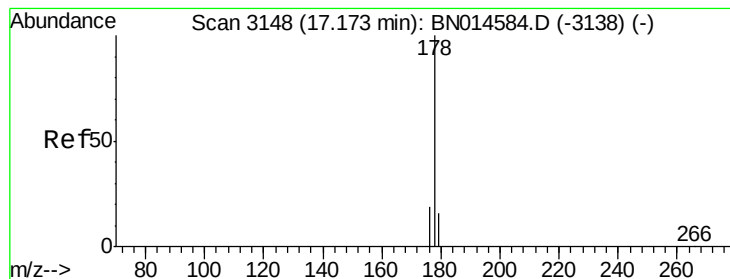
Ion Ratio Lower Upper

266 100

264 50.0 49.4 74.2

268 62.3 49.1 73.7





#15

Phenanthrene

Concen: 0.197 ng/ul

RT: 17.18 min Scan# 3149

Delta R.T. 0.00 min

Lab File: BN014574.D

Acq: 12 May 2021 11:43

Instrument :

BNA_N

ClientSampleId :

SSTD0.2002

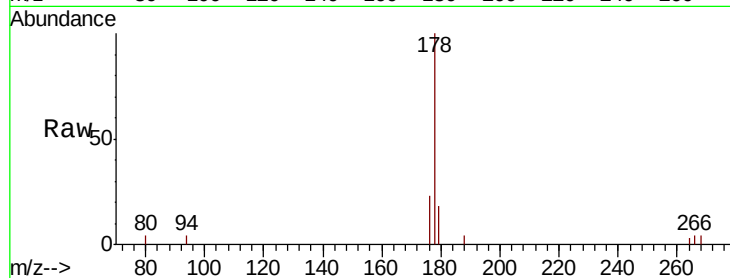
Tot Ion:178 Resp: 1893

Ion Ratio Lower Upper

178 100

179 18.2 14.1 21.1

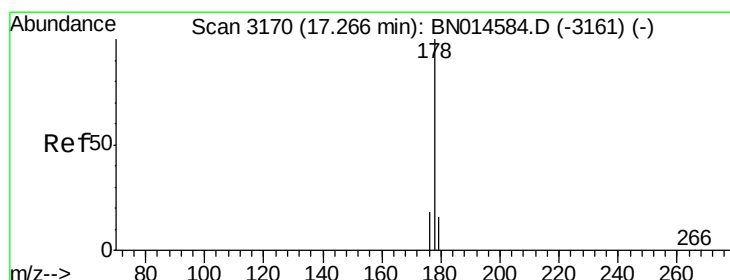
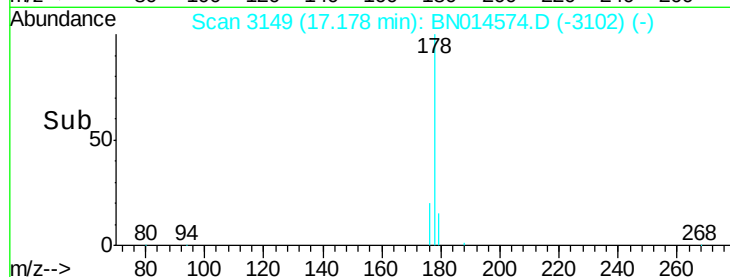
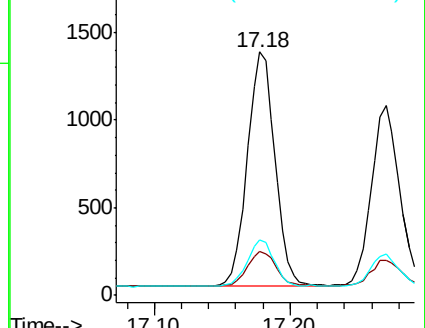
176 22.9 16.9 25.3



