

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120420\
 Data File : BN012878.D
 Acq On : 04 Dec 2020 15:32
 Operator : CG/JU
 Sample : PB133356BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SLCS356

Quant Time: Dec 04 16:22:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN111020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 04 15:28:58 2020
 Response via : Initial Calibration

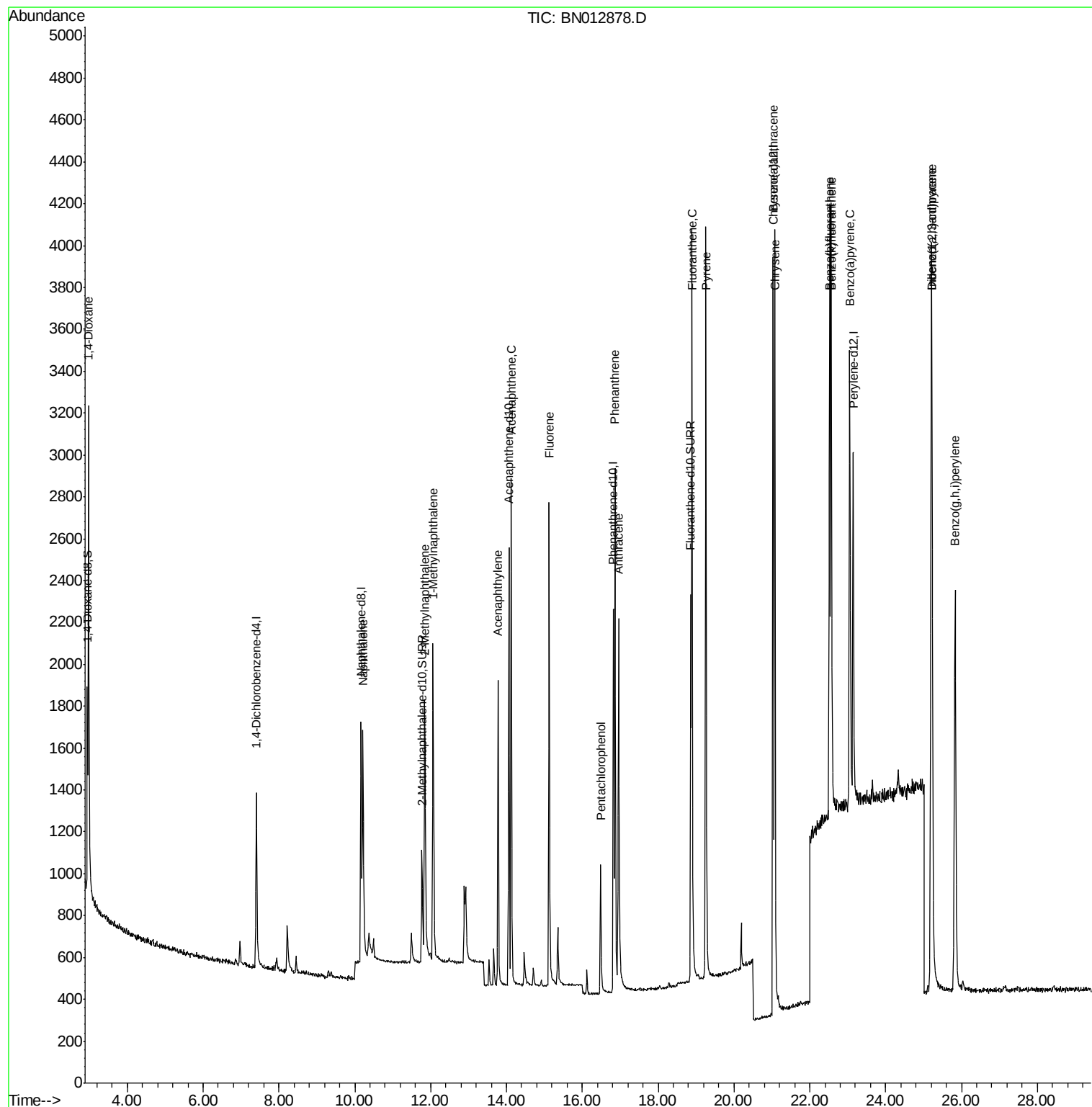
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	516	0.40	ng/ul	0.00
4) Naphthalene-d8	10.17	136	2031	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.06	164	1158	0.40	ng/ul	0.00
13) Phenanthrene-d10	16.82	188	2530	0.40	ng/ul	0.00
19) Chrysene-d12	21.04	240	2063	0.40	ng/ul	0.00
23) Perylene-d12	23.14	264	2180	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.95	96	567	0.81	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.77	152	980	0.34	ng/ul	0.00
17) Fluoranthene-d10	18.86	212	2413	0.38	ng/ul	0.00
Target Compounds				Ovalue		
2) 1,4-Dioxane	2.98	88	1436	2.032	ng/ul#	92
5) Naphthalene	10.21	128	1847	0.323	ng/ul	97
7) 2-Methylnaphthalene	11.85	142	1232	0.334	ng/ul	98
8) 1-Methylnaphthalene	12.07	142	1213	0.343	ng/ul	96
10) Acenaphthylene	13.78	152	1816	0.355	ng/ul	97
11) Acenaphthene	14.12	153	1461	0.334	ng/ul	96
12) Fluorene	15.12	166	1689	0.345	ng/ul	98
14) Pentachlorophenol	16.48	266	468	0.677	ng/ul	96
15) Phenanthrene	16.86	178	2907	0.347	ng/ul	97
16) Anthracene	16.96	178	2494	0.363	ng/ul	99
18) Fluoranthene	18.89	202	3496	0.376	ng/ul	99
20) Pyrene	19.26	202	3550	0.364	ng/ul	97
21) Benzo(a)anthracene	21.02	228	2907	0.386	ng/ul	99
22) Chrysene	21.08	228	3397	0.376	ng/ul	98
24) Benzo(b)fluoranthene	22.52	252	3580	0.385	ng/ul	98
25) Benzo(k)fluoranthene	22.56	252	4013	0.375	ng/ul	99
26) Benzo(a)pyrene	23.05	252	3366	0.384	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	25.20	276	4462	0.387	ng/ul#	99
28) Dibenzo(a,h)anthracene	25.22	278	3553	0.383	ng/ul	99
29) Benzo(g,h,i)perylene	25.83	276	4063	0.381	ng/ul	99

