

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051221\
 Data File : BN014579.D
 Acq On : 12 May 2021 15:03
 Operator : CG/JU
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SICV007

Quant Time: May 12 15:38:34 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 14:39:16 2021
 Response via : Initial Calibration

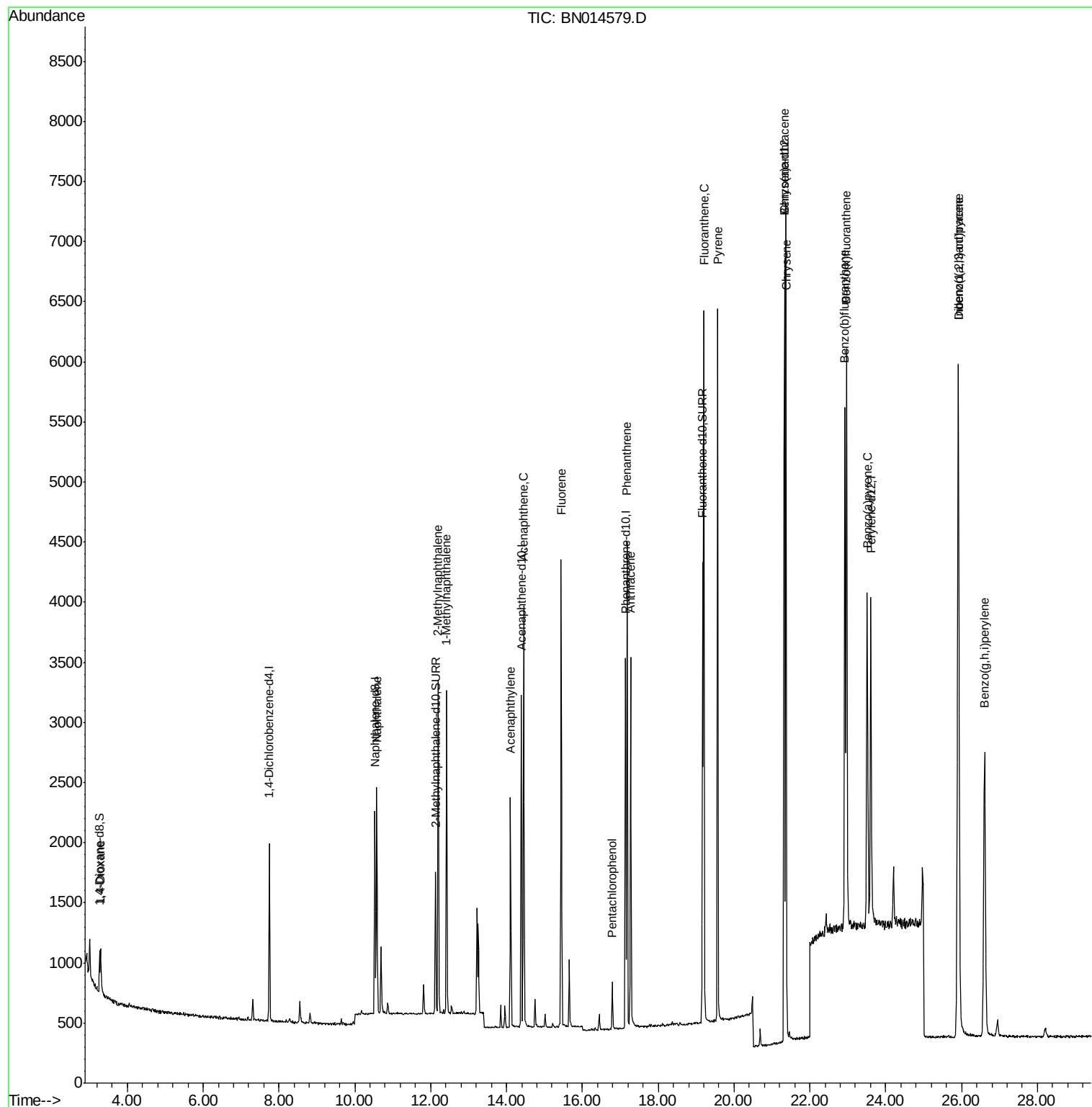
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	680	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	2244	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.39	164	1453	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.14	188	3619	0.40	ng/ul	0.00
17) Chrysene-d12	21.34	240	4090	0.40	ng/ul	0.00
23) Perylene-d12	23.61	264	3692	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.27	96	291	0.41	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.13	152	1523	0.40	ng/ul	0.00
18) Fluoranthene-d10	19.17	212	4344	0.39	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.30	88	296	0.382	ng/ul	99
5) Naphthalene	10.58	128	2631	0.407	ng/ul	98
7) 2-Methylnaphthalene	12.20	142	1811	0.391	ng/ul	97
8) 1-Methylnaphthalene	12.42	142	1785	0.401	ng/ul	96
10) Acenaphthylene	14.11	152	2215	0.400	ng/ul	99
11) Acenaphthene	14.45	153	1993	0.400	ng/ul	97
12) Fluorene	15.44	166	2402	0.399	ng/ul	98
14) Pentachlorophenol	16.79	266	263	0.371	ng/ul	99
15) Phenanthrene	17.18	178	4292	0.393	ng/ul	98
16) Anthracene	17.27	178	3472	0.384	ng/ul	97
19) Fluoranthene	19.20	202	5297	0.396	ng/ul	99
20) Pyrene	19.57	202	5233	0.395	ng/ul	99
21) Benzo(a)anthracene	21.32	228	4817	0.389	ng/ul	99
22) Chrysene	21.37	228	5801	0.394	ng/ul	99
24) Benzo(b)fluoranthene	22.92	252	5756	0.372	ng/ul	100
25) Benzo(k)fluoranthene	22.97	252	6466	0.401	ng/ul	99
26) Benzo(a)pyrene	23.51	252	4624	0.379	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	25.91	276	7257	0.407	ng/ul#	98
28) Dibenzo(a,h)anthracene	25.92	278	5908	0.403	ng/ul	99
29) Benzo(a,h,i)perylene	26.60	276	5688	0.384	ng/ul	98

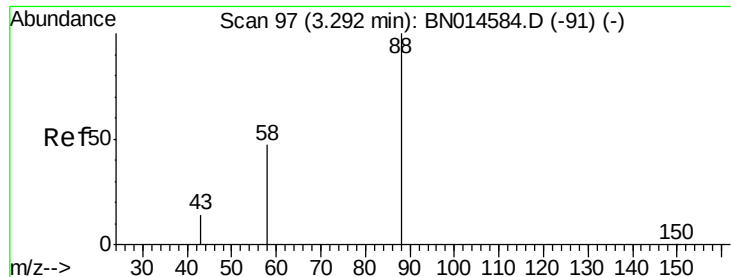
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.382 ng/ul

RT: 3.30 min Scan# 98

Delta R.T. -0.00 min

Lab File: BN014579.D

Acq: 12 May 2021 15:03

Instrument :

BNA_N

ClientSampleId :