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: 0.184 ng/ul

RT: 17.27 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BN014574.D

Acq: 12 May 2021 11:43

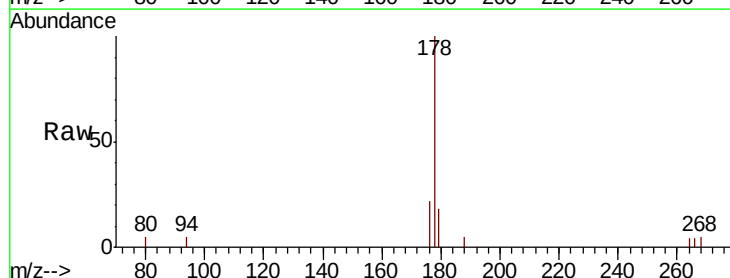
Tgt Ion:178 Resp: 1544

Ion Ratio Lower Upper

178 100

179 18.4 14.1 21.1

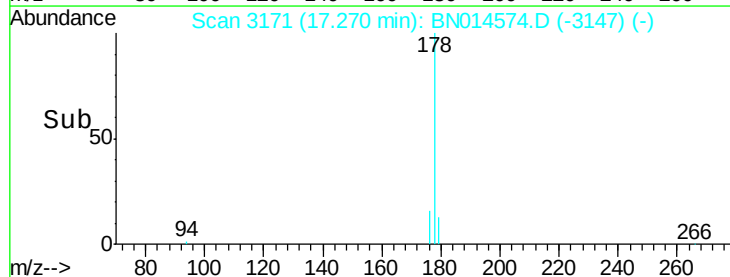
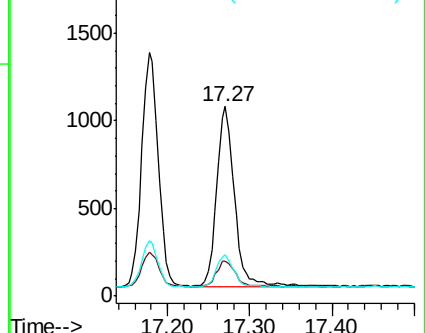
176 22.1 15.8 23.6

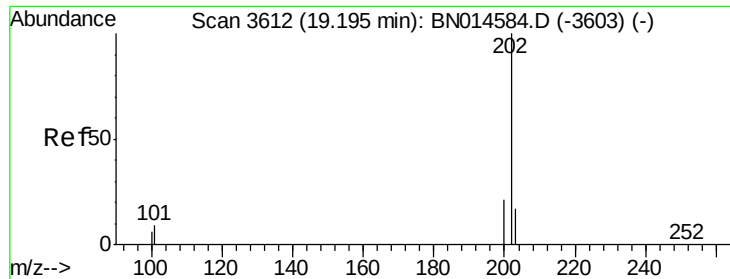


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

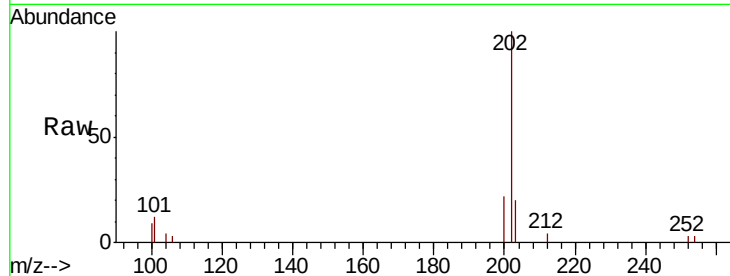




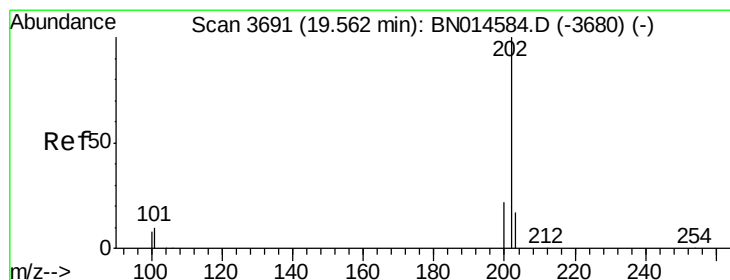
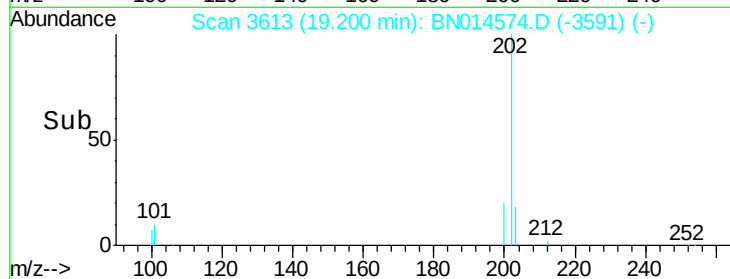
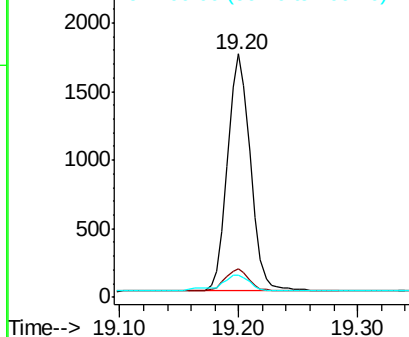
#19
Fluoranthene
Concen: 0.172 ng/ul
RT: 19.20 min Scan# 3613
Delta R.T. 0.00 min
Lab File: BN014574.D
Acq: 12 May 2021 11:43