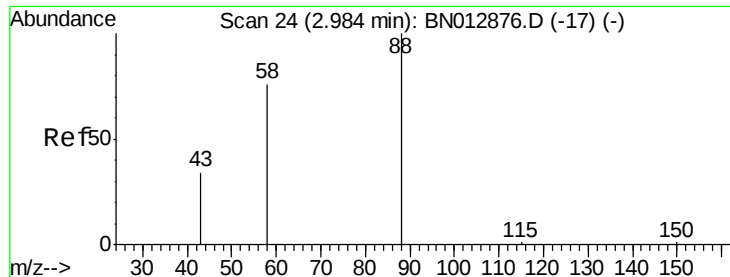
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 2.032 ng/ul

RT: 2.98 min Scan# 22

Delta R.T. -0.01 min

Lab File: BN012878.D

Acq: 04 Dec 2020 15:32

Instrument :

BNA_N

ClientSampleId :

SLCS356

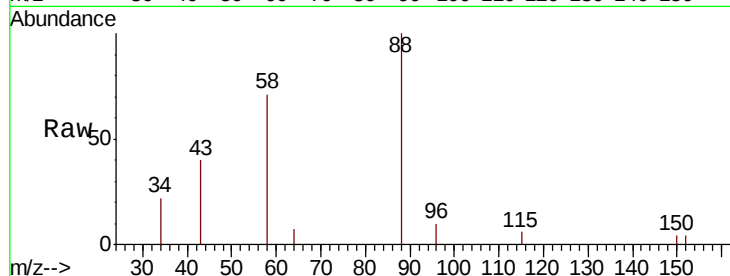
Tot Ion: 88 Resp: 1436

Ion Ratio Lower Upper

88 100

43 40.0 42.7 64.1#

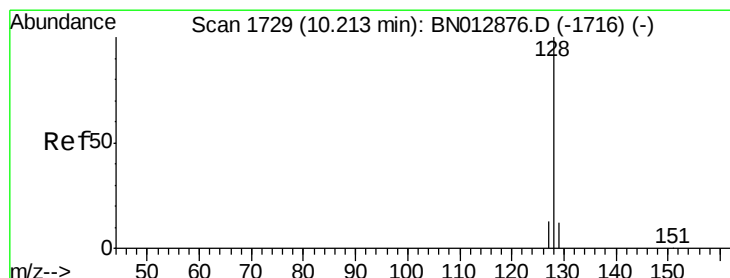
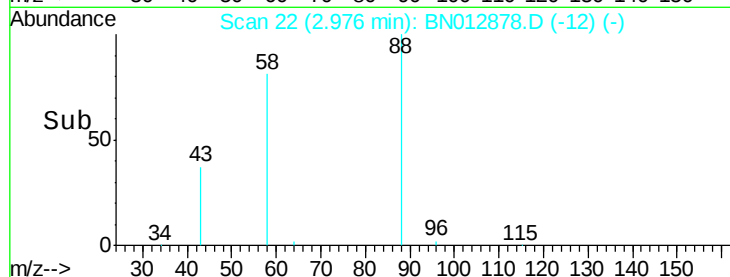
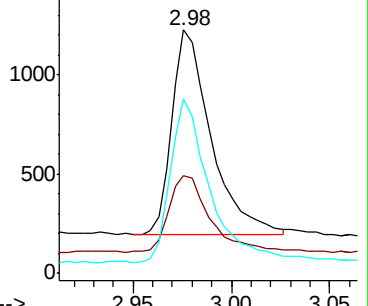
58 71.5 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): BN012876.D (-17) (-)

Ion 43.00 (42.70 to 43.70): BN012876.D (-17) (-)

Ion 58.00 (57.70 to 58.70): BN012876.D (-17) (-)



#5

Naphthalene

Concen: 0.323 ng/ul

RT: 10.21 min Scan# 1729

Delta R.T. -0.00 min

Lab File: BN012878.D

Acq: 04 Dec 2020 15:32

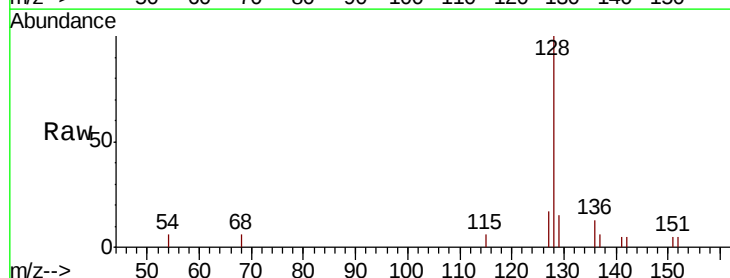
Tgt Ion: 128 Resp: 1847

Ion Ratio Lower Upper

128 100

129 15.2 11.1 16.7

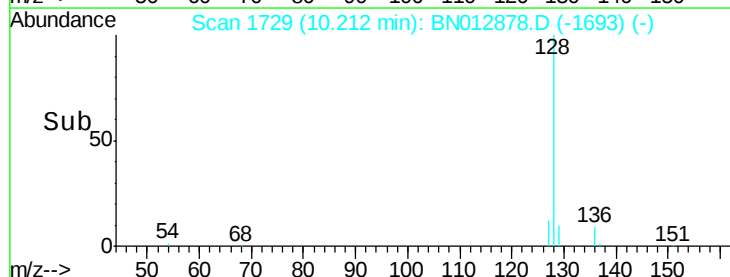
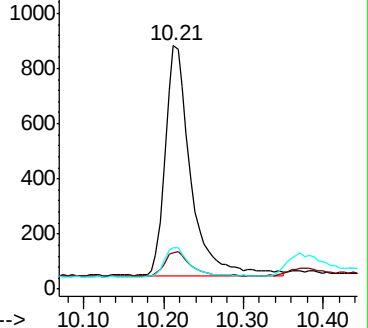
127 17.0 12.6 18.8

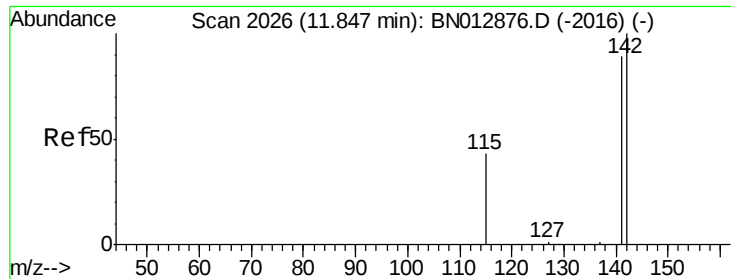


Abundance Ion 128.00 (127.70 to 128.70): BN012876.D (-1716) (-)

Ion 129.00 (128.70 to 129.70): BN012876.D (-1716) (-)

Ion 127.00 (126.70 to 127.70): BN012876.D (-1716) (-)





