

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051221\
 Data File : BN014581.D
 Acq On : 12 May 2021 17:50
 Operator : CG/JU
 Sample : PB136056BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS056

Quant Time: May 12 18:19:25 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

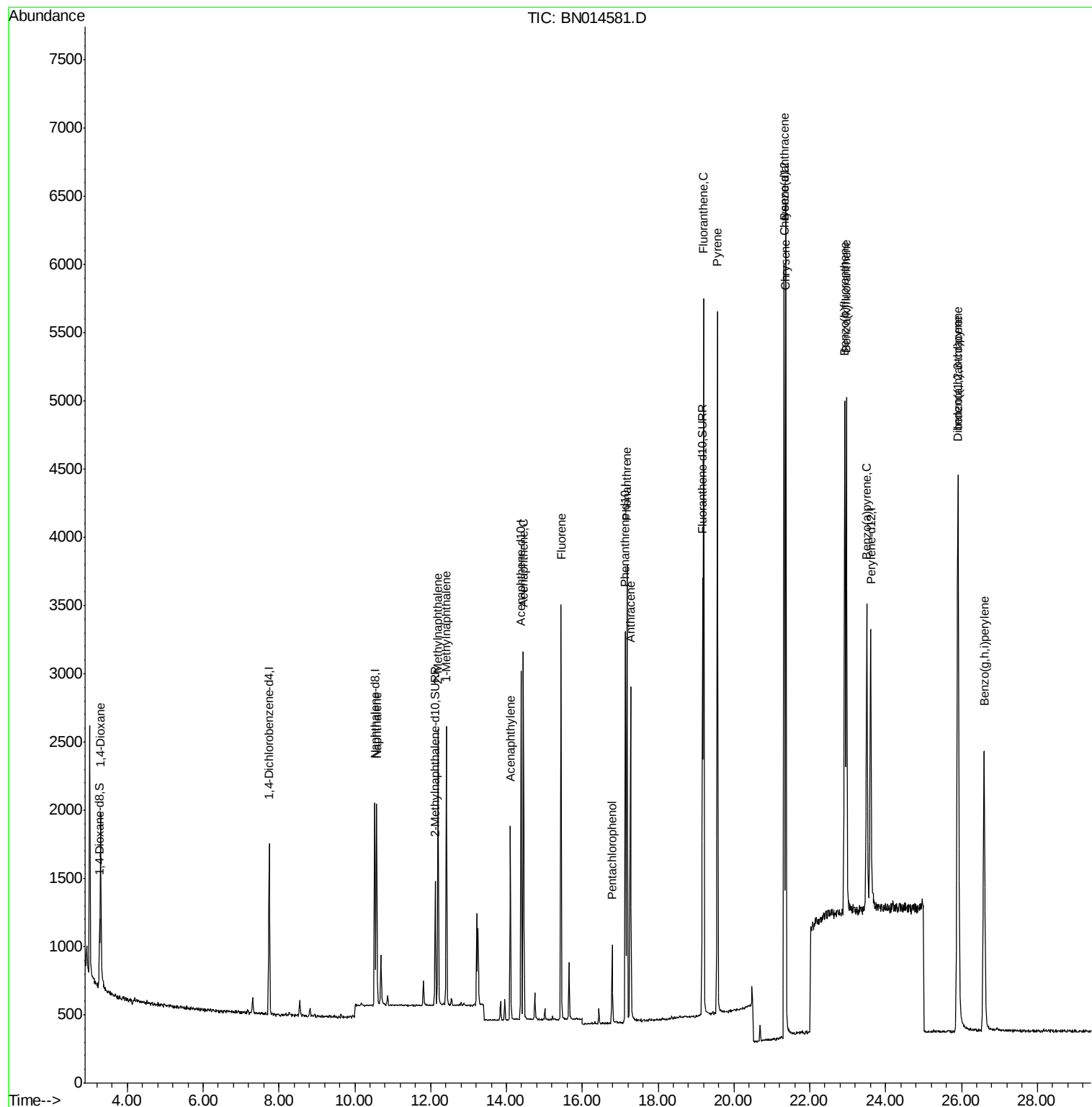
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	625	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	2036	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.38	164	1378	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.13	188	3349	0.40	ng/ul	0.00
17) Chrysene-d12	21.33	240	3613	0.40	ng/ul	0.00
23) Perylene-d12	23.60	264	2922	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.27	96	415	0.64	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.12	152	1164	0.33	ng/ul	0.00
18) Fluoranthene-d10	19.17	212	3678	0.38	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	3.30	88	1120	1.571	ng/ul#	83
5) Naphthalene	10.58	128	2009	0.343	ng/ul	98
7) 2-Methylnaphthalene	12.19	142	1385	0.330	ng/ul	100
8) 1-Methylnaphthalene	12.42	142	1353	0.335	ng/ul	97
10) Acenaphthylene	14.10	152	1613	0.307	ng/ul	98
11) Acenaphthene	14.44	153	1535	0.325	ng/ul	97
12) Fluorene	15.44	166	1906	0.334	ng/ul	99
14) Pentachlorophenol	16.78	266	387	0.589	ng/ul	99
15) Phenanthrene	17.18	178	3507	0.347	ng/ul	99
16) Anthracene	17.27	178	2808	0.335	ng/ul	99
19) Fluoranthene	19.20	202	4475	0.379	ng/ul	99
20) Pyrene	19.56	202	4471	0.382	ng/ul	99
21) Benzo(a)anthracene	21.31	228	4117	0.376	ng/ul	98
22) Chrysene	21.37	228	5126	0.394	ng/ul	100
24) Benzo(b)fluoranthene	22.92	252	5052	0.413	ng/ul	99
25) Benzo(k)fluoranthene	22.96	252	5122	0.401	ng/ul	99
26) Benzo(a)pyrene	23.50	252	3809	0.395	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	25.90	276	5418	0.384	ng/ul#	97
28) Dibenzo(a,h)anthracene	25.92	278	4493	0.387	ng/ul	99
29) Benzo(g,h,i)perylene	26.60	276	4775	0.407	ng/ul	98

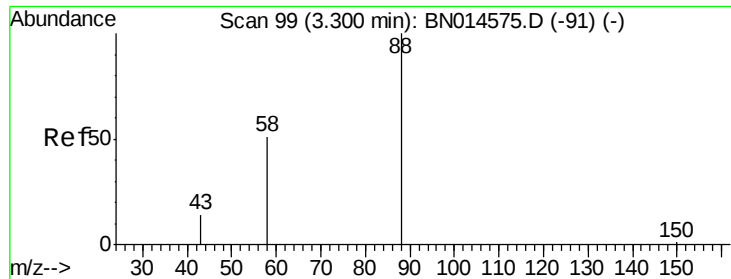
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.571 ng/ul

RT: 3.30 min Scan# 98

Delta R.T. -0.00 min

Lab File: BN014581.D

Acq: 12 May 2021 17:50

Instrument :

BNA_N

ClientSampleId :