Instrument :
BNA_N
ClientSampleId :
SSTD0.2002

Tot Ion:202 Resp: 2306
Ion Ratio Lower Upper
202 100
101 12.0 8.3 12.5
100 9.1 6.7 10.1

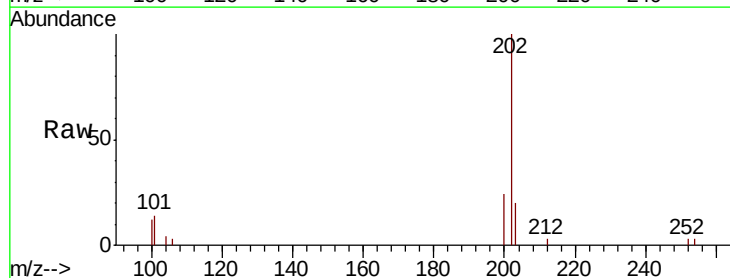


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

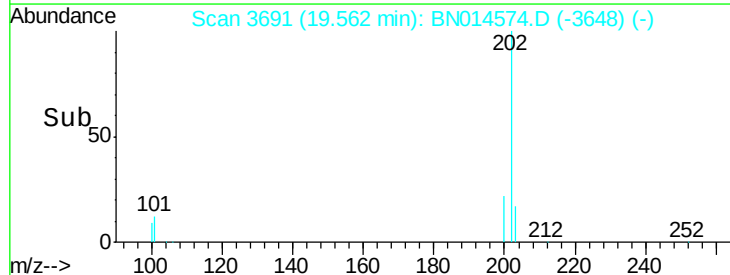
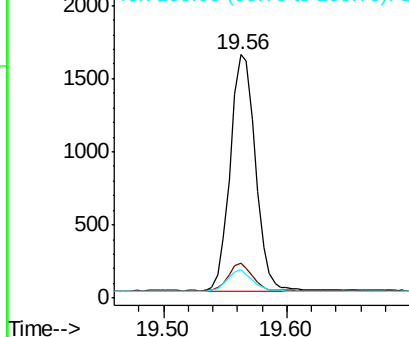


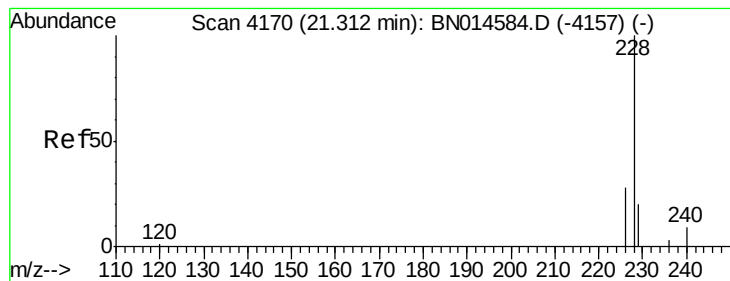
#20
Pyrene
Concen: 0.170 ng/ul
RT: 19.56 min Scan# 3691
Delta R.T. 0.00 min
Lab File: BN014574.D
Acq: 12 May 2021 11:43

Tgt Ion:202 Resp: 2315
Ion Ratio Lower Upper
202 100
101 14.5 9.4 14.0#
100 11.7 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: 0.172 ng/ul

RT: 21.31 min Scan# 4171

Delta R.T. 0.00 min

Lab File: BN014574.D

Acq: 12 May 2021 11:43

Instrument :

BNA_N

ClientSampleId :