SICV007

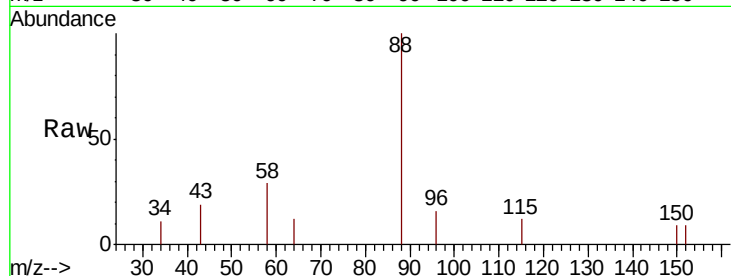
Tot Ion: 88 Resp: 296

Ion Ratio Lower Upper

88 100

43 19.1 15.7 23.5

58 29.4 23.8 35.6

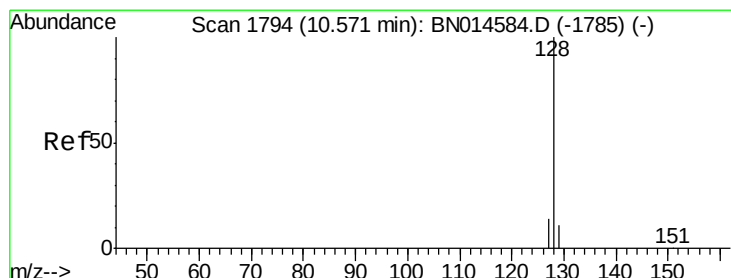
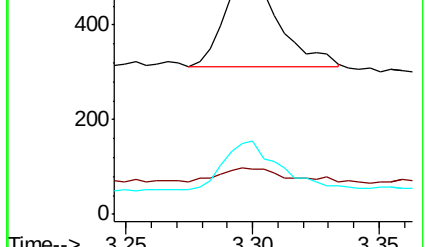
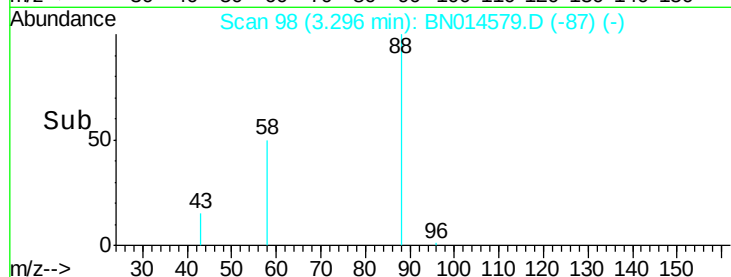


Abundance Ion 88.00 (87.70 to 88.70): BN014584.D (-91) (-)

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: 0.407 ng/ul

RT: 10.58 min Scan# 1796

Delta R.T. 0.01 min

Lab File: BN014579.D

Acq: 12 May 2021 15:03

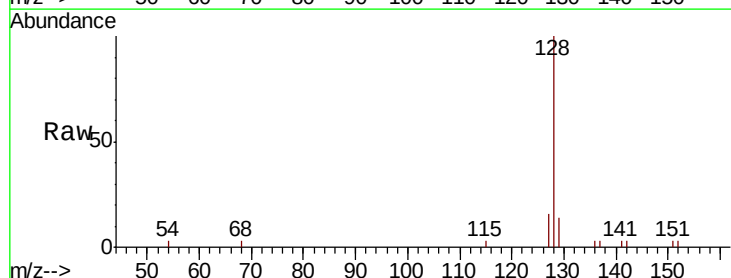
Tgt Ion: 128 Resp: 2631

Ion Ratio Lower Upper

128 100

129 13.6 11.6 17.4

127 15.8 13.3 19.9

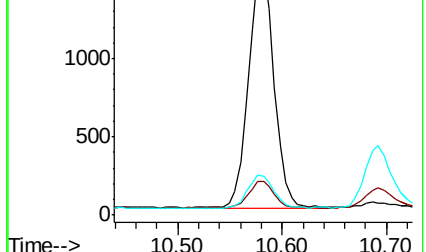
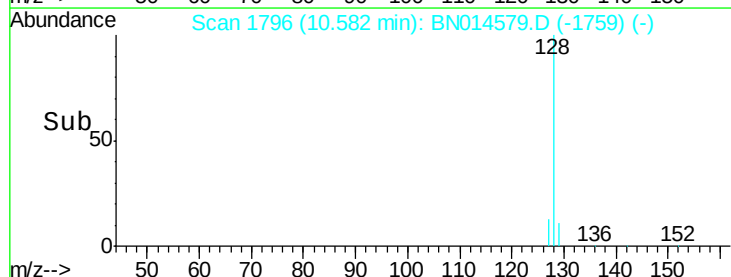


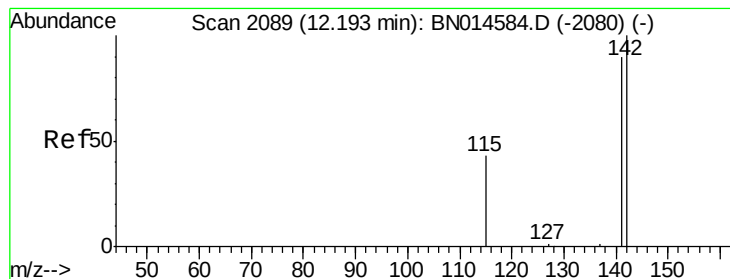
Abundance Ion 128.00 (127.70 to 128.70): BN014584.D (-1785) (-)

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: 0.391 ng/ul

RT: 12.20 min Scan# 2090

Delta R.T. 0.00 min

Lab File: BN014579.D

Acq: 12 May 2021 15:03

Instrument :

BNA_N

ClientSampleId :

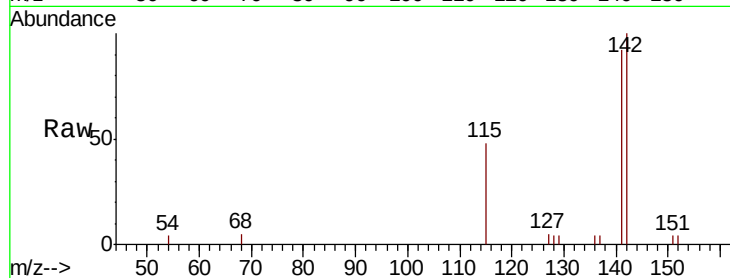
SICV007

Tot Ion:142 Resp: 1811

Ion Ratio Lower Upper

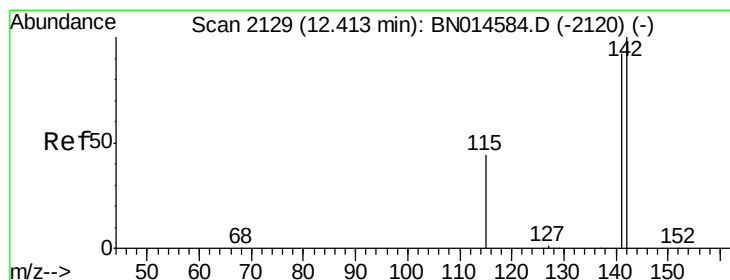
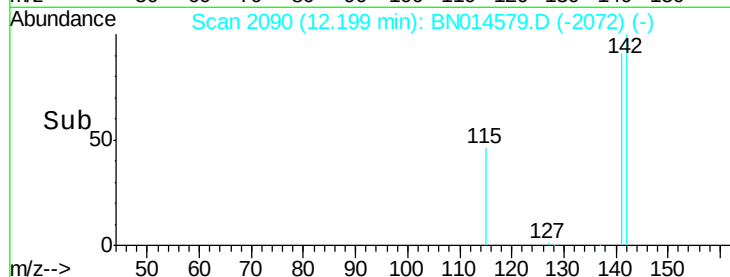
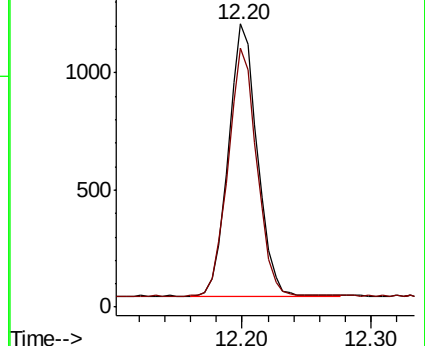
142 100