SLCS056

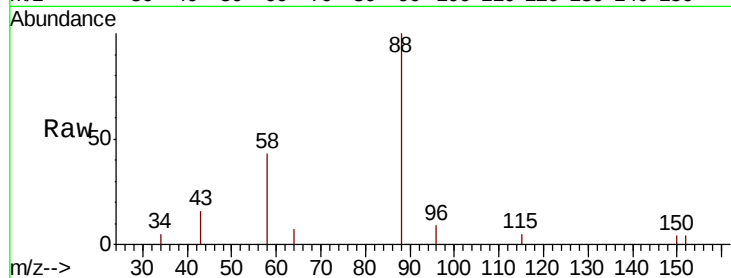
Tot Ion: 88 Resp: 1120

Ion Ratio Lower Upper

88 100

43 16.5 15.7 23.5

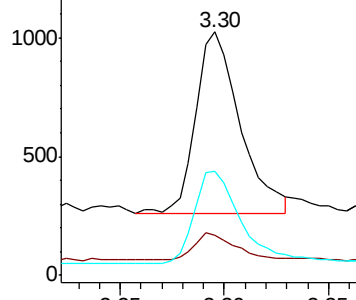
58 42.8 23.8 35.6#



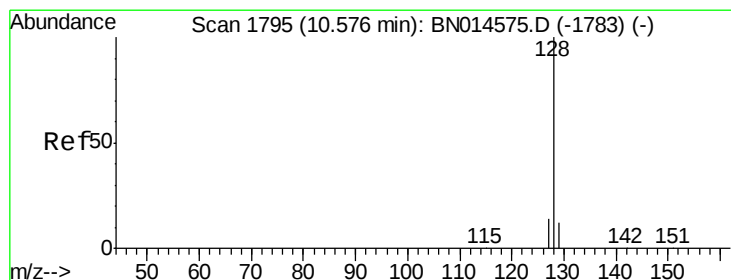
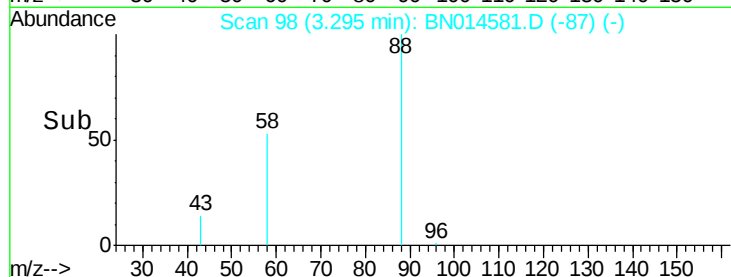
Abundance Ion 88.00 (87.70 to 88.70): BN014575.D (-91) (-)

Ion 43.00 (42.70 to 43.70): BN014575.D (-91) (-)

Ion 58.00 (57.70 to 58.70): BN014575.D (-91) (-)



Time-->



#5

Naphthalene

Concen: 0.343 ng/ul

RT: 10.58 min Scan# 1795

Delta R.T. -0.00 min

Lab File: BN014581.D

Acq: 12 May 2021 17:50

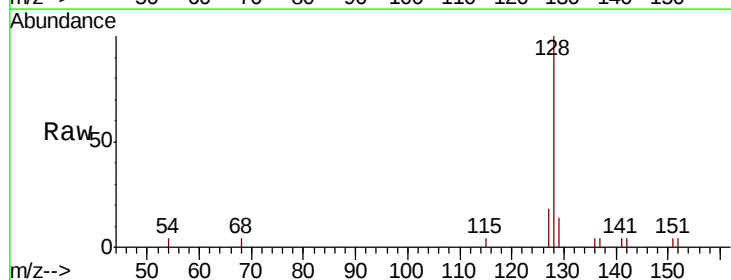
Tgt Ion: 128 Resp: 2009

Ion Ratio Lower Upper

128 100

129 13.9 11.6 17.4

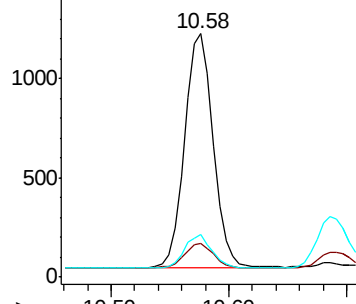
127 17.6 13.3 19.9



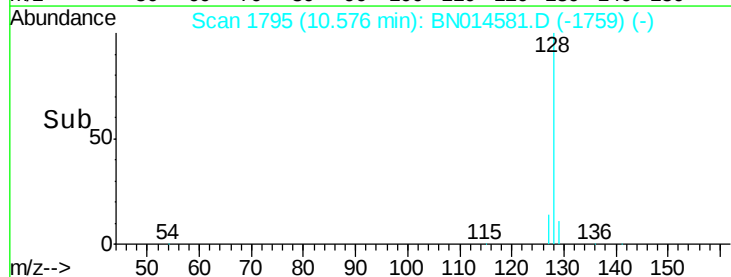
Abundance Ion 128.00 (127.70 to 128.70): BN014575.D (-1783) (-)

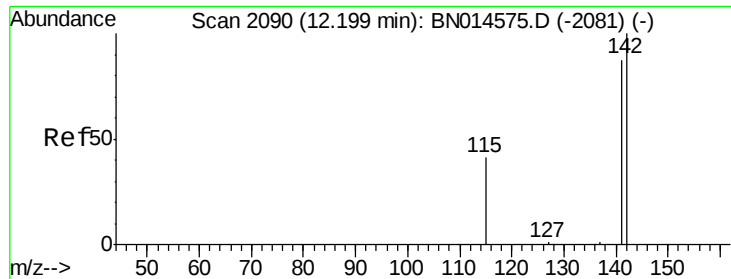
Ion 129.00 (128.70 to 129.70): BN014575.D (-1783) (-)

Ion 127.00 (126.70 to 127.70): BN014575.D (-1783) (-)



Time-->





#7

2-Methylnaphthalene

Concen: 0.330 ng/ul

RT: 12.19 min Scan# 2089

Delta R.T. -0.01 min

Lab File: BN014581.D

Acq: 12 May 2021 17:50

Instrument :

BNA_N

ClientSampleId :

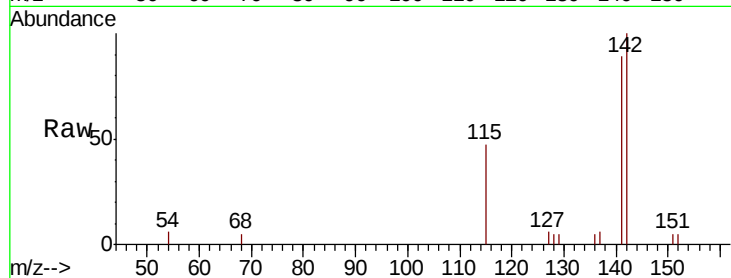
SLCS056

Tot Ion:142 Resp: 1385

Ion Ratio Lower Upper

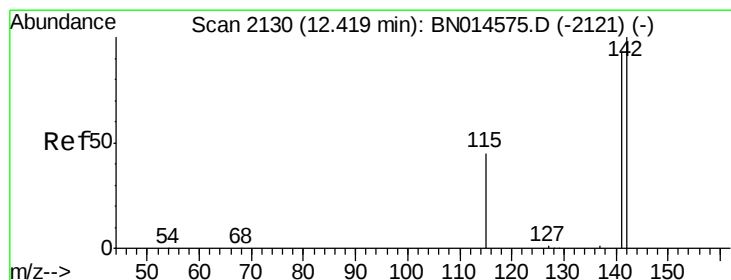
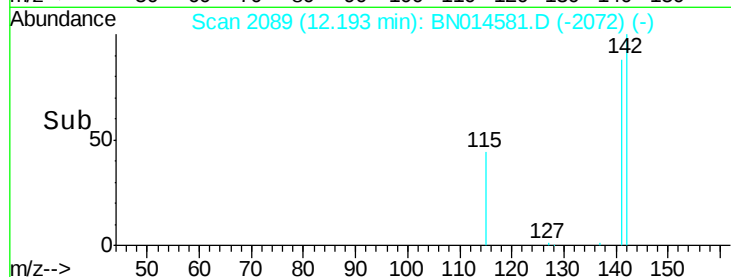
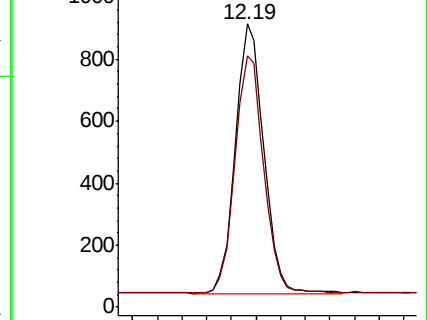
142 100