SSTD0.2002

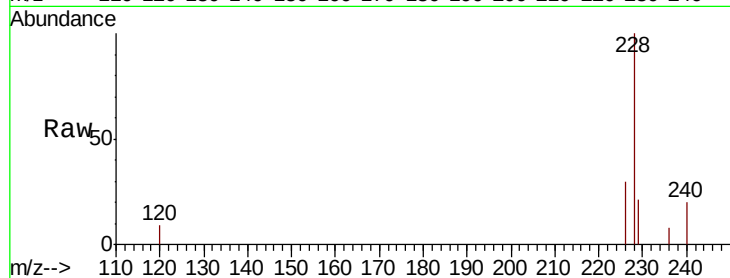
Tot Ion:228 Resp: 2122

Ion Ratio Lower Upper

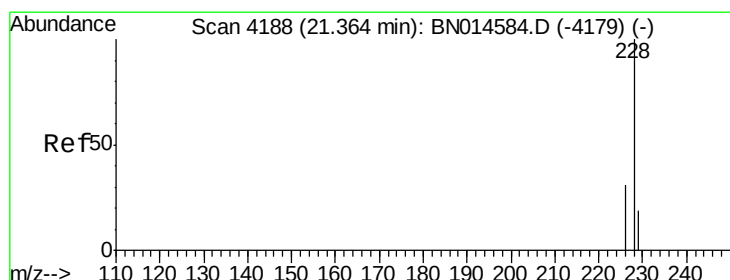
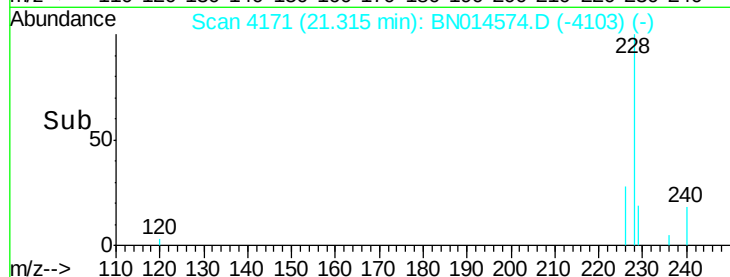
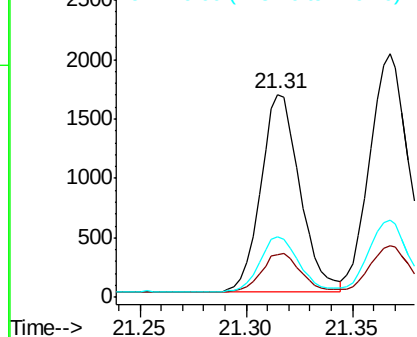
228 100

229 20.9 16.0 24.0

226 29.5 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: 0.201 ng/ul

RT: 21.37 min Scan# 4189

Delta R.T. 0.00 min

Lab File: BN014574.D

Acq: 12 May 2021 11:43

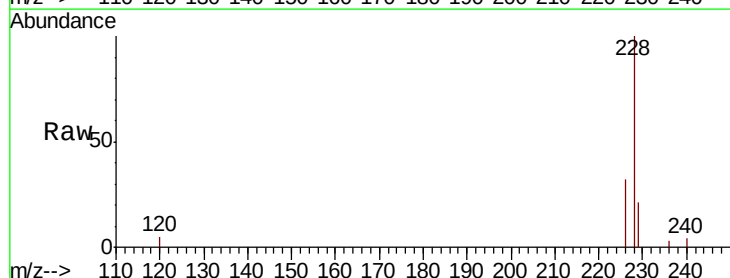
Tgt Ion:228 Resp: 2582

Ion Ratio Lower Upper

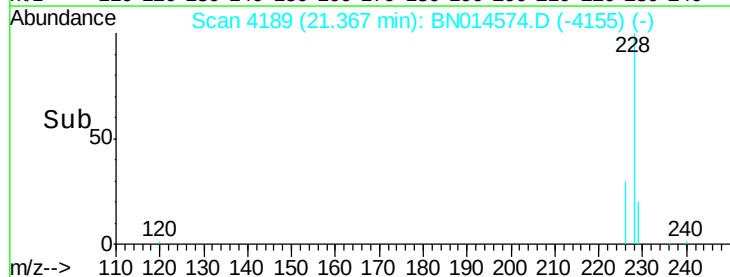
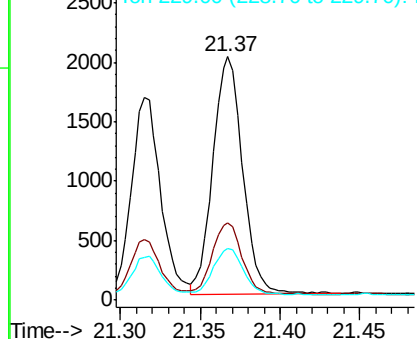
228 100