#7

2-Methylnaphthalene

Concen: 0.334 ng/ul

RT: 11.85 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BN012878.D

Acq: 04 Dec 2020 15:32

Instrument :

BNA_N

ClientSampleId :

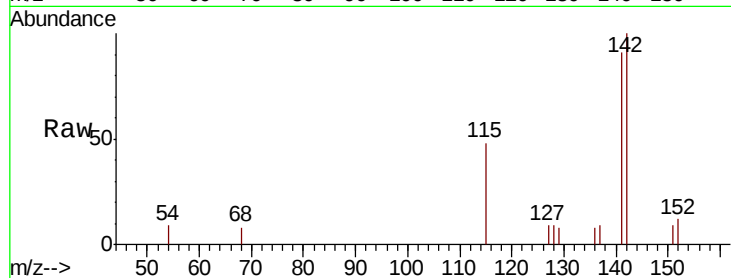
SLCS356

Tot Ion:142 Resp: 1232

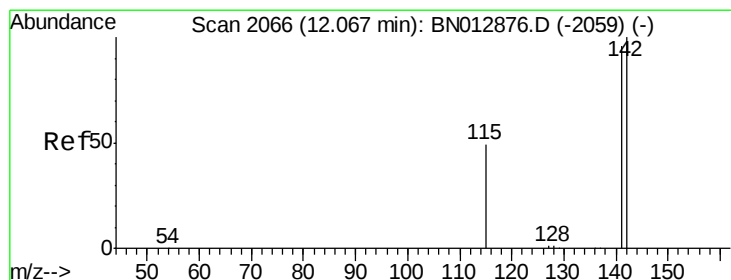
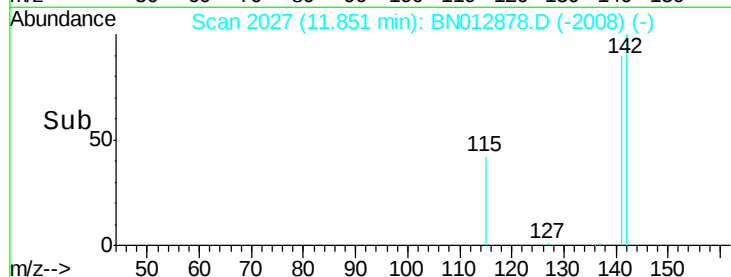
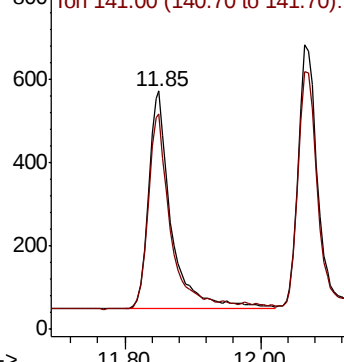
Ion Ratio Lower Upper

142 100

141 88.1 72.1 108.1



Abundance Ion 142.00 (141.70 to 142.70): E



#8

1-Methylnaphthalene

Concen: 0.343 ng/ul

RT: 12.07 min Scan# 2066

Delta R.T. -0.00 min

Lab File: BN012878.D

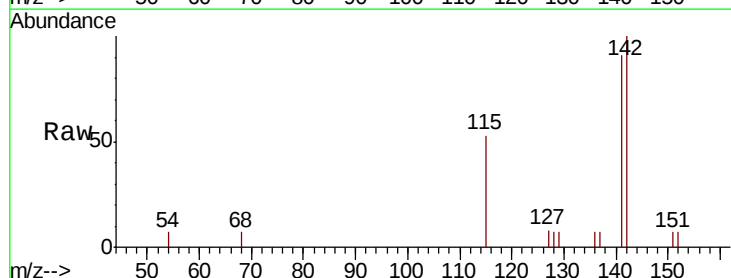
Acq: 04 Dec 2020 15:32

Tgt Ion:142 Resp: 1213

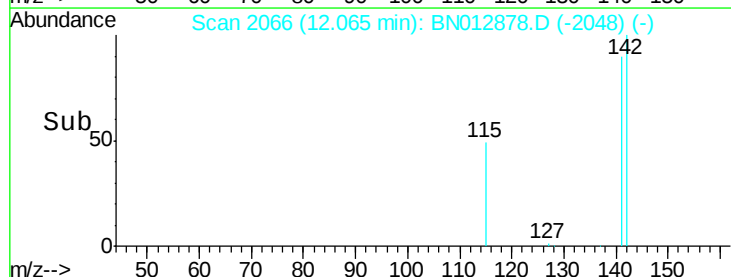
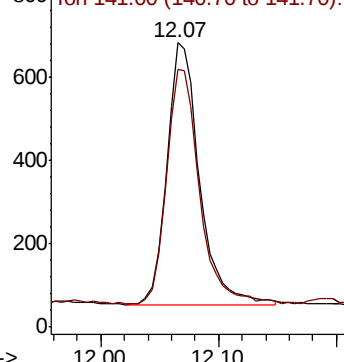
Ion Ratio Lower Upper

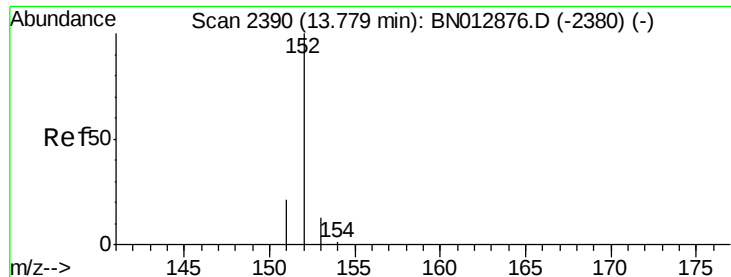
142 100

141 90.3 75.3 112.9



Abundance Ion 142.00 (141.70 to 142.70): E





#10

Acenaphthylene

Concen: 0.355 ng/ul

RT: 13.78 min Scan# 2390

Delta R.T. -0.00 min

Lab File: BN012878.D

Acq: 04 Dec 2020 15:32

Instrument :

BNA_N

ClientSampleId :