141 91.1 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: 0.401 ng/ul

RT: 12.42 min Scan# 2131

Delta R.T. 0.01 min

Lab File: BN014579.D

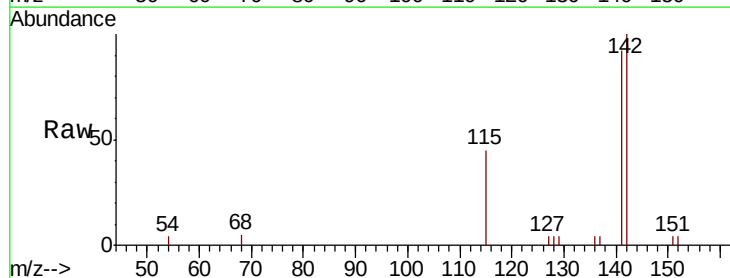
Acq: 12 May 2021 15:03

Tgt Ion:142 Resp: 1785

Ion Ratio Lower Upper

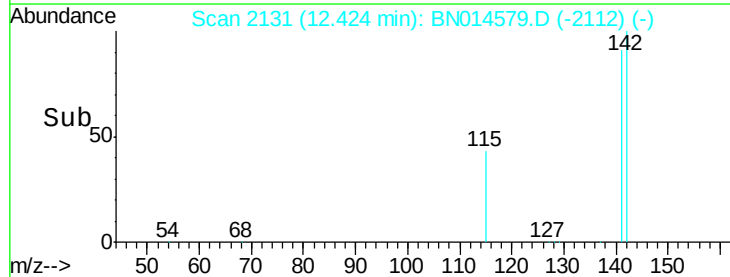
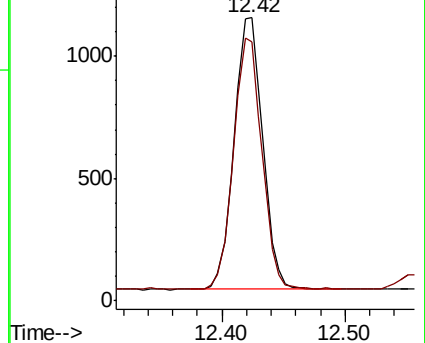
142 100

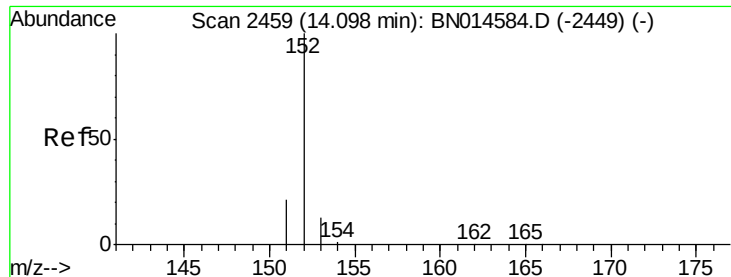
141 91.3 75.9 113.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.400 ng/ul

RT: 14.11 min Scan# 2461

Delta R.T. 0.00 min

Lab File: BN014579.D

Acq: 12 May 2021 15:03

Instrument :

BNA_N

ClientSampleId :

SICV007

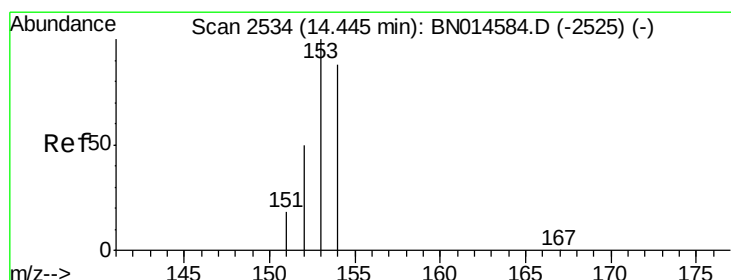
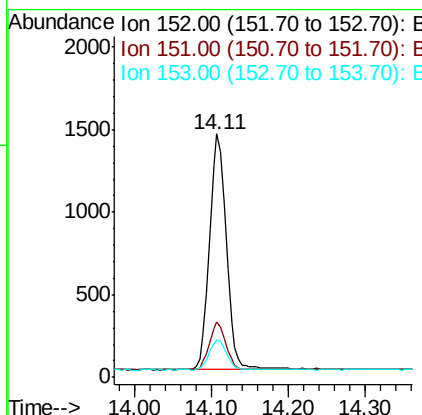
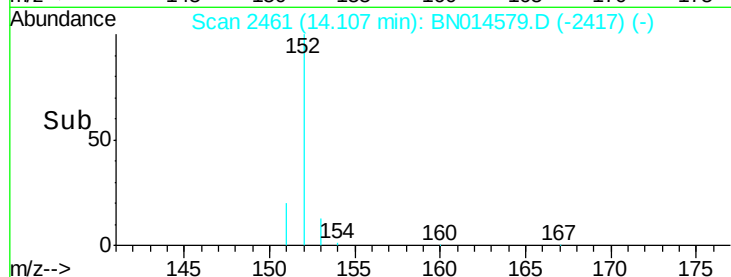
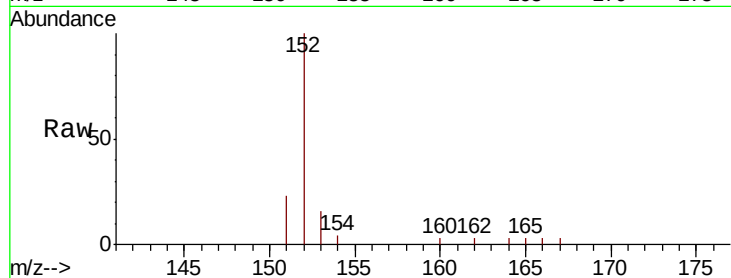
Tot Ion:152 Resp: 2215

Ion Ratio Lower Upper

152 100

151 22.9 18.2 27.2

153 15.6 12.8 19.2



#11

Acenaphthene

Concen: 0.400 ng/ul

RT: 14.45 min Scan# 2536

Delta R.T. 0.00 min

Lab File: BN014579.D

Acq: 12 May 2021 15:03

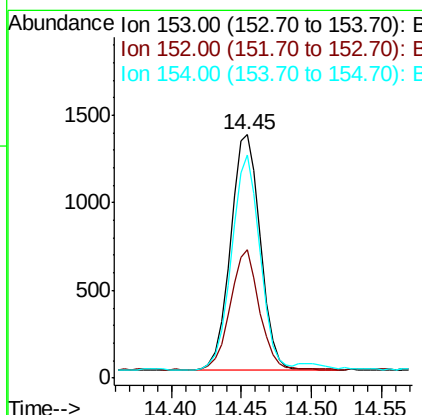
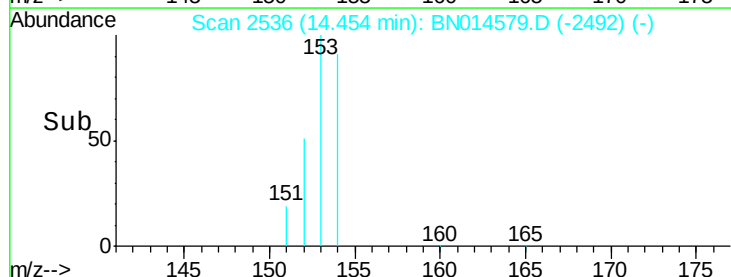
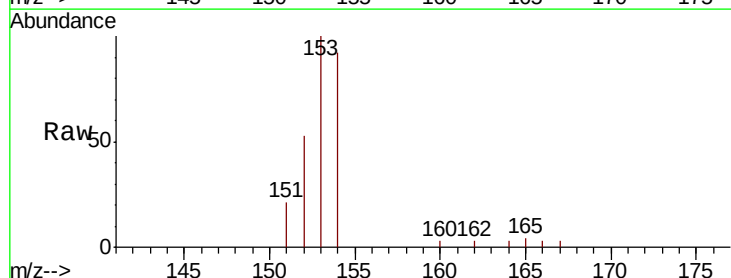
Tgt Ion:153 Resp: 1993