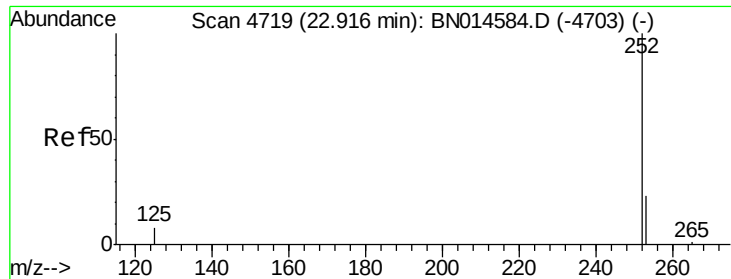
226 31.8 24.9 37.3

229 21.4 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: 0.200 ng/ul

RT: 22.92 min Scan# 4720

Delta R.T. 0.00 min

Lab File: BN014574.D

Acq: 12 May 2021 11:43

Instrument :

BNA_N

ClientSampleId :

SSTD0.2002

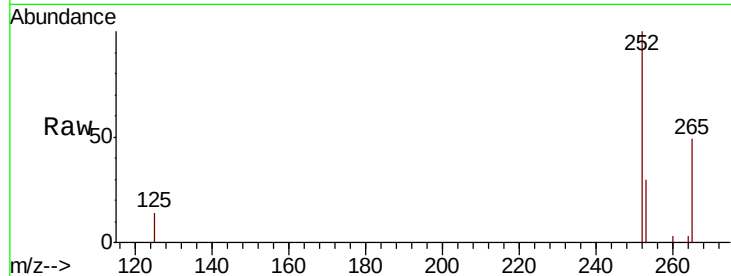
Tot Ion:252 Resp: 2589

Ion Ratio Lower Upper

252 100

253 30.2 0.0 51.0

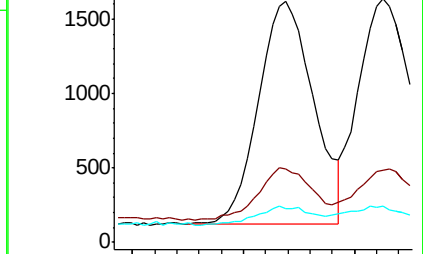
125 13.8 0.0 20.2



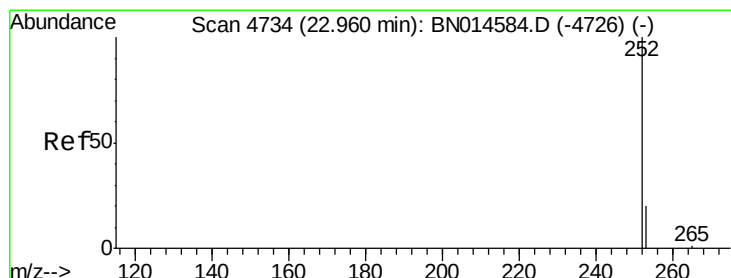
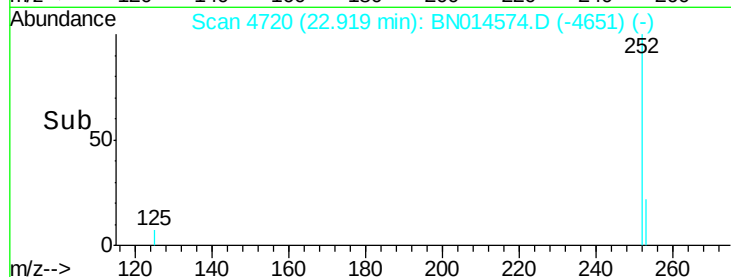
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.85 22.90 22.95