SLCS356

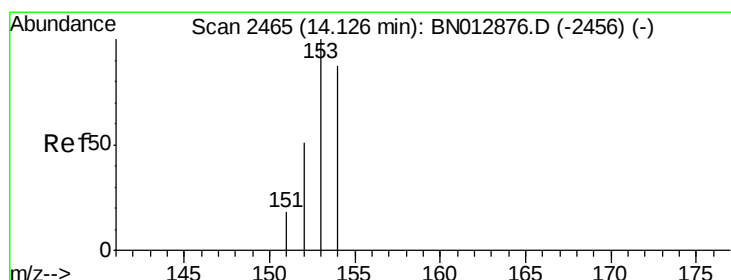
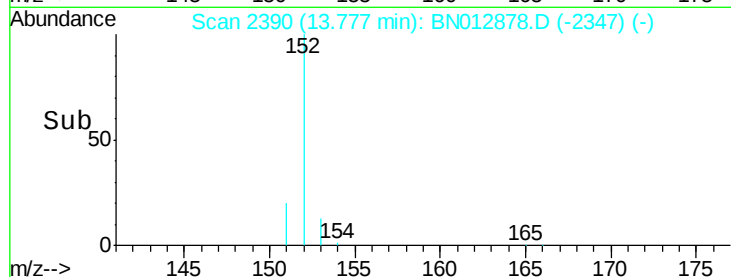
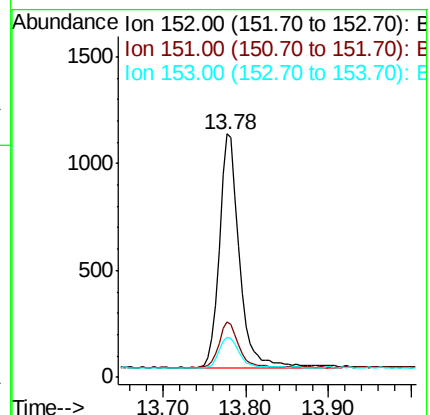
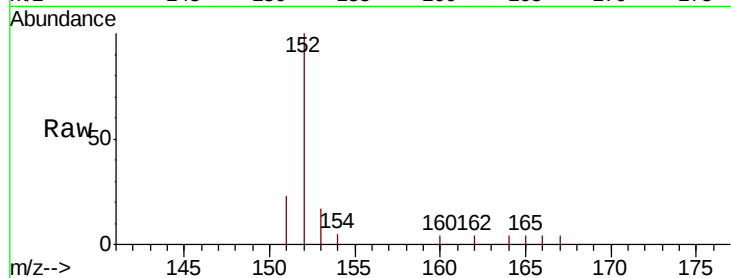
Tot Ion:152 Resp: 1816

Ion Ratio Lower Upper

152 100

151 23.0 17.0 25.4

153 16.5 12.5 18.7



#11

Acenaphthene

Concen: 0.334 ng/ul

RT: 14.12 min Scan# 2465

Delta R.T. -0.00 min

Lab File: BN012878.D

Acq: 04 Dec 2020 15:32

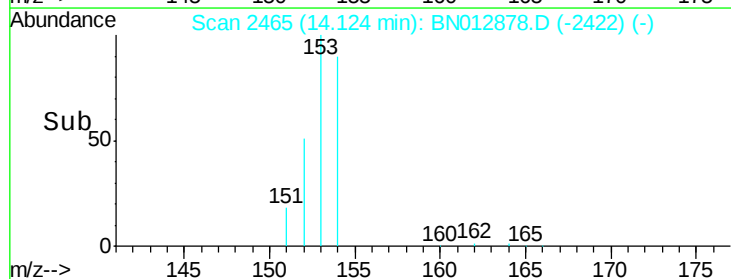
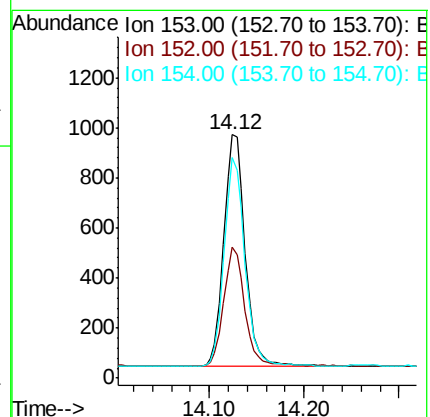
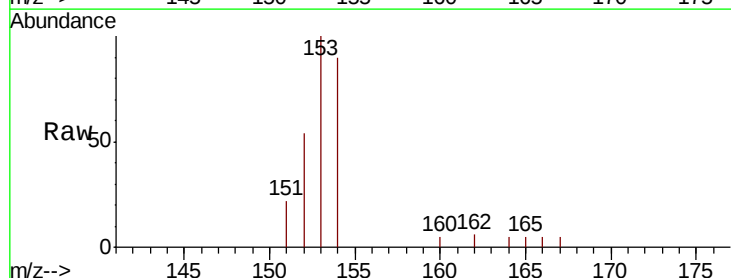
Tgt Ion:153 Resp: 1461

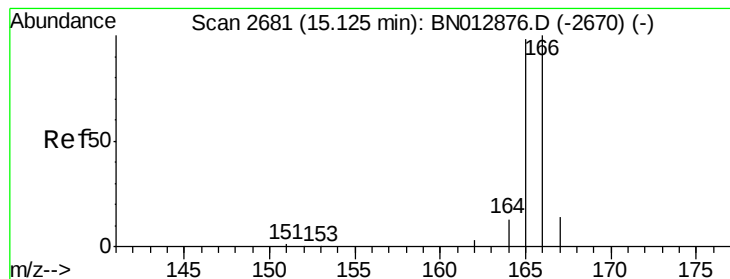
Ion Ratio Lower Upper

153 100

152 53.6 39.9 59.9

154 90.3 69.9 104.9





#12

Fluorene

Concen: 0.345 ng/ul

RT: 15.12 min Scan# 2681

Delta R.T. -0.00 min

Lab File: BN012878.D

Acq: 04 Dec 2020 15:32

Instrument :

BNA_N

ClientSampleId :