141 89.0 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: 0.335 ng/ul

RT: 12.42 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BN014581.D

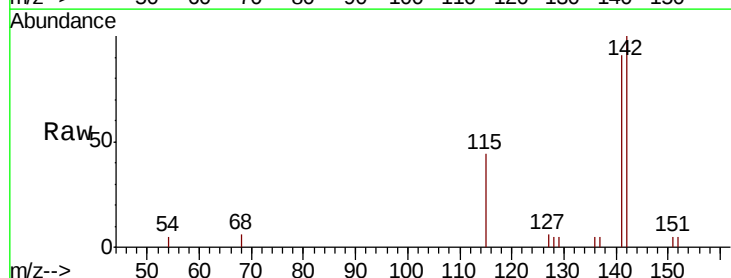
Acq: 12 May 2021 17:50

Tgt Ion:142 Resp: 1353

Ion Ratio Lower Upper

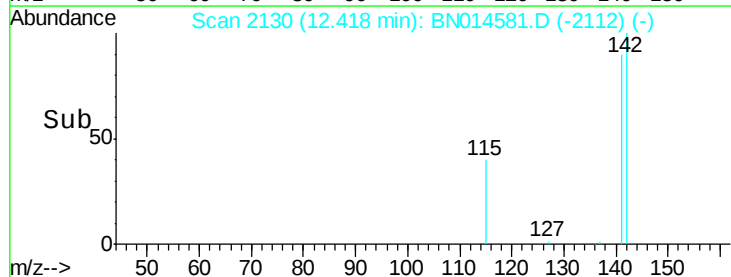
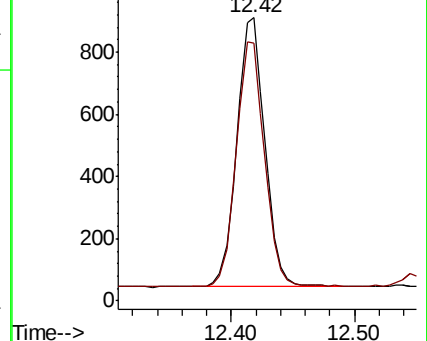
142 100

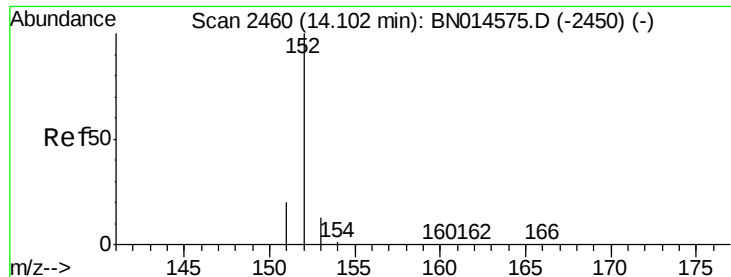
141 92.3 75.9 113.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.307 ng/ul

RT: 14.10 min Scan# 2460

Delta R.T. -0.00 min

Lab File: BN014581.D

Acq: 12 May 2021 17:50

Instrument :

BNA_N

ClientSampleId :

SLCS056

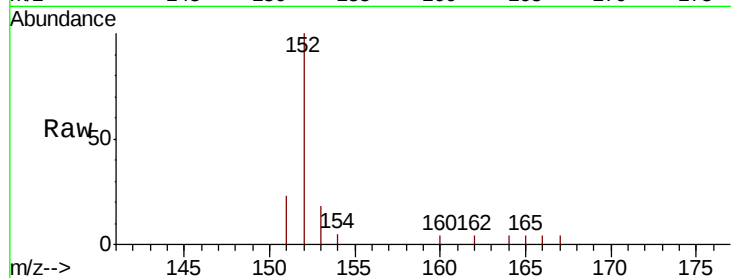
Tot Ion:152 Resp: 1613

Ion Ratio Lower Upper

152 100

151 23.2 18.2 27.2

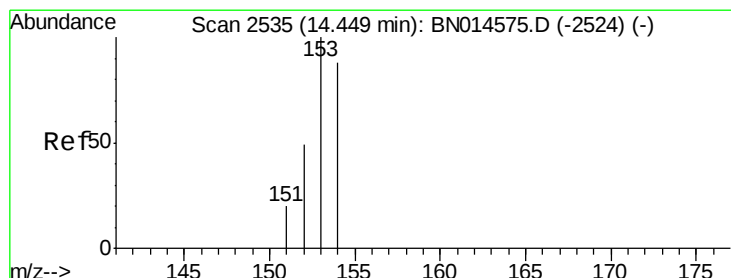
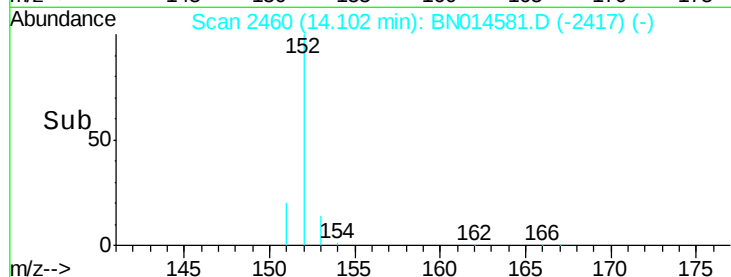
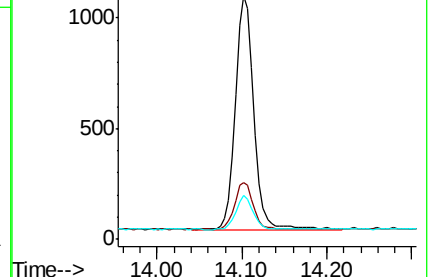
153 17.9 12.8 19.2



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: 0.325 ng/ul

RT: 14.44 min Scan# 2534

Delta R.T. -0.00 min

Lab File: BN014581.D

Acq: 12 May 2021 17:50

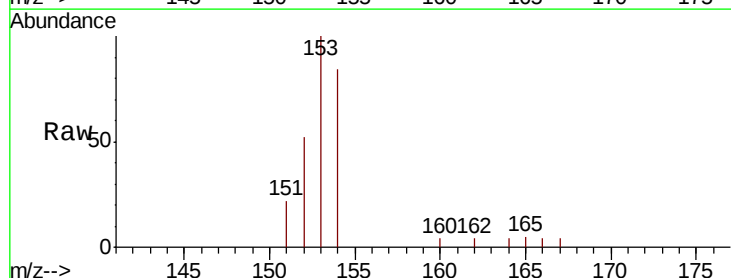
Tgt Ion:153 Resp: 1535

Ion Ratio Lower Upper

153 100

152 51.8 40.9 61.3

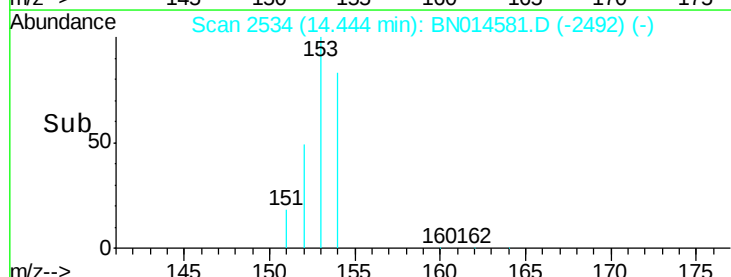
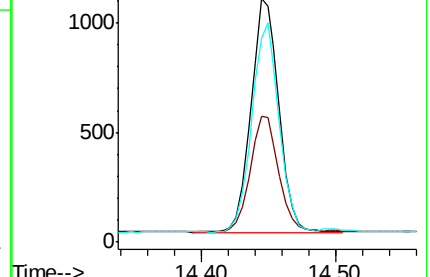
154 83.9 70.7 106.1