#25

Benzo(k)fluoranthene

Concen: 0.195 ng/ul

RT: 22.96 min Scan# 4735

Delta R.T. 0.00 min

Lab File: BN014574.D

Acq: 12 May 2021 11:43

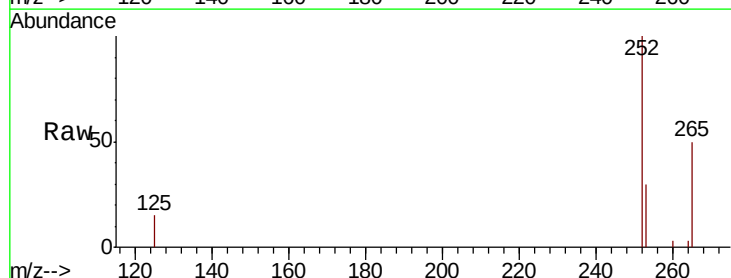
Tgt Ion:252 Resp: 2565

Ion Ratio Lower Upper

252 100

253 29.8 20.2 30.2

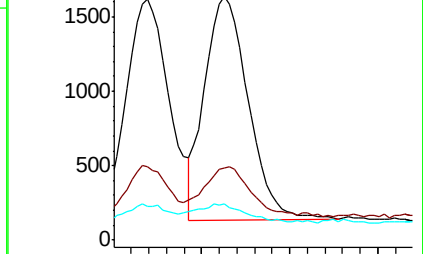
125 15.0 8.4 12.6#



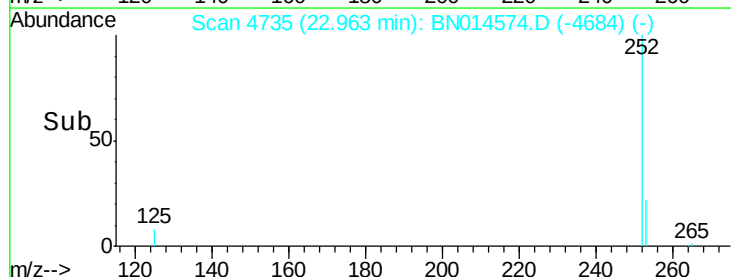
Abundance Ion 252.00 (251.70 to 252.70): E

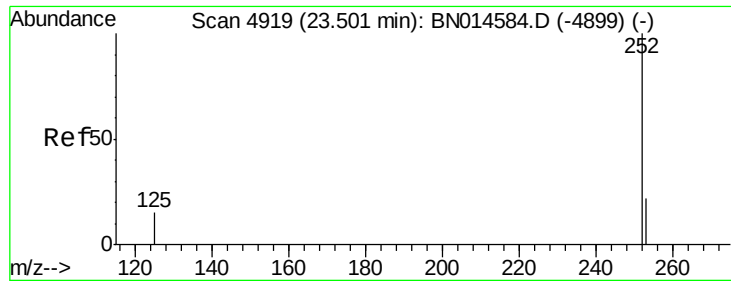
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.95 23.00 23.05





#26

Benzo(a)pyrene

Concen: 0.192 ng/ul

RT: 23.50 min Scan# 4920

Delta R.T. 0.00 min

Lab File: BN014574.D

Acq: 12 May 2021 11:43

Instrument :

BNA_N

ClientSampleId :