SLCS356

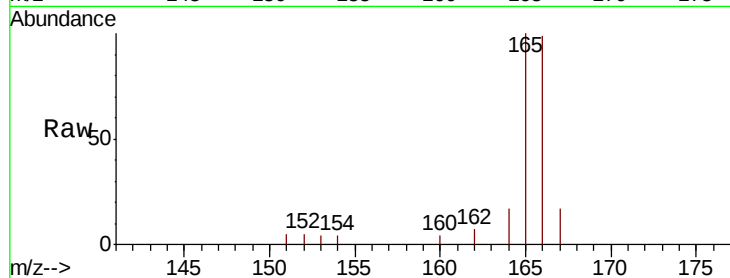
Tot Ion:166 Resp: 1689

Ion Ratio Lower Upper

166 100

165 100.7 78.6 117.8

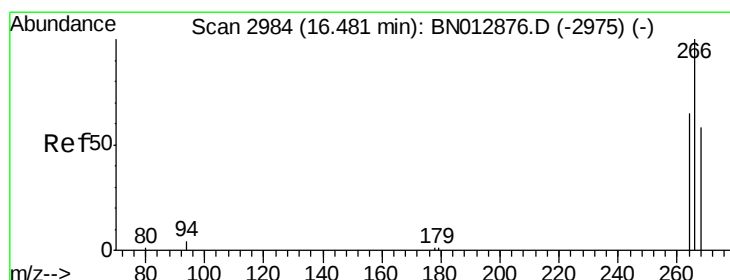
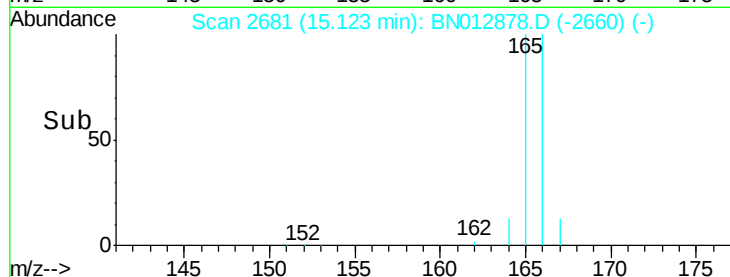
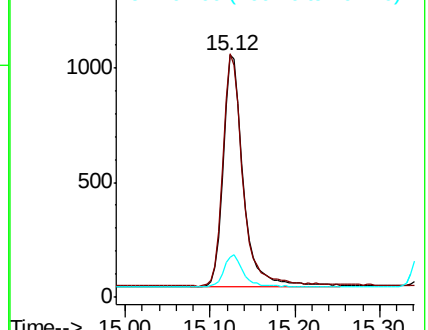
167 16.7 12.6 19.0



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: 0.677 ng/ul

RT: 16.48 min Scan# 2984

Delta R.T. -0.00 min

Lab File: BN012878.D

Acq: 04 Dec 2020 15:32

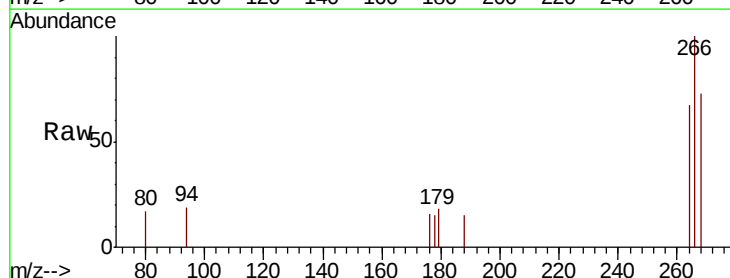
Tgt Ion:266 Resp: 468

Ion Ratio Lower Upper

266 100

264 66.5 48.6 73.0

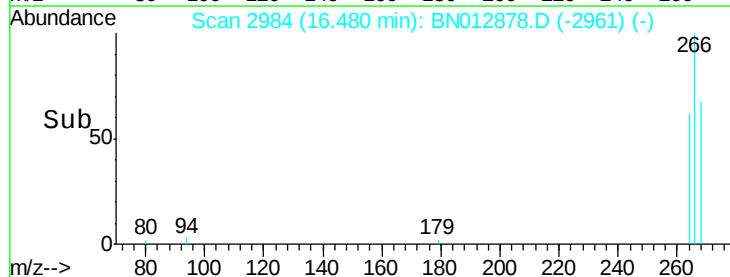
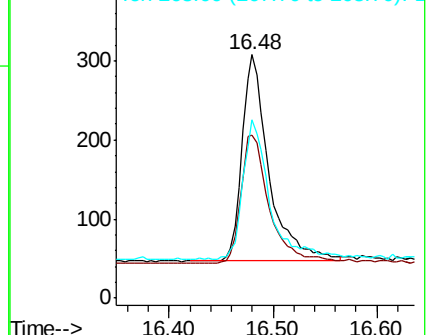
268 68.2 55.2 82.8

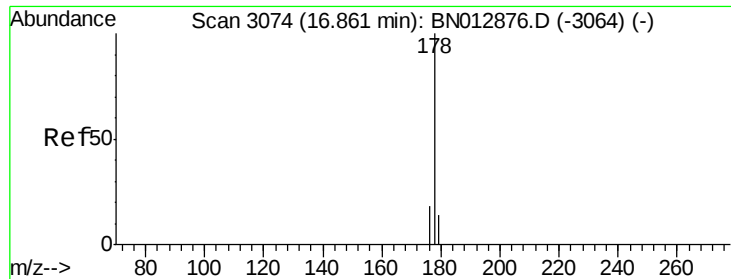


Abundance Ion 266.00 (265.70 to 266.70): E

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: 16.86 min Scan# 3074

Delta R.T. -0.00 min

Lab File: BN012878.D

Acq: 04 Dec 2020 15:32

Instrument :

BNA_N

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SLCS356

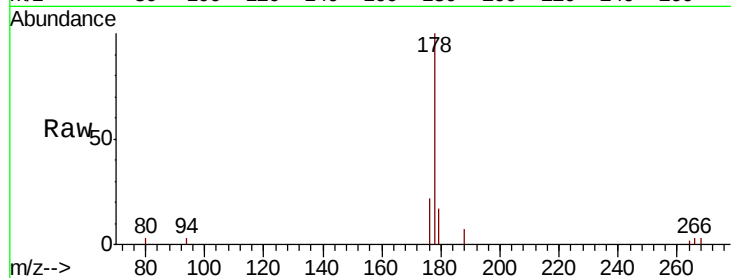
Tot Ion:178 Resp: 2907

Ion Ratio Lower Upper

178 100

179 17.5 13.0 19.6

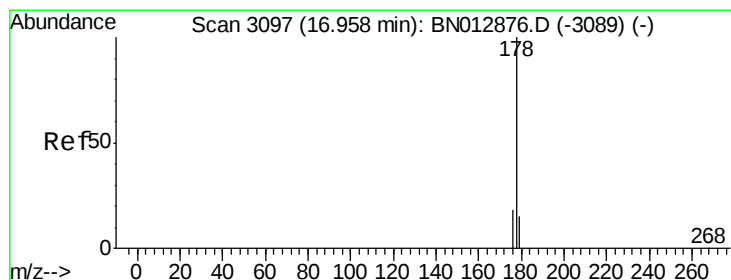
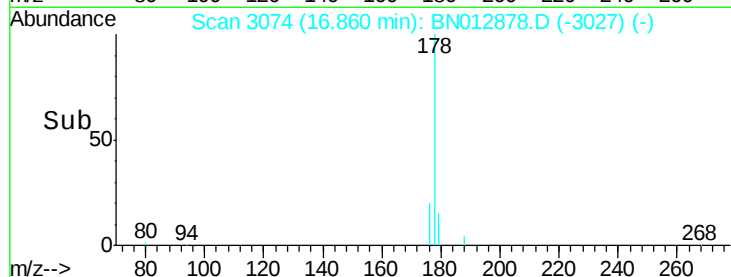
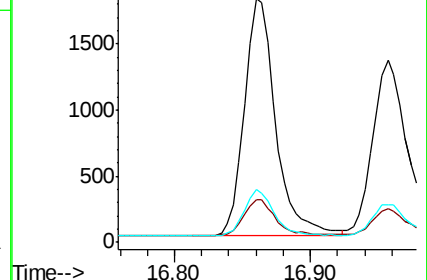
176 21.6 15.8 23.8