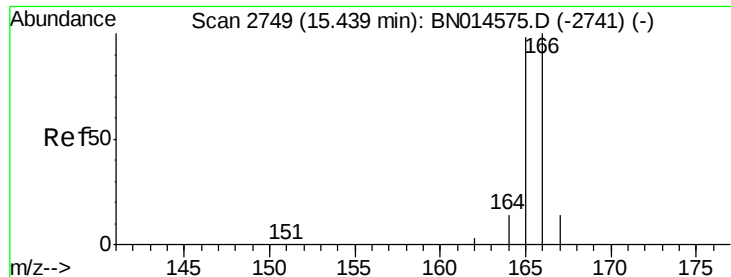


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#12

Fluorene

Concen: 0.334 ng/ul

RT: 15.44 min Scan# 2749

Delta R.T. -0.00 min

Lab File: BN014581.D

Acq: 12 May 2021 17:50

Instrument :

BNA_N

ClientSampleId :

SLCS056

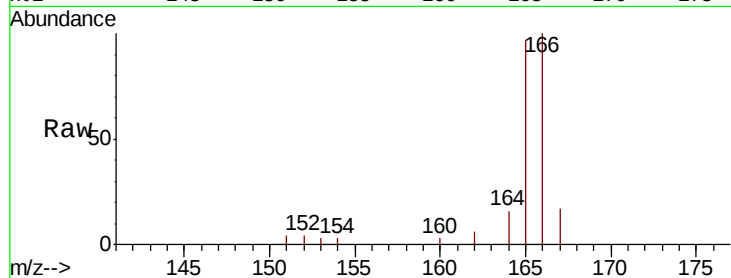
Tot Ion:166 Resp: 1906

Ion Ratio Lower Upper

166 100

165 97.1 78.6 118.0

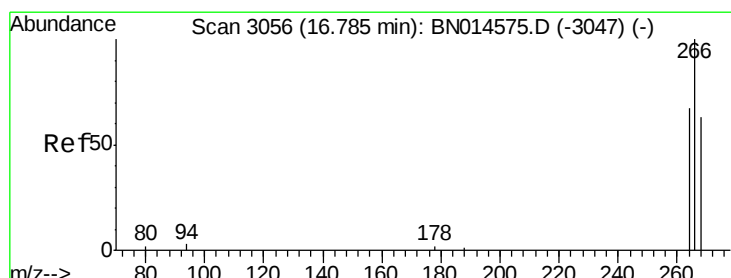
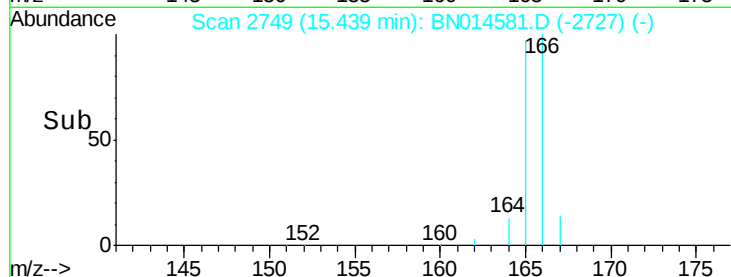
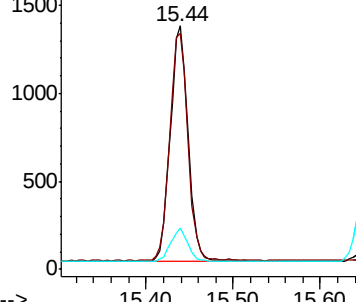
167 16.8 13.2 19.8



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: 0.589 ng/ul

RT: 16.78 min Scan# 3056

Delta R.T. -0.00 min

Lab File: BN014581.D

Acq: 12 May 2021 17:50

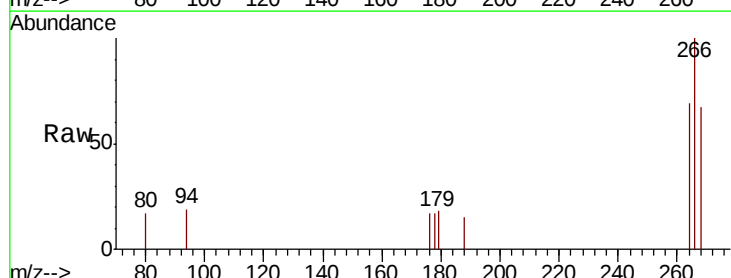
Tgt Ion:266 Resp: 387

Ion Ratio Lower Upper

266 100

264 63.3 49.4 74.2

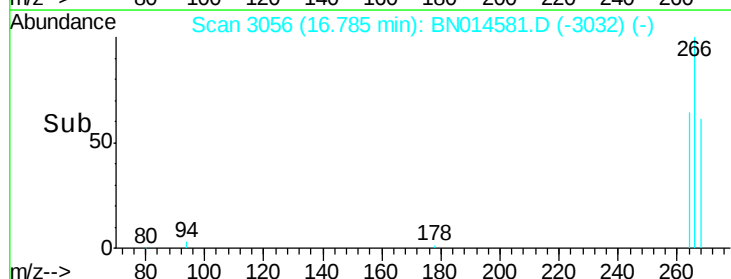
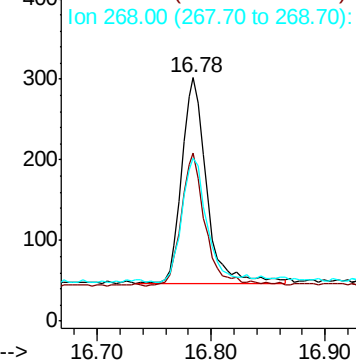
268 60.7 49.1 73.7

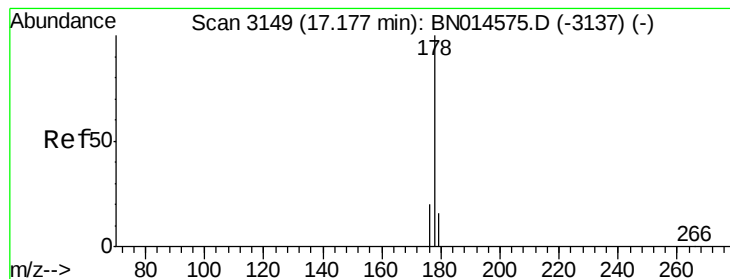


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#15

Phenanthrene

Concen: 0.347 ng/ul

RT: 17.18 min Scan# 3149

Delta R.T. -0.00 min

Lab File: BN014581.D

Acq: 12 May 2021 17:50

Instrument :

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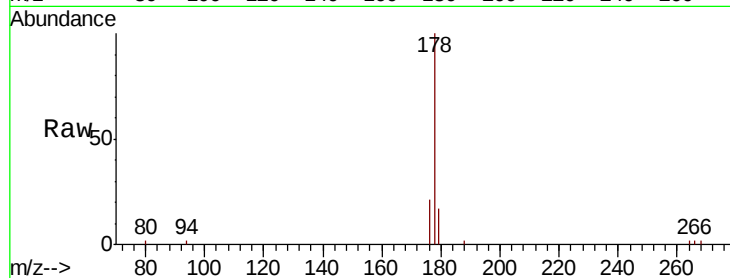
Tot Ion:178 Resp: 3507