SSTD0.2002

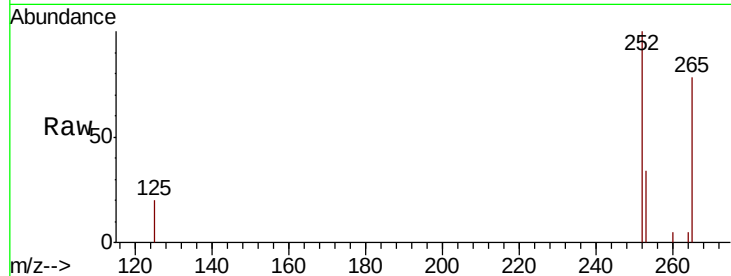
Tot Ion:252 Resp: 2067

Ion Ratio Lower Upper

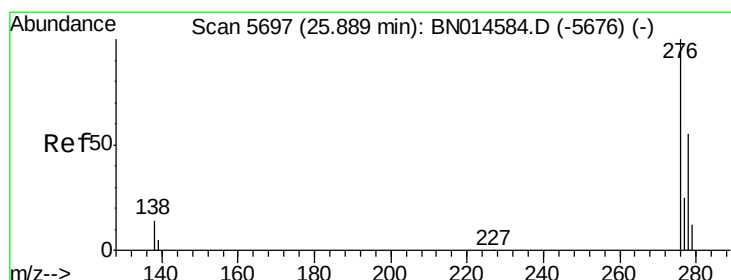
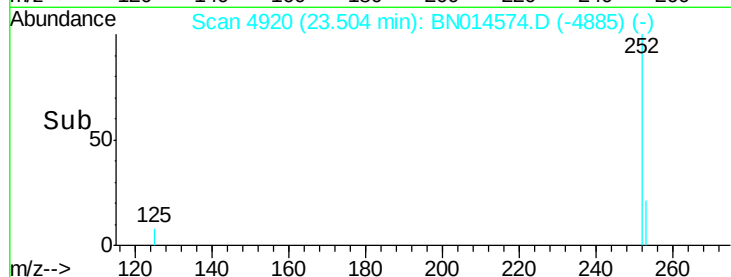
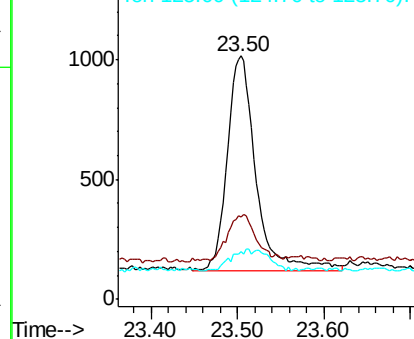
252 100

253 34.1 23.0 34.4

125 19.7 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: 0.198 ng/ul

RT: 25.90 min Scan# 5700

Delta R.T. 0.00 min

Lab File: BN014574.D

Acq: 12 May 2021 11:43

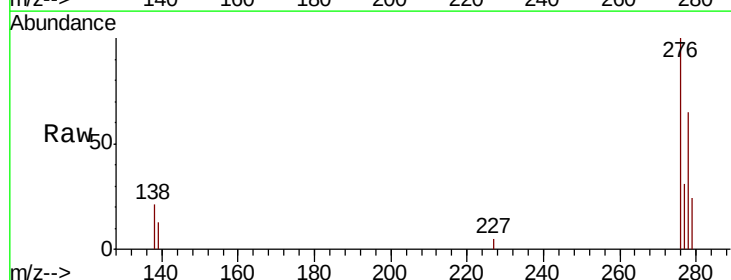
Tgt Ion:276 Resp: 2925

Ion Ratio Lower Upper

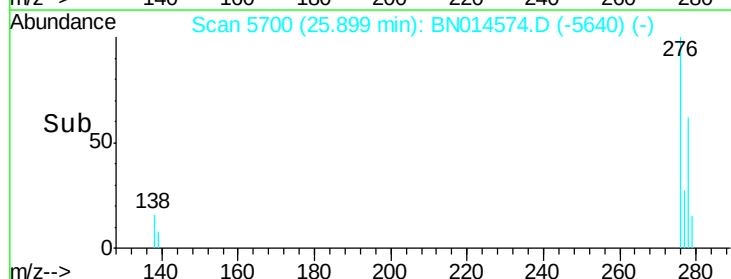
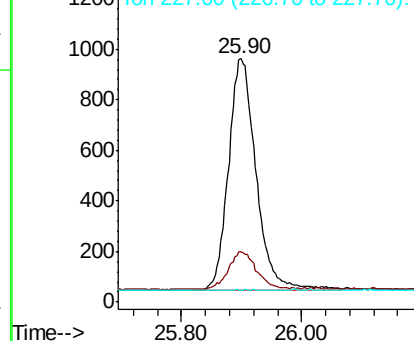
276 100