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: 0.363 ng/ul

RT: 16.96 min Scan# 3097

Delta R.T. -0.00 min

Lab File: BN012878.D

Acq: 04 Dec 2020 15:32

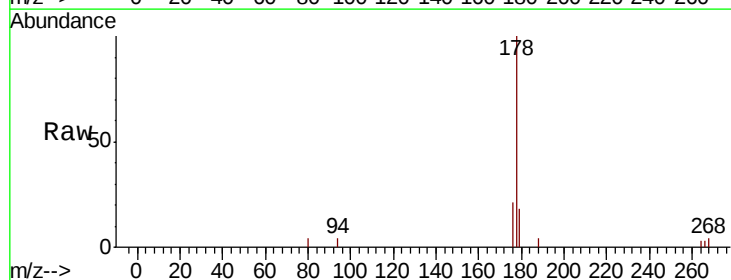
Tgt Ion:178 Resp: 2494

Ion Ratio Lower Upper

178 100

179 18.4 14.2 21.4

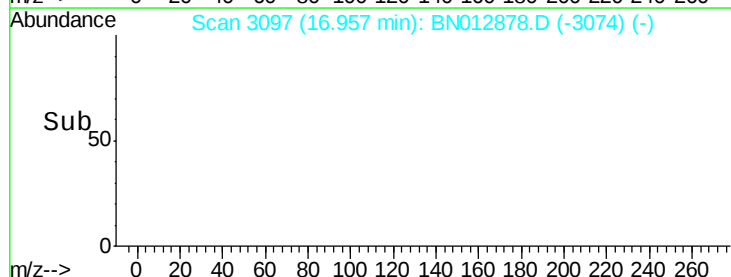
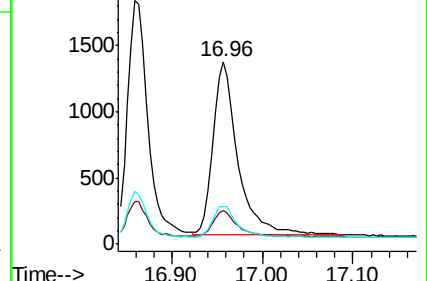
176 20.6 15.9 23.9

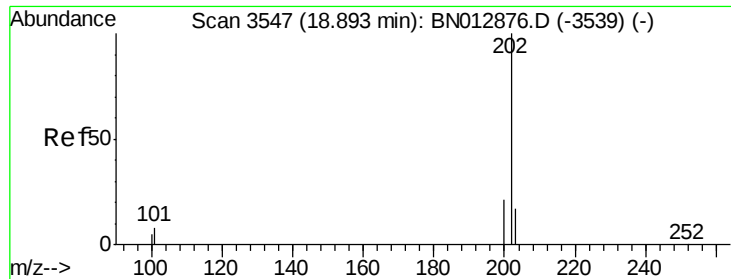


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#18

Fluoranthene

Concen: 0.376 ng/ul

RT: 18.89 min Scan# 3547

Delta R.T. -0.00 min

Lab File: BN012878.D

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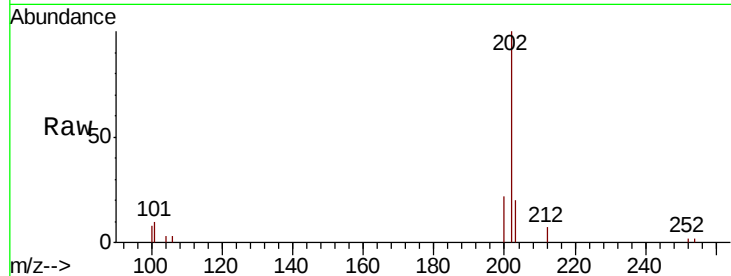
Tot Ion:202 Resp: 3496

Ion Ratio Lower Upper

202 100

101 10.2 8.2 12.2

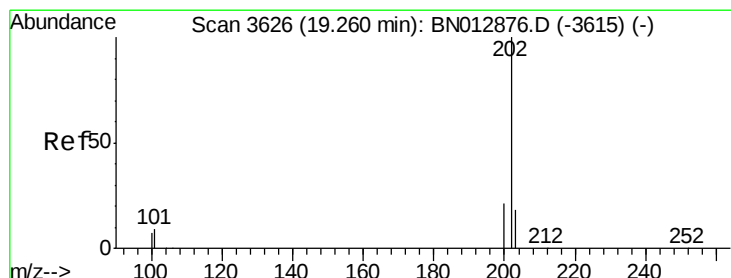
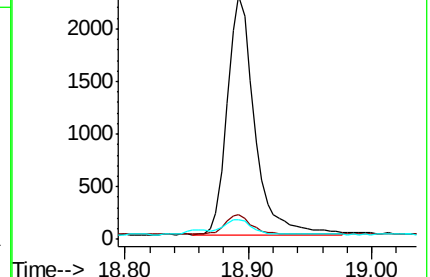
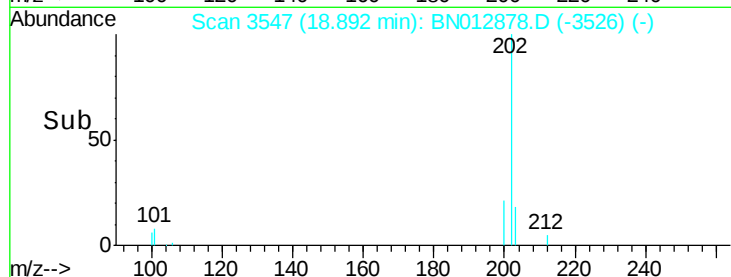
100 7.9 6.9 10.3