Ion Ratio Lower Upper

178 100

179 17.0 14.1 21.1

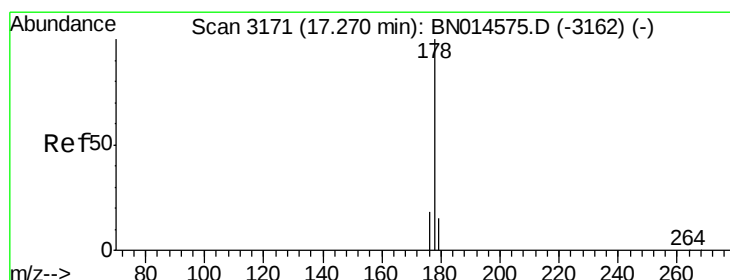
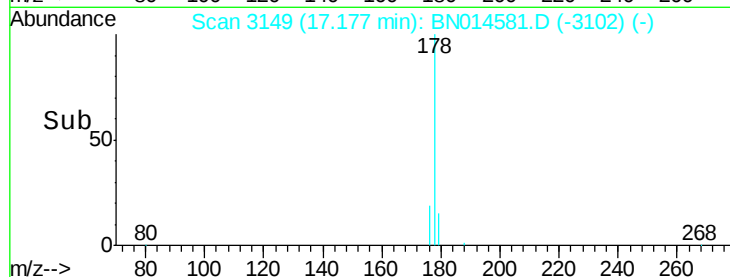
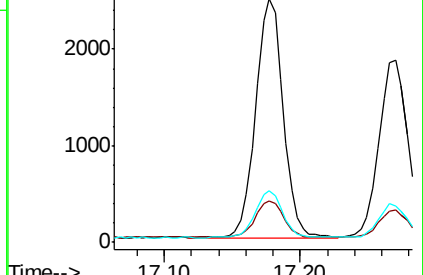
176 21.1 16.9 25.3



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: 0.335 ng/ul

RT: 17.27 min Scan# 3171

Delta R.T. -0.00 min

Lab File: BN014581.D

Acq: 12 May 2021 17:50

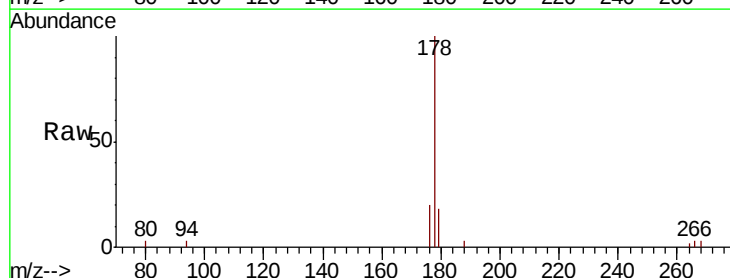
Tgt Ion:178 Resp: 2808

Ion Ratio Lower Upper

178 100

179 18.1 14.1 21.1

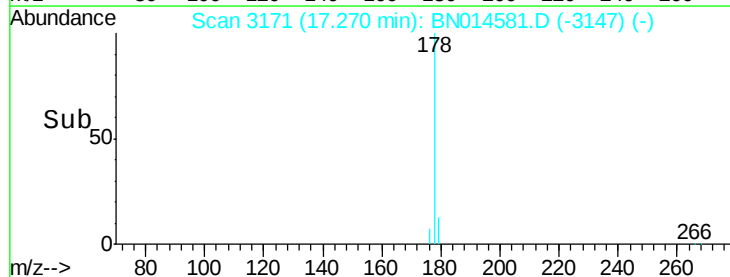
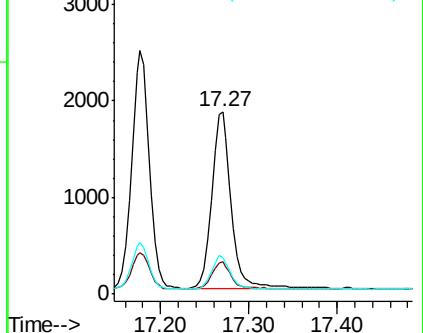
176 19.9 15.8 23.6

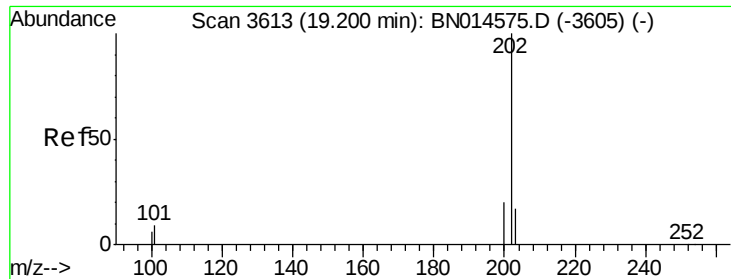


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#19

Fluoranthene

Concen: 0.379 ng/ul

RT: 19.20 min Scan# 3613

Delta R.T. -0.00 min

Lab File: BN014581.D

Acq: 12 May 2021 17:50

Instrument :

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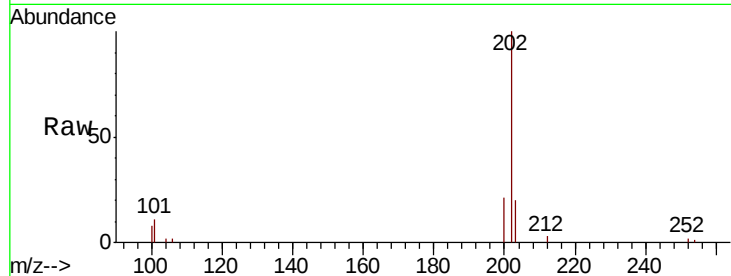
Tot Ion:202 Resp: 4475

Ion Ratio Lower Upper

202 100

101 10.7 8.3 12.5

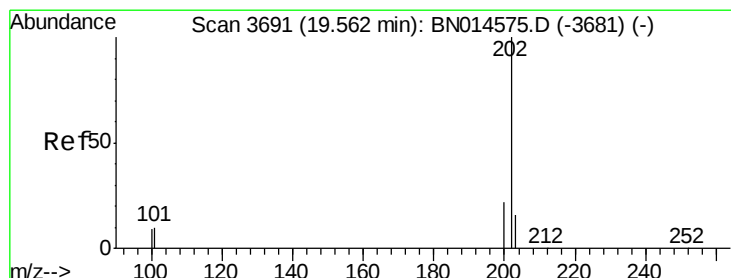
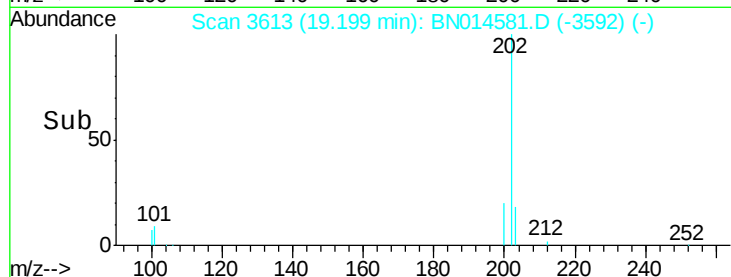
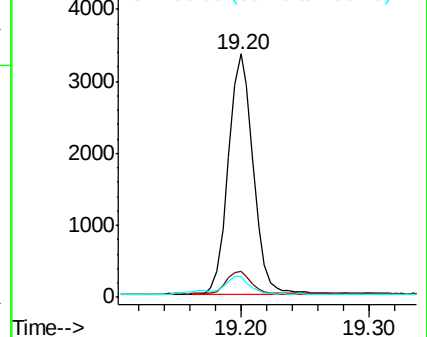
100 8.5 6.7 10.1