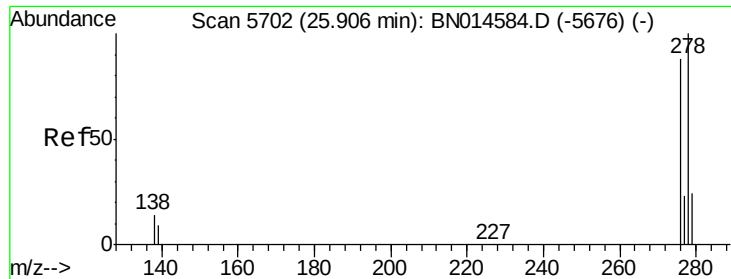
138 0.0 14.1 21.1#

227 0.1 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.205 ng/ul

RT: 25.91 min Scan# 5704

Delta R.T. 0.00 min

Lab File: BN014574.D

Acq: 12 May 2021 11:43

Instrument :

BNA_N

ClientSampleId :

SSTD0.2002

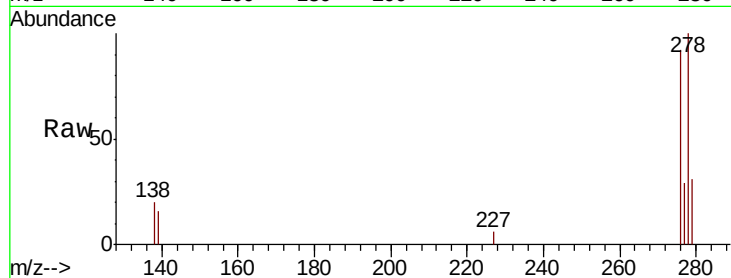
Tot Ion:278 Resp: 2421

Ion Ratio Lower Upper

278 100

139 15.8 10.4 15.6#

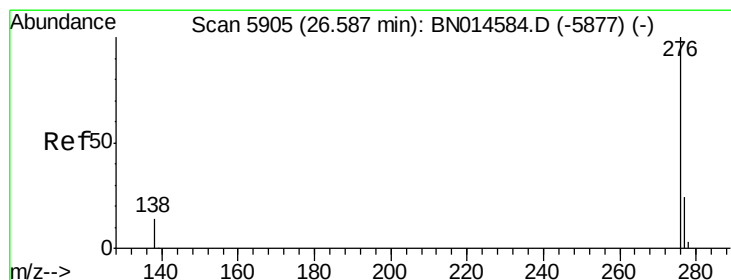
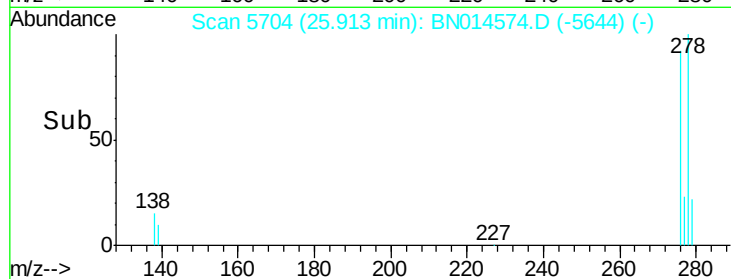
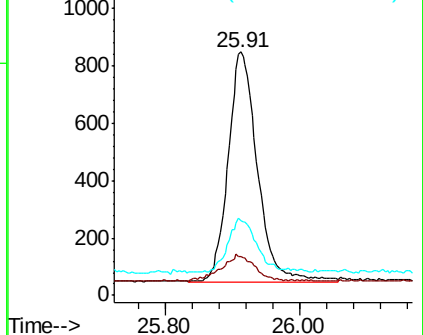
279 31.0 21.8 32.6



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: 0.202 ng/ul

RT: 26.59 min Scan# 5906

Delta R.T. -0.01 min

Lab File: BN014574.D

Acq: 12 May 2021 11:43

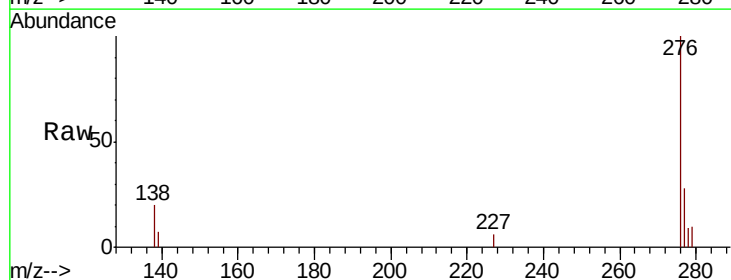
Tgt Ion:276 Resp: 2515

Ion Ratio Lower Upper

276 100

138 19.9 12.6 18.8#

277 27.5 20.9 31.3



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