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: 0.364 ng/ul

RT: 19.26 min Scan# 3626

Delta R.T. -0.00 min

Lab File: BN012878.D

Acq: 04 Dec 2020 15:32

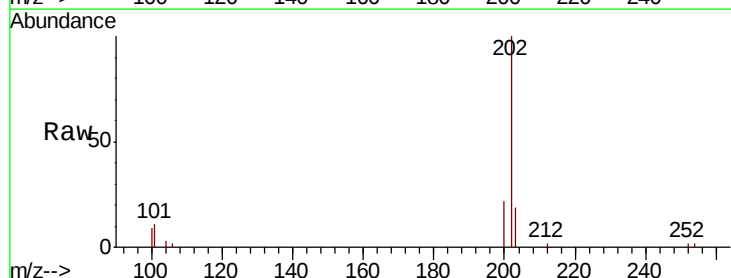
Tgt Ion:202 Resp: 3550

Ion Ratio Lower Upper

202 100

101 11.3 9.4 14.2

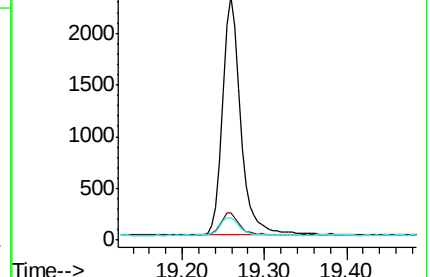
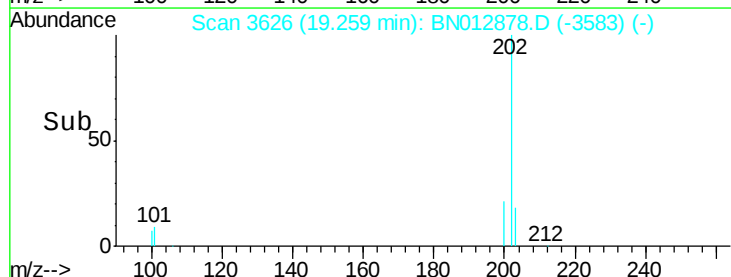
100 9.2 8.6 12.8

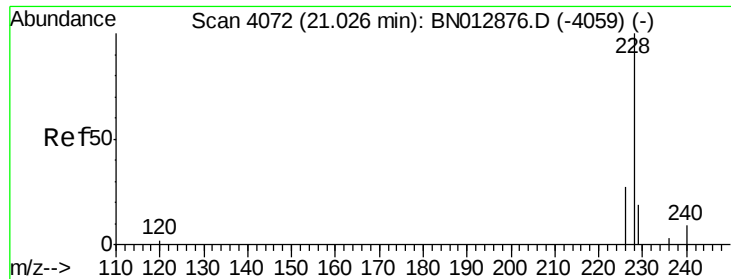


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#21

Benzo(a)anthracene

Concen: 0.386 ng/ul

RT: 21.02 min Scan# 4072

Delta R.T. -0.00 min

Lab File: BN012878.D

Acq: 04 Dec 2020 15:32

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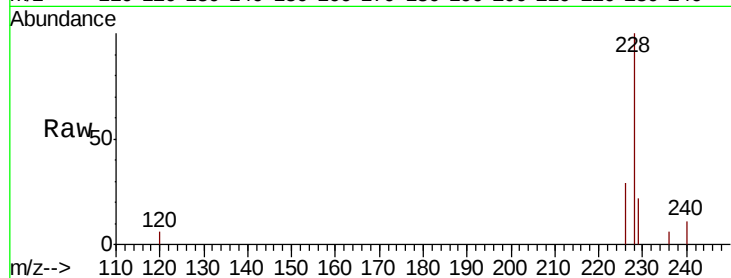
Tot Ion:228 Resp: 2907

Ion Ratio Lower Upper

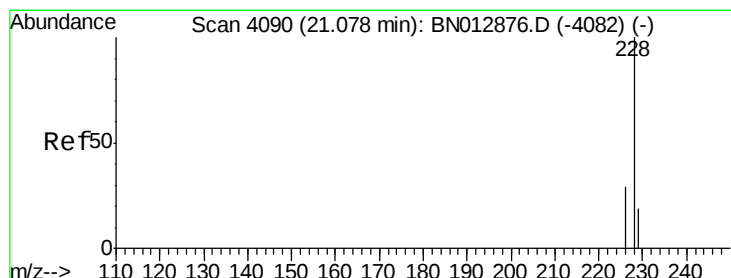
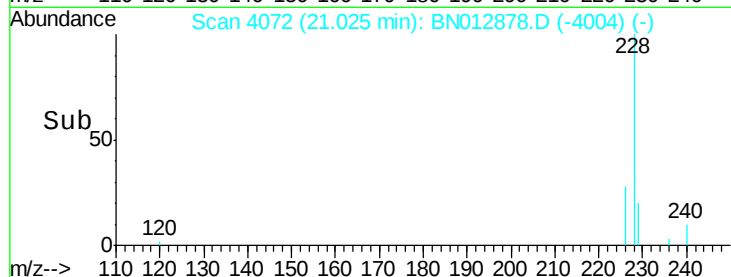
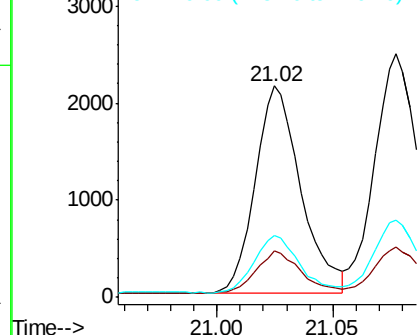
228 100

229 21.7 16.6 25.0

226 29.1 23.5 35.3



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: 0.376 ng/ul

RT: 21.08 min Scan# 4090

Delta R.T. -0.00 min

Lab File: BN012878.D

Acq: 04 Dec 2020 15:32

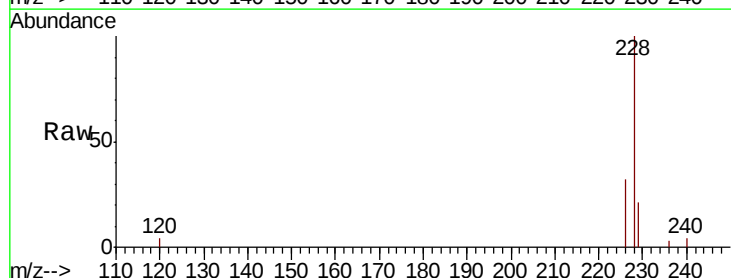
Tgt Ion:228 Resp: 3397

Ion Ratio Lower Upper

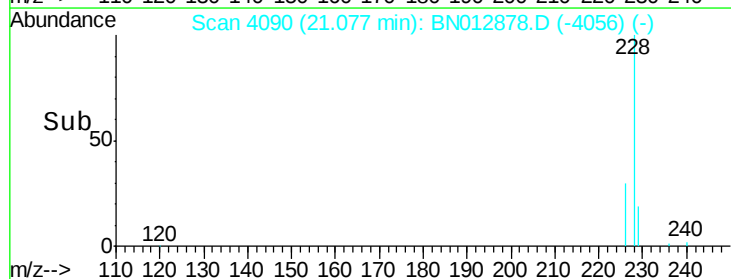
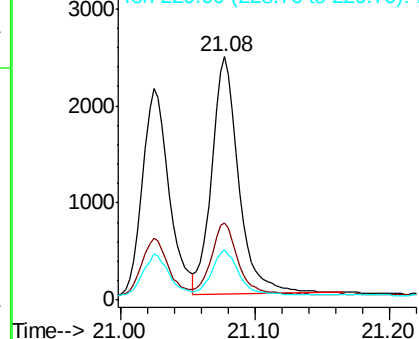
228 100