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# 3691

Delta R.T. -0.00 min

Lab File: BN014581.D

Acq: 12 May 2021 17:50

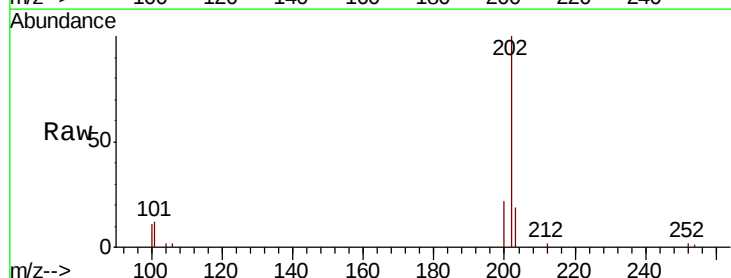
Tgt Ion:202 Resp: 4471

Ion Ratio Lower Upper

202 100

101 11.8 9.4 14.0

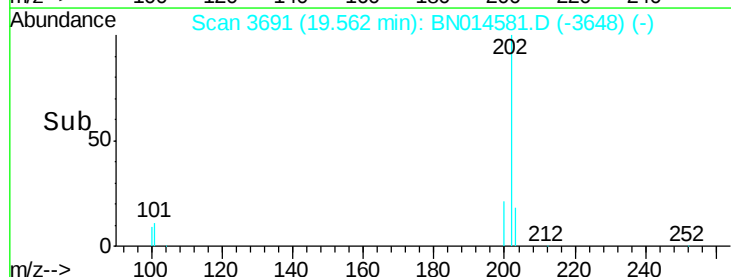
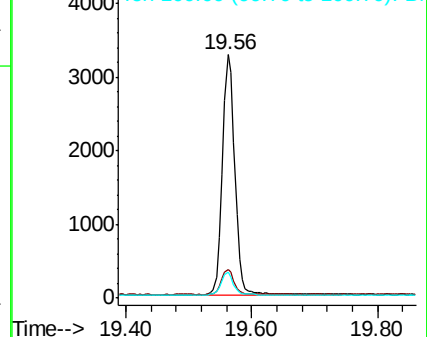
100 10.6 8.2 12.4

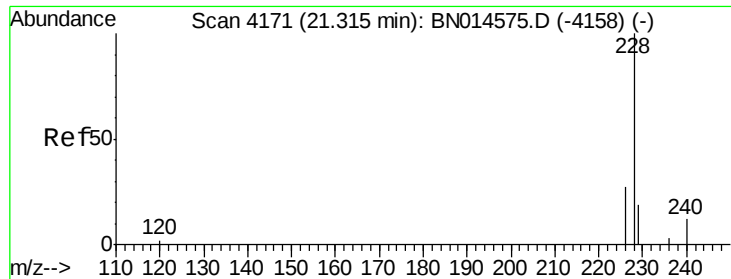


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

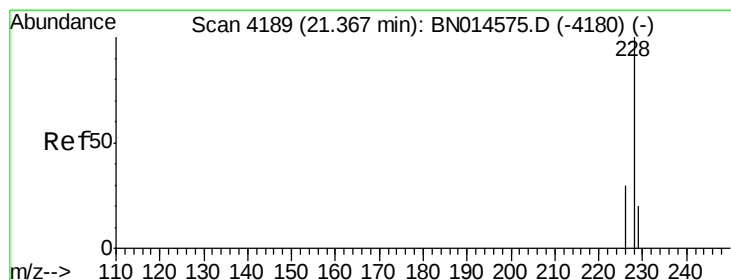
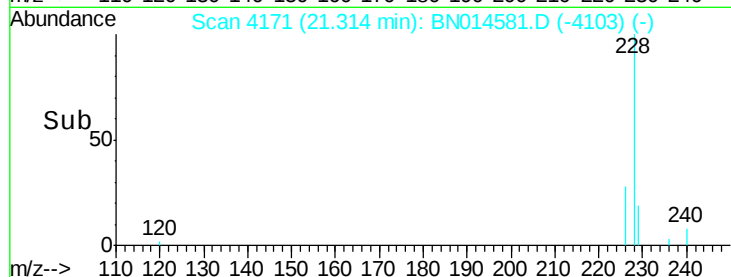
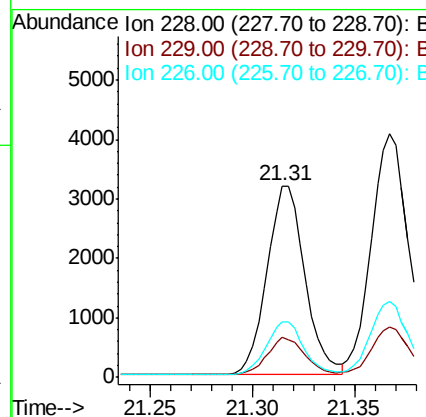
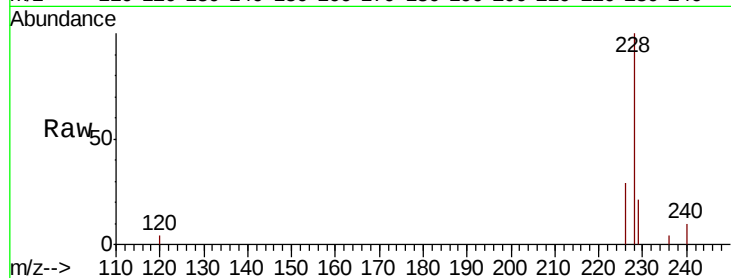




#21
Benzo(a)anthracene
Concen: 0.376 ng/ul
RT: 21.31 min Scan# 4171
Delta R.T. -0.00 min
Lab File: BN014581.D
Acq: 12 May 2021 17:50

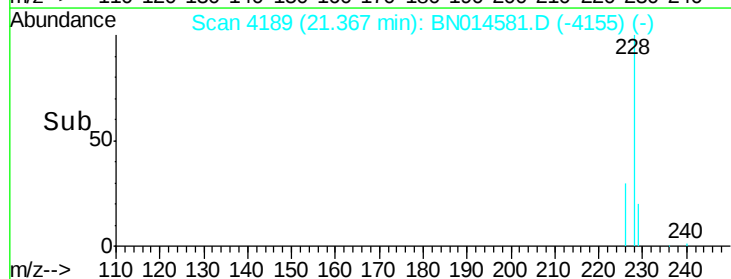
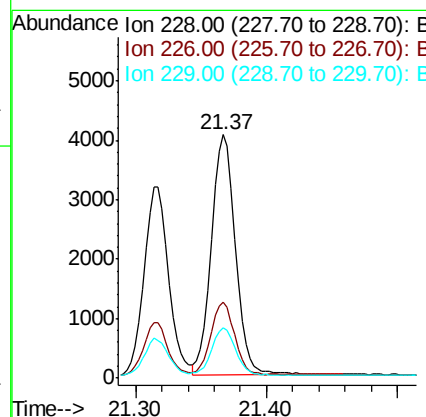
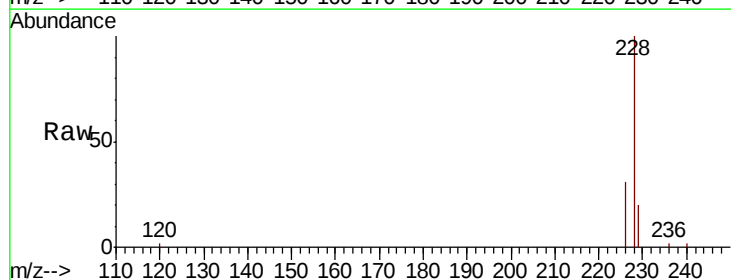
Instrument :
BNA_N
ClientSampleId :
SLCS056

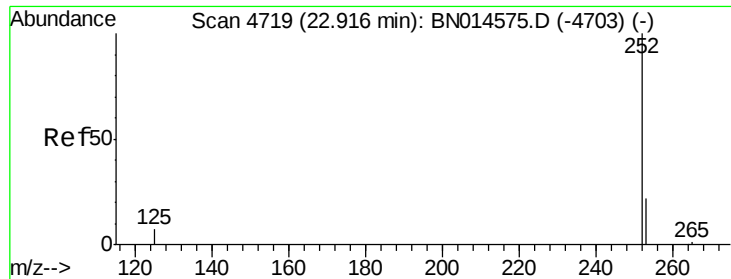
Tot Ion:228 Resp: 4117
Ion Ratio Lower Upper
228 100
229 20.6 16.0 24.0
226 28.9 22.2 33.2



#22
Chrysene
Concen: 0.394 ng/ul
RT: 21.37 min Scan# 4189
Delta R.T. -0.00 min
Lab File: BN014581.D
Acq: 12 May 2021 17:50