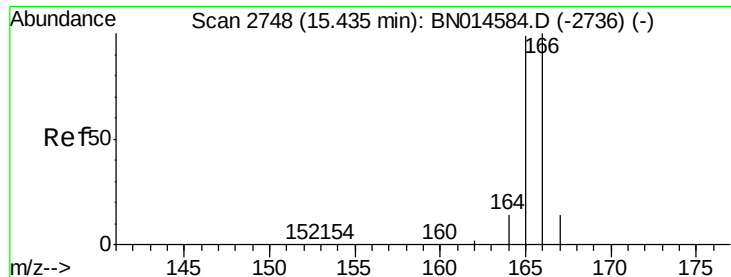
Ion Ratio Lower Upper

153 100

152 52.7 40.9 61.3

154 91.6 70.7 106.1





#12

Fluorene

Concen: 0.399 ng/ul

RT: 15.44 min Scan# 2750

Delta R.T. 0.00 min

Lab File: BN014579.D

Acq: 12 May 2021 15:03

Instrument :

BNA_N

ClientSampleId :

SICV007

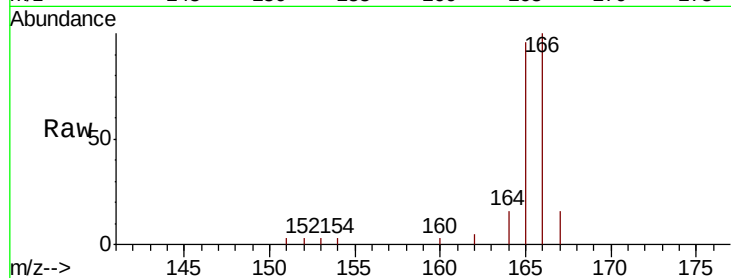
Tot Ion:166 Resp: 2402

Ion Ratio Lower Upper

166 100

165 96.1 78.6 118.0

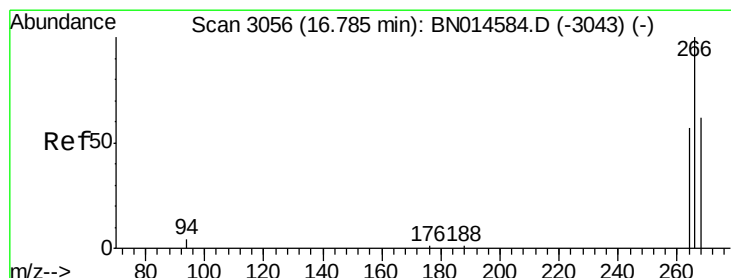
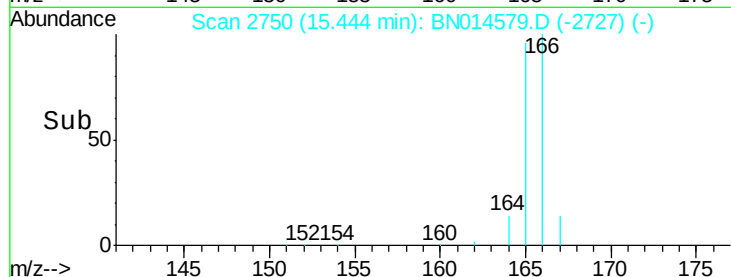
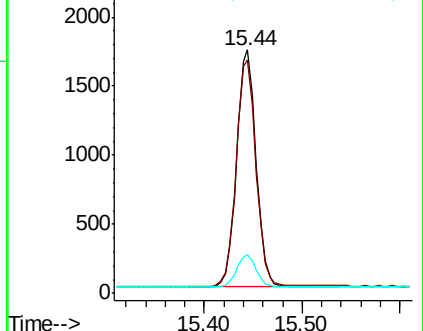
167 15.9 13.2 19.8



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: 0.371 ng/ul

RT: 16.79 min Scan# 3057

Delta R.T. 0.00 min

Lab File: BN014579.D

Acq: 12 May 2021 15:03

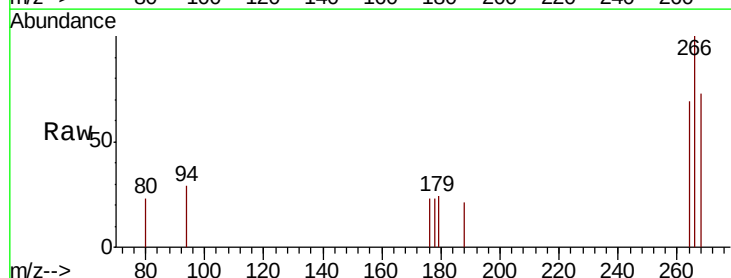
Tgt Ion:266 Resp: 263

Ion Ratio Lower Upper

266 100

264 62.0 49.4 74.2

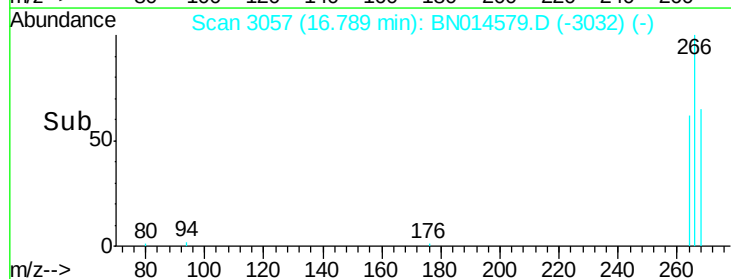
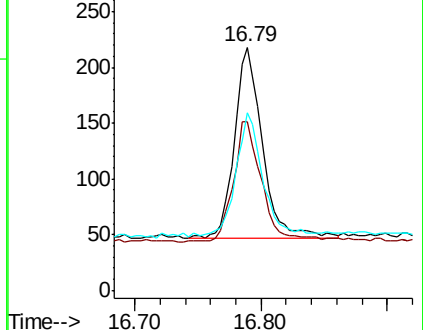
268 63.1 49.1 73.7

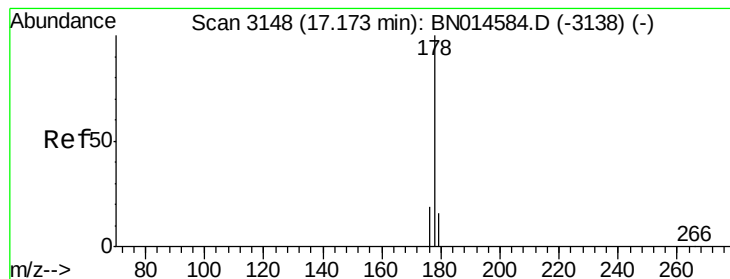


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.393 ng/ul

RT: 17.18 min Scan# 3150

Delta R.T. 0.00 min

Lab File: BN014579.D

Acq: 12 May 2021 15:03

Instrument :

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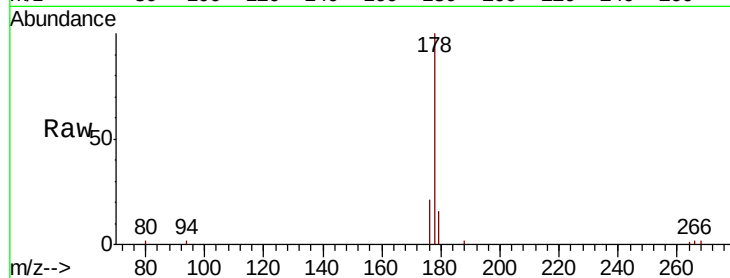
Tot Ion:178 Resp: 4292

Ion Ratio Lower Upper

178 100

179 16.4 14.1 21.1

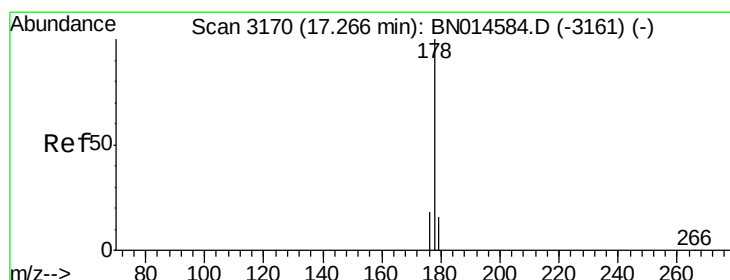
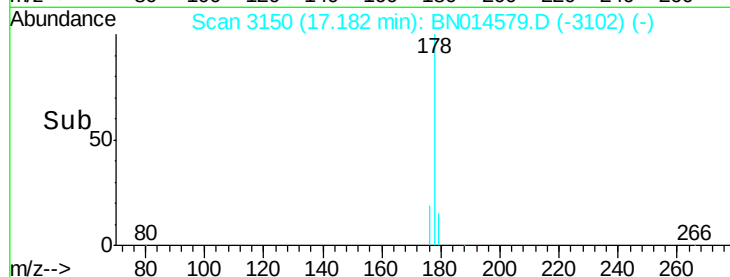
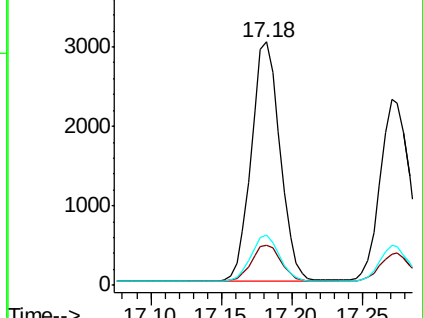
176 20.7 16.9 25.3



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: 0.384 ng/ul

RT: 17.27 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BN014579.D

Acq: 12 May 2021 15:03

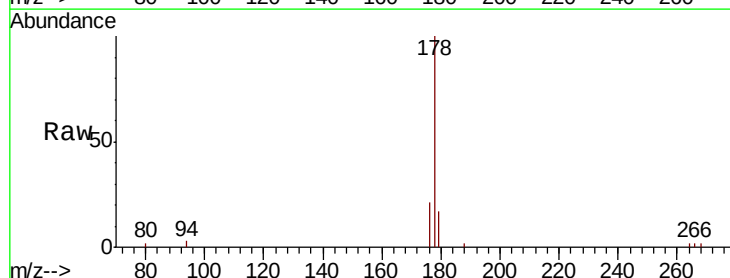
Tgt Ion:178 Resp: 3472

Ion Ratio Lower Upper

178 100

179 16.8 14.1 21.1

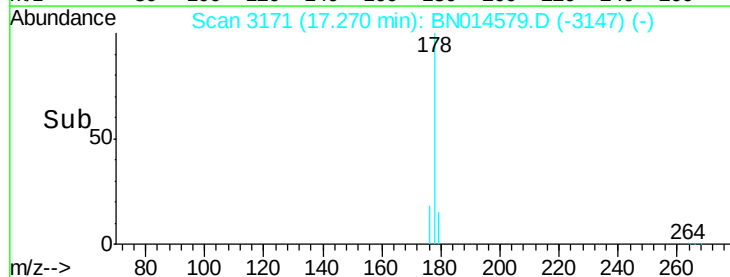
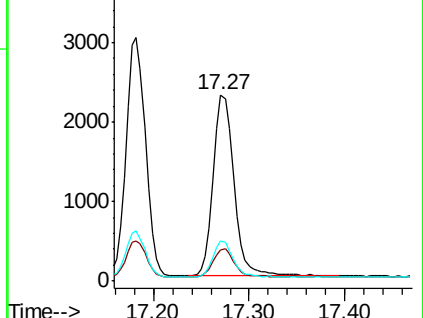
176 21.2 15.8 23.6

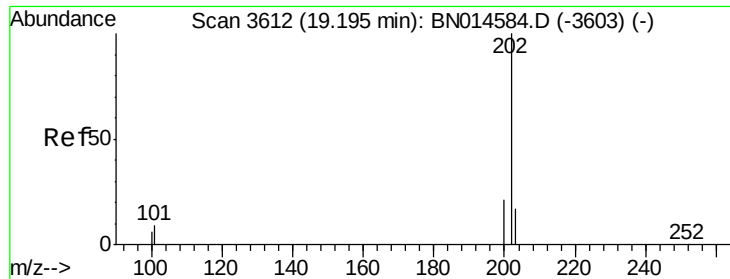


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 0.396 ng/ul

RT: 19.20 min Scan# 3614

Delta R.T. 0.00 min

Lab File: BN014579.D

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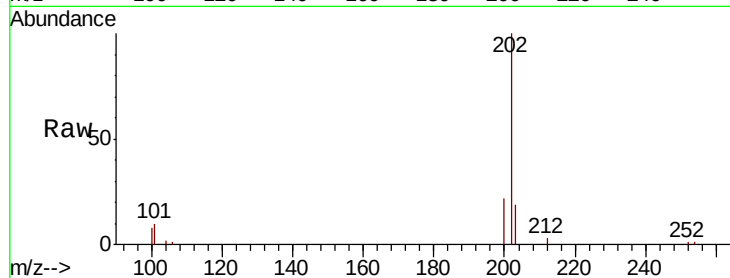
Tot Ion:202 Resp: 5297

Ion Ratio Lower Upper

202 100

101 10.0 8.3 12.5

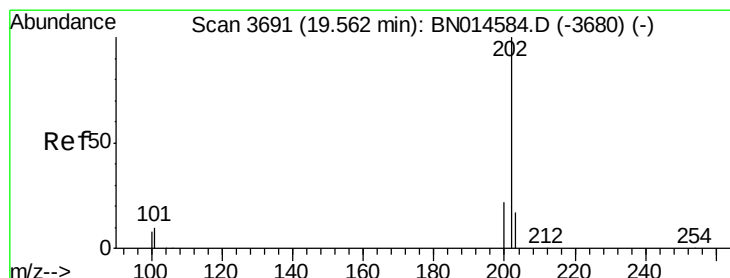
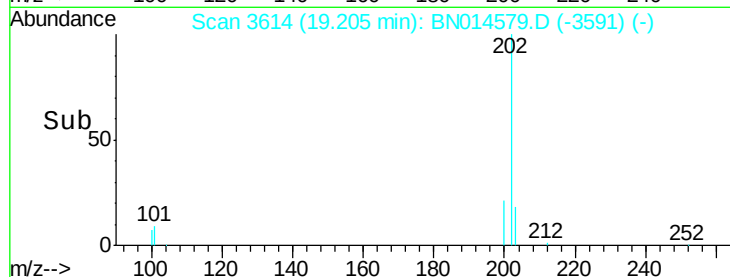
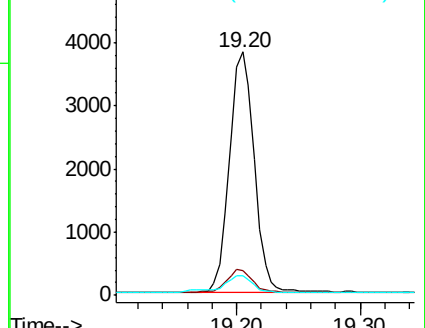
100 8.1 6.7 10.1