Tgt Ion:228 Resp: 5126
Ion Ratio Lower Upper
228 100
226 31.4 24.9 37.3
229 20.5 16.3 24.5





#24

Benzo(b)fluoranthene

Concen: 0.413 ng/ul

RT: 22.92 min Scan# 4720

Delta R.T. 0.00 min

Lab File: BN014581.D

Acq: 12 May 2021 17:50

Instrument :

BNA_N

ClientSampleId :

SLCS056

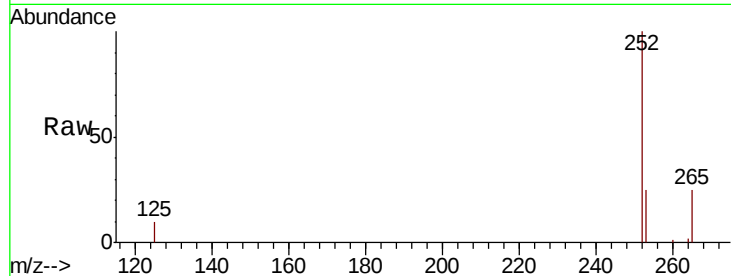
Tot Ion:252 Resp: 5052

Ion Ratio Lower Upper

252 100

253 25.4 0.0 51.0

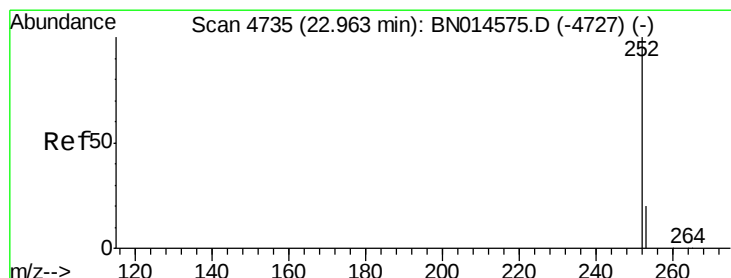
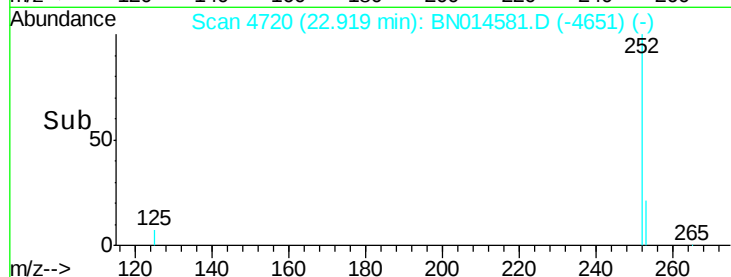
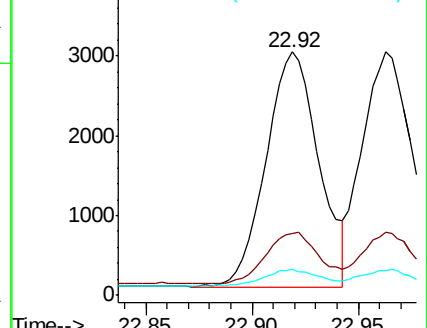
125 10.5 0.0 20.2



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: 0.401 ng/ul

RT: 22.96 min Scan# 4735

Delta R.T. -0.00 min

Lab File: BN014581.D

Acq: 12 May 2021 17:50

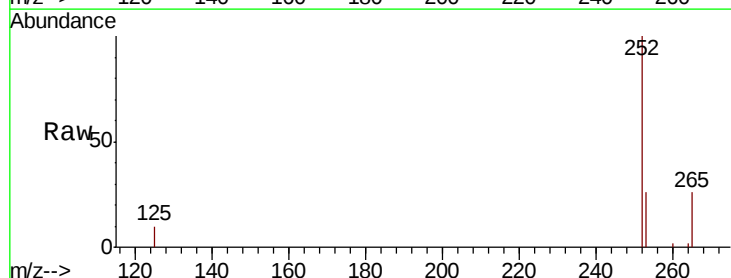
Tgt Ion:252 Resp: 5122

Ion Ratio Lower Upper

252 100

253 25.9 20.2 30.2

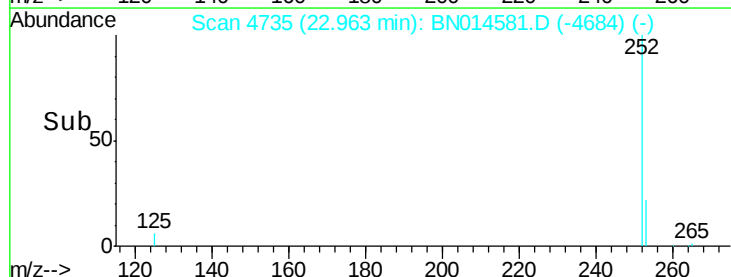
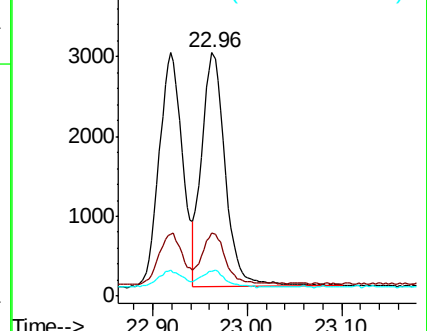
125 10.0 8.4 12.6

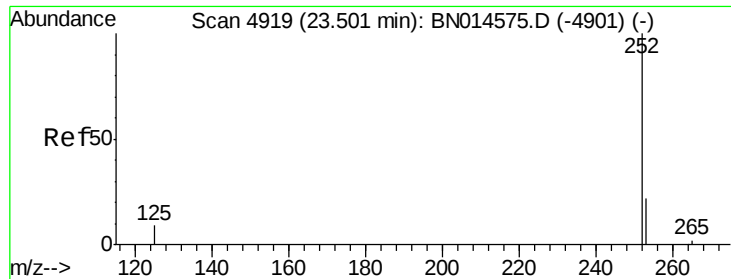


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.395 ng/ul

RT: 23.50 min Scan# 4920

Delta R.T. 0.00 min

Lab File: BN014581.D

Acq: 12 May 2021 17:50

Instrument :

BNA_N

ClientSampleId :

SLCS056

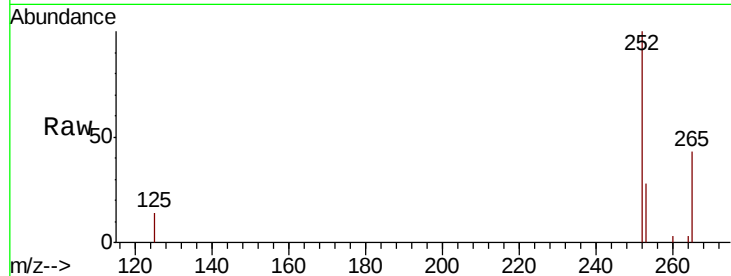
Tot Ion:252 Resp: 3809

Ion Ratio Lower Upper

252 100

253 28.4 23.0 34.4

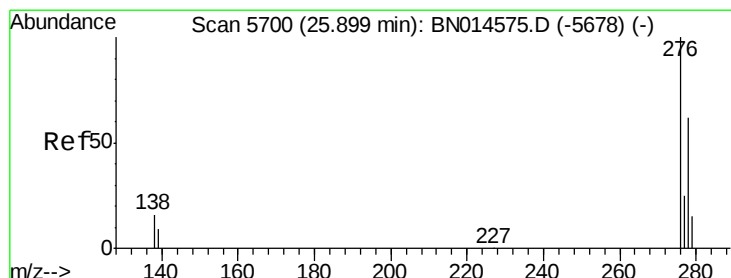
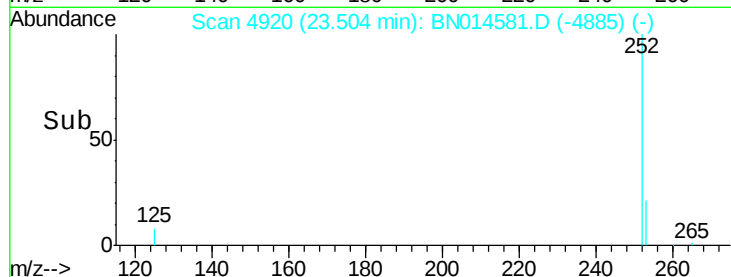
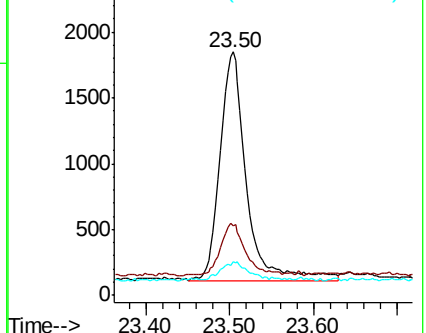
125 13.6 11.4 17.2