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: 0.395 ng/ul

RT: 19.57 min Scan# 3692

Delta R.T. 0.00 min

Lab File: BN014579.D

Acq: 12 May 2021 15:03

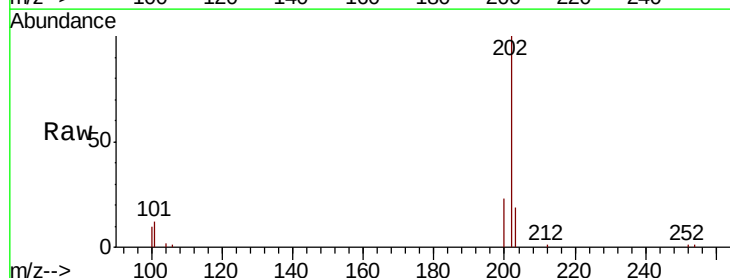
Tgt Ion:202 Resp: 5233

Ion Ratio Lower Upper

202 100

101 12.1 9.4 14.0

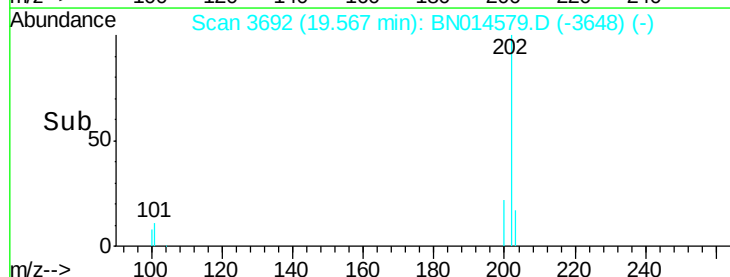
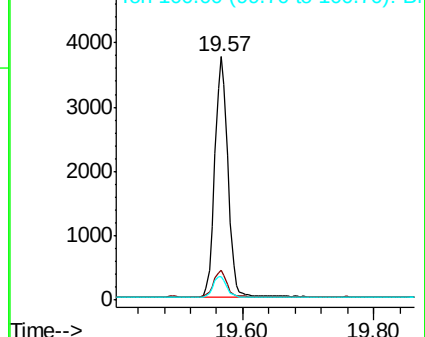
100 9.6 8.2 12.4

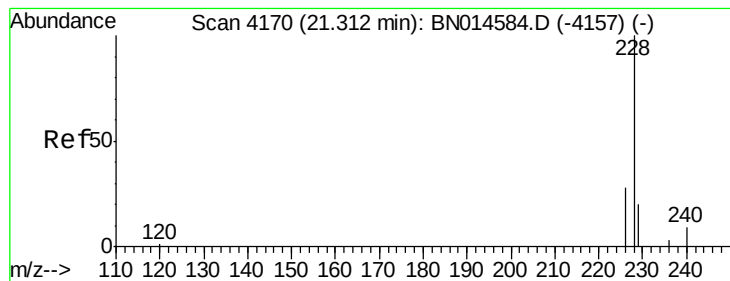


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.389 ng/ul

RT: 21.32 min Scan# 4172

Delta R.T. 0.00 min

Lab File: BN014579.D

Acq: 12 May 2021 15:03

Instrument :

BNA_N

ClientSampleId :

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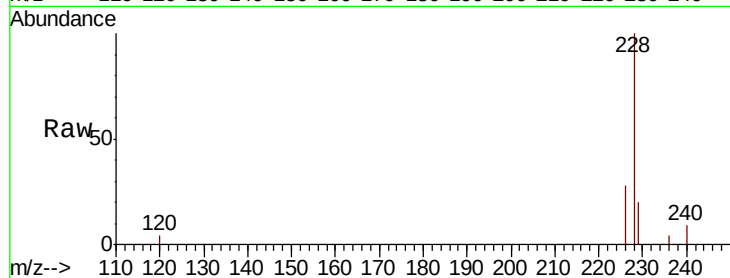
Tot Ion:228 Resp: 4817

Ion Ratio Lower Upper

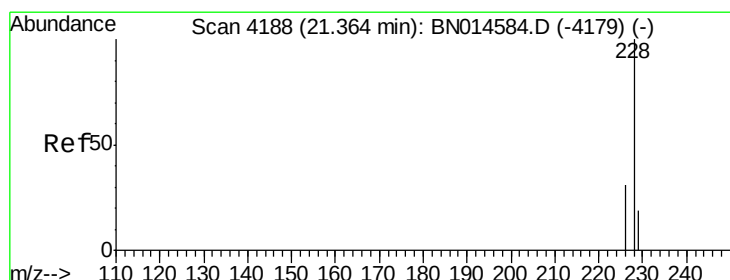
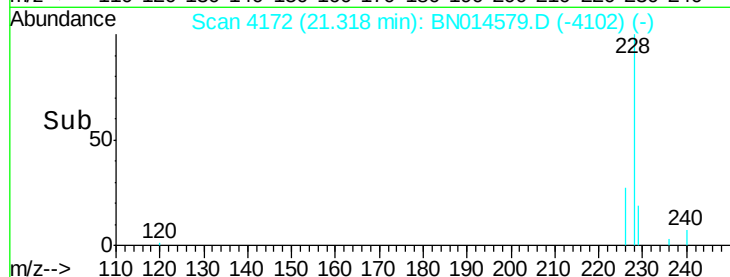
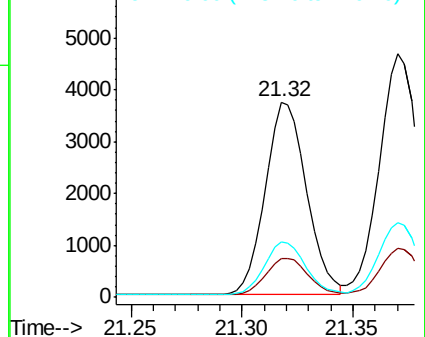
228 100

229 19.9 16.0 24.0

226 28.4 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: 0.394 ng/ul

RT: 21.37 min Scan# 4190

Delta R.T. 0.00 min

Lab File: BN014579.D

Acq: 12 May 2021 15:03

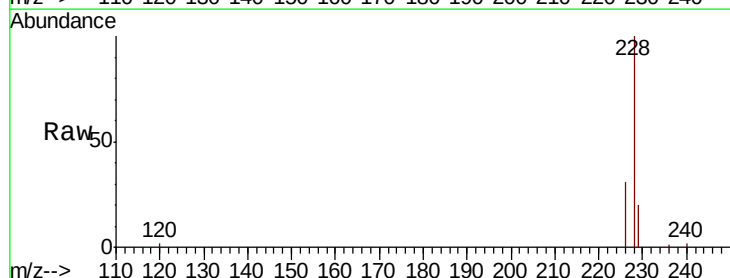
Tgt Ion:228 Resp: 5801

Ion Ratio Lower Upper

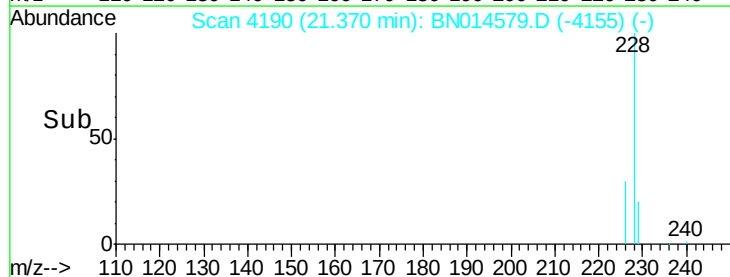
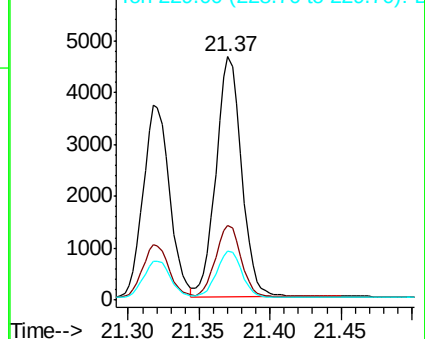
228 100

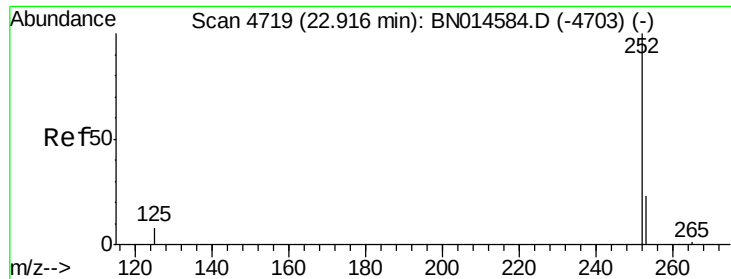
226 30.5 24.9 37.3

229 20.4 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: 0.372 ng/ul

RT: 22.92 min Scan# 4721

Delta R.T. 0.01 min

Lab File: BN014579.D

Acq: 12 May 2021 15:03

Instrument :

BNA_N

ClientSampleId :

SICV007

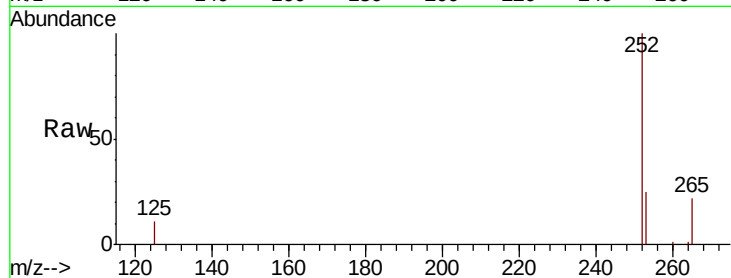
Tot Ion:252 Resp: 5756

Ion Ratio Lower Upper

252 100

253 25.5 0.0 51.0

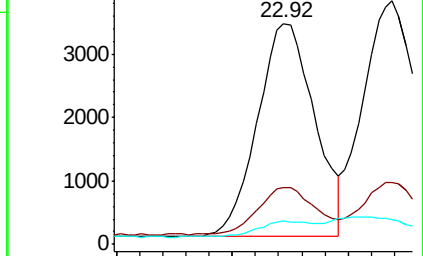
125 10.6 0.0 20.2



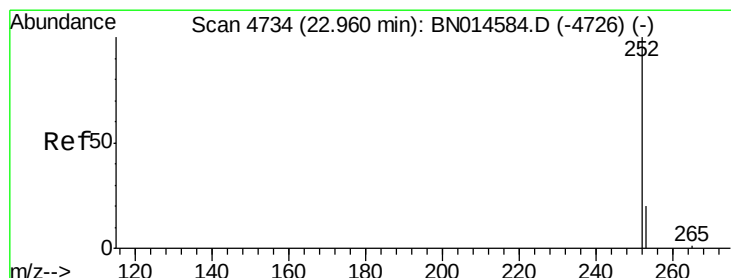
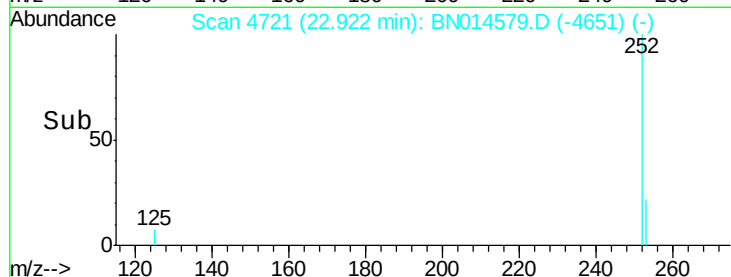
Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.401 ng/ul

RT: 22.97 min Scan# 4737

Delta R.T. 0.01 min

Lab File: BN014579.D

Acq: 12 May 2021 15:03

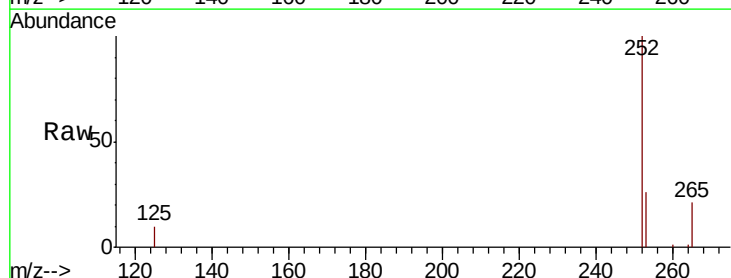
Tgt Ion:252 Resp: 6466

Ion Ratio Lower Upper

252 100

253 25.5 20.2 30.2

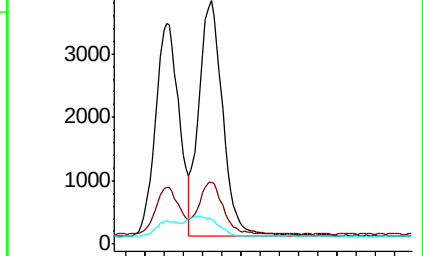
125 10.1 8.4 12.6



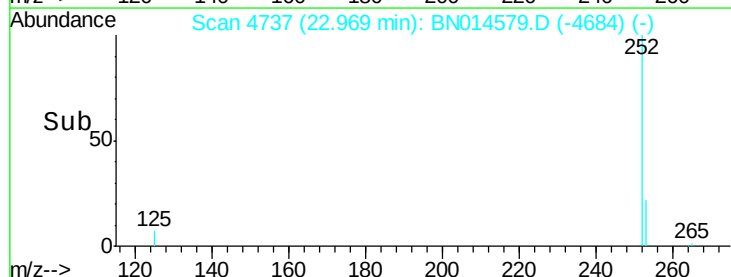
Abundance Ion 252.00 (251.70 to 252.70): E

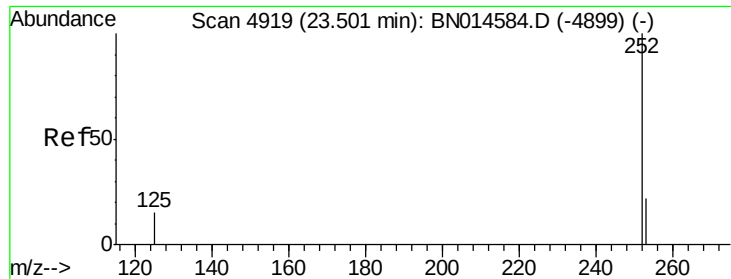
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.90 23.00 23.10





#26

Benzo(a)pyrene

Concen: 0.379 ng/ul

RT: 23.51 min Scan# 4922

Delta R.T. 0.01 min

Lab File: BN014579.D

Acq: 12 May 2021 15:03

Instrument :

BNA_N

ClientSampleId :

SICV007

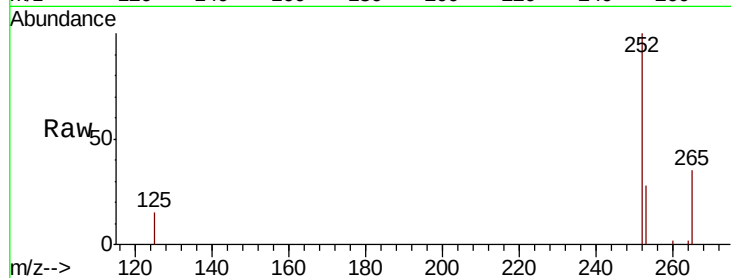
Tot Ion:252 Resp: 4624

Ion Ratio Lower Upper

252 100

253 27.7 23.0 34.4

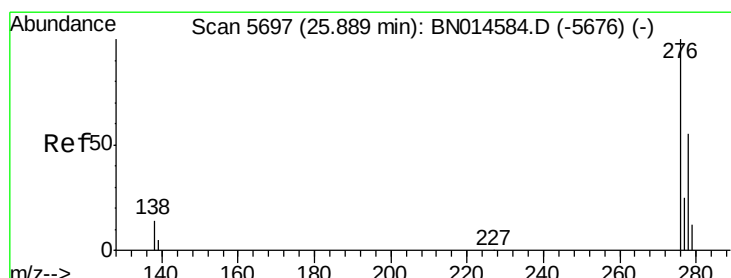
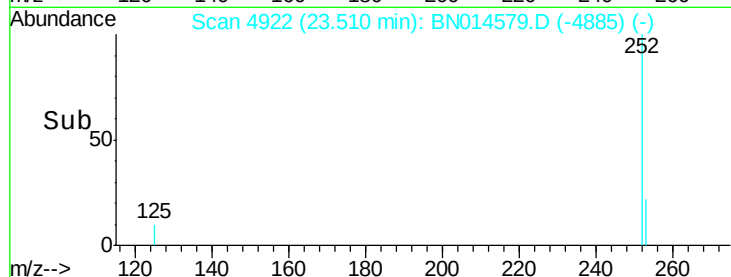
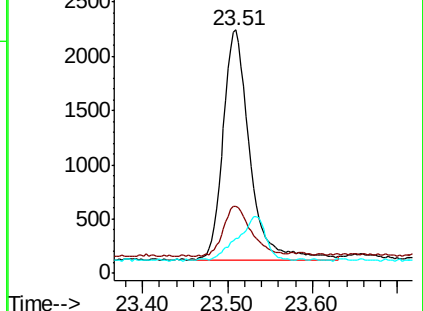
125 14.6 11.4 17.2