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: 0.384 ng/ul

RT: 25.90 min Scan# 5700

Delta R.T. -0.00 min

Lab File: BN014581.D

Acq: 12 May 2021 17:50

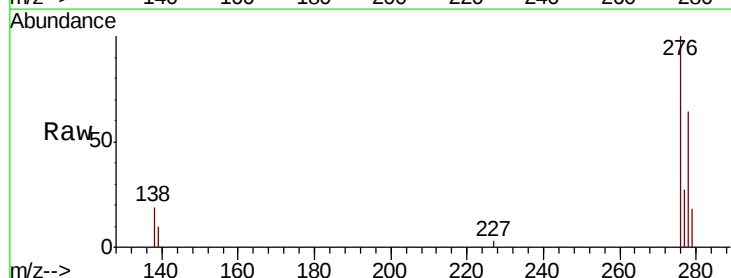
Tgt Ion:276 Resp: 5418

Ion Ratio Lower Upper

276 100

138 16.3 14.1 21.1

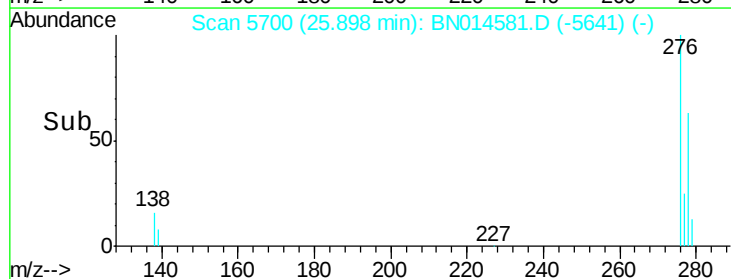
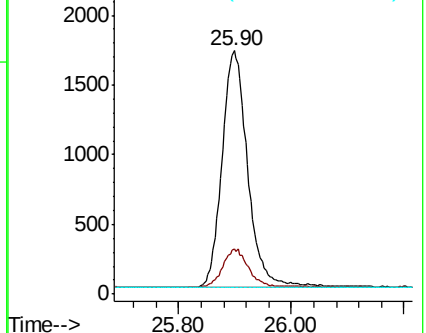
227 0.1 0.0 0.0#

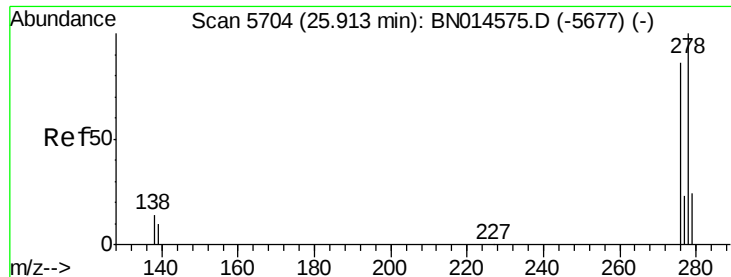


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#28

Dibenzo(a,h)anthracene

Concen: 0.387 ng/ul

RT: 25.92 min Scan# 5705

Delta R.T. 0.00 min

Lab File: BN014581.D

Acq: 12 May 2021 17:50

Instrument :

BNA_N

ClientSampleId :

SLCS056

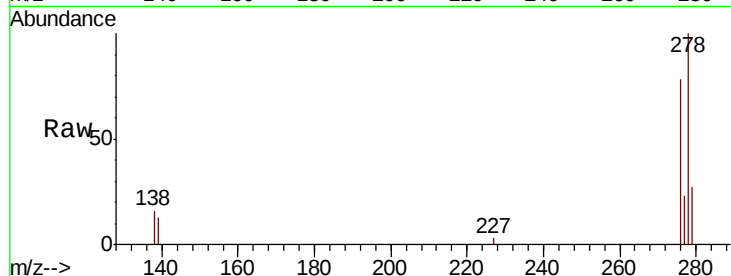
Tot Ion:278 Resp: 4493

Ion Ratio Lower Upper

278 100

139 12.8 10.4 15.6

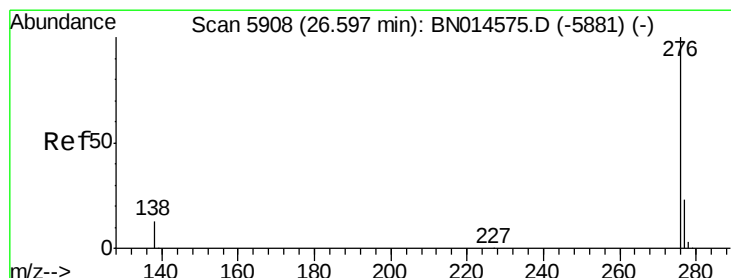
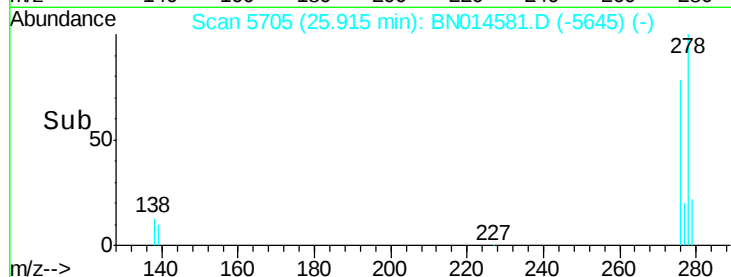
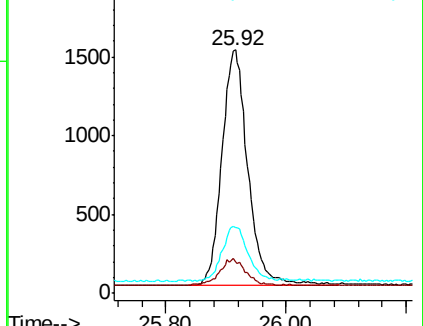
279 26.8 21.8 32.6



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: 0.407 ng/ul

RT: 26.60 min Scan# 5908

Delta R.T. -0.00 min

Lab File: BN014581.D

Acq: 12 May 2021 17:50

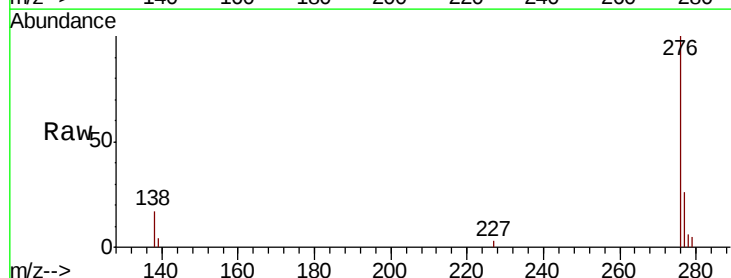
Tgt Ion:276 Resp: 4775

Ion Ratio Lower Upper

276 100

138 17.1 12.6 18.8

277 25.8 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