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: 0.407 ng/ul

RT: 25.91 min Scan# 5703

Delta R.T. 0.01 min

Lab File: BN014579.D

Acq: 12 May 2021 15:03

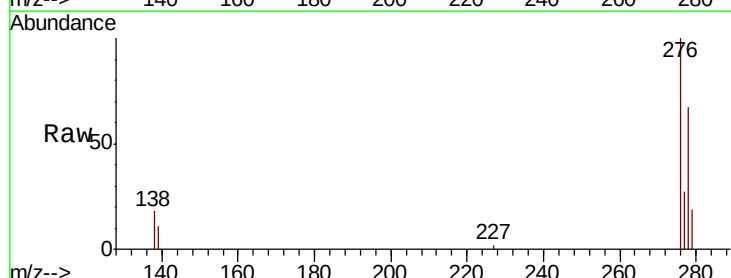
Tgt Ion:276 Resp: 7257

Ion Ratio Lower Upper

276 100

138 16.9 14.1 21.1

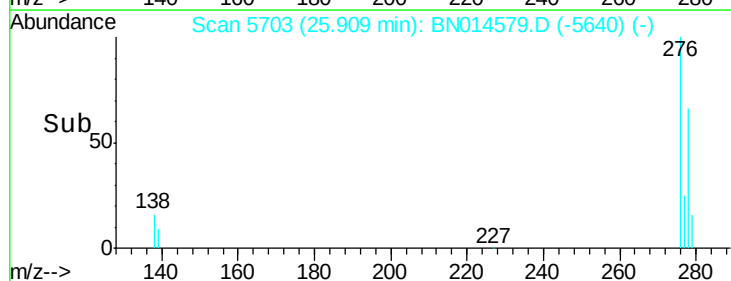
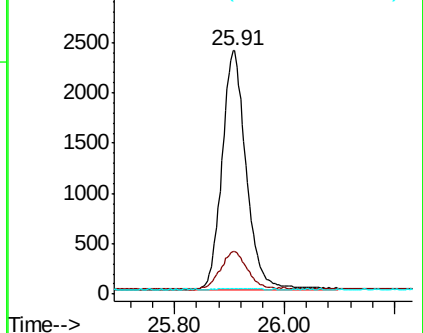
227 0.1 0.0 0.0#

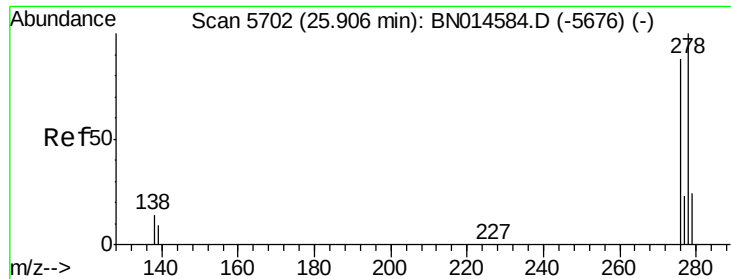


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.403 ng/ul

RT: 25.92 min Scan# 5706

Delta R.T. 0.01 min

Lab File: BN014579.D

Acq: 12 May 2021 15:03

Instrument :

BNA_N

ClientSampleId :

SICV007

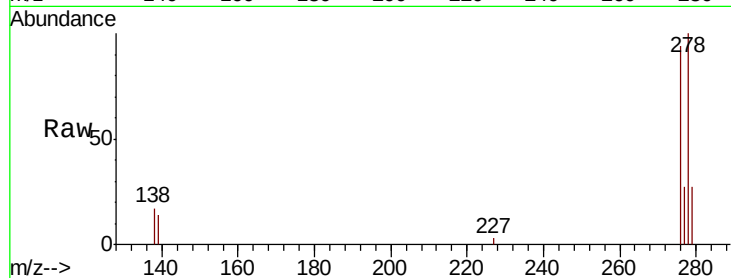
Tot Ion:278 Resp: 5908

Ion Ratio Lower Upper

278 100

139 13.6 10.4 15.6

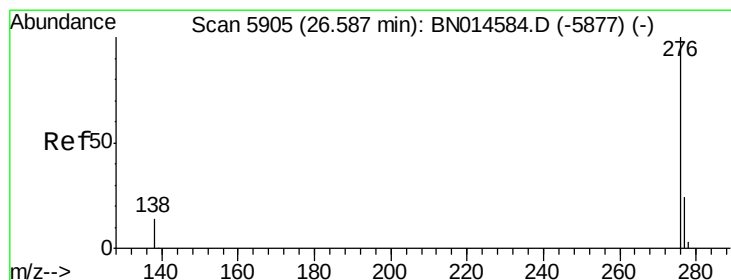
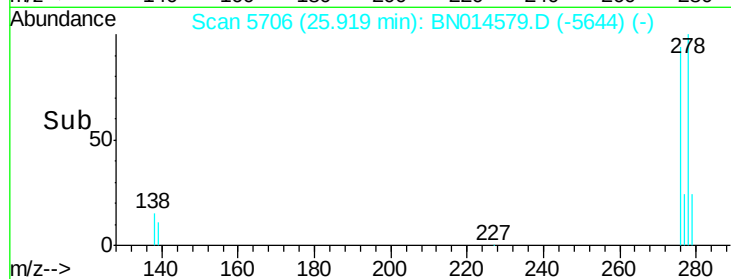
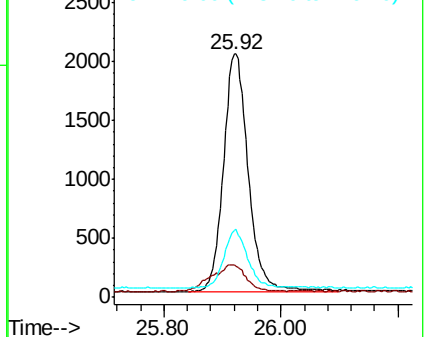
279 27.3 21.8 32.6



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: 0.384 ng/ul

RT: 26.60 min Scan# 5910

Delta R.T. 0.01 min

Lab File: BN014579.D

Acq: 12 May 2021 15:03

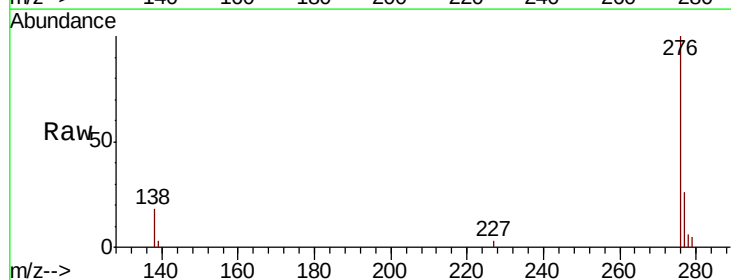
Tgt Ion:276 Resp: 5688

Ion Ratio Lower Upper

276 100

138 17.5 12.6 18.8

277 25.7 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