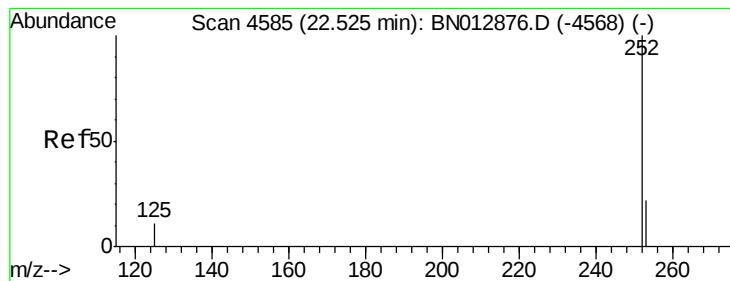
226 31.5 23.9 35.9

229 20.8 16.6 24.8



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: 0.385 ng/ul

RT: 22.52 min Scan# 4585

Delta R.T. -0.00 min

Lab File: BN012878.D

Acq: 04 Dec 2020 15:32

Instrument :

BNA_N

ClientSampleId :

SLCS356

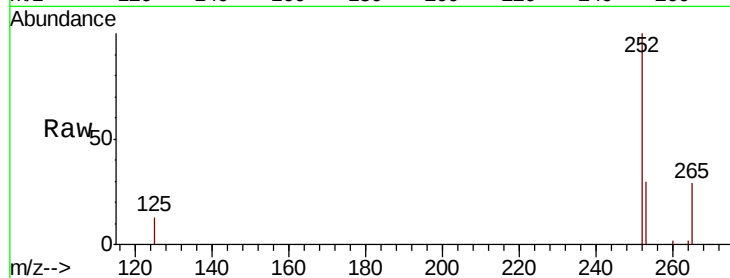
Tot Ion:252 Resp: 3580

Ion Ratio Lower Upper

252 100

253 29.7 0.0 59.2

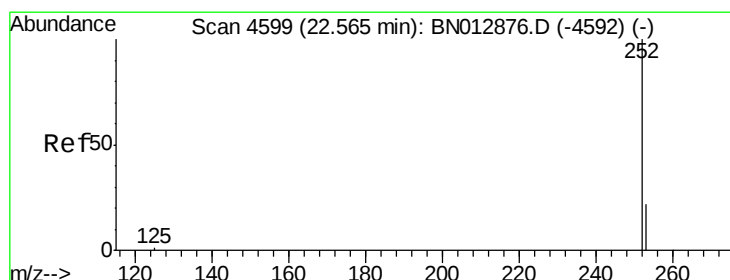
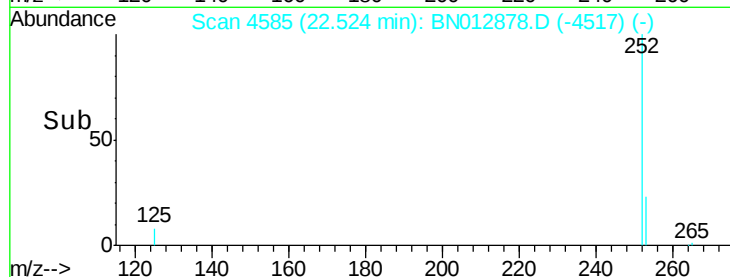
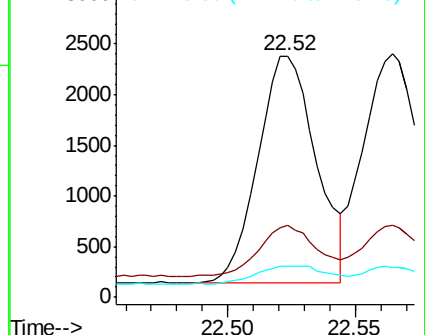
125 12.9 0.0 30.2



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: 0.375 ng/ul

RT: 22.56 min Scan# 4599

Delta R.T. -0.00 min

Lab File: BN012878.D

Acq: 04 Dec 2020 15:32

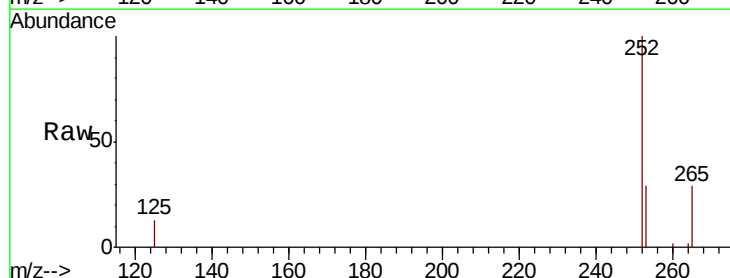
Tgt Ion:252 Resp: 4013

Ion Ratio Lower Upper

252 100

253 29.5 23.3 34.9

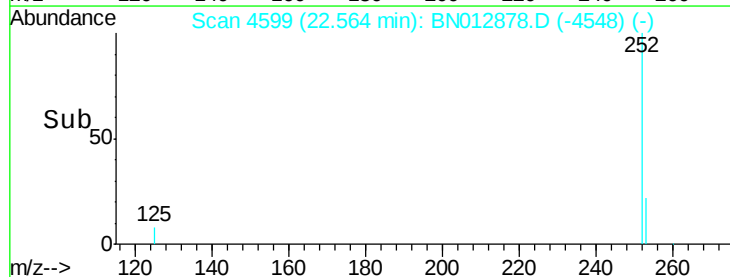
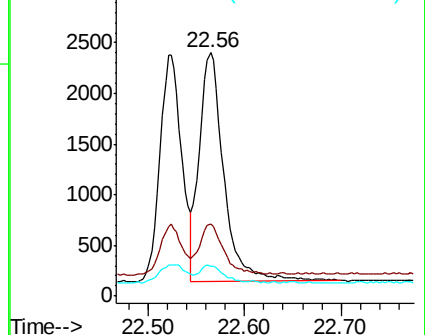
125 12.5 10.6 15.8

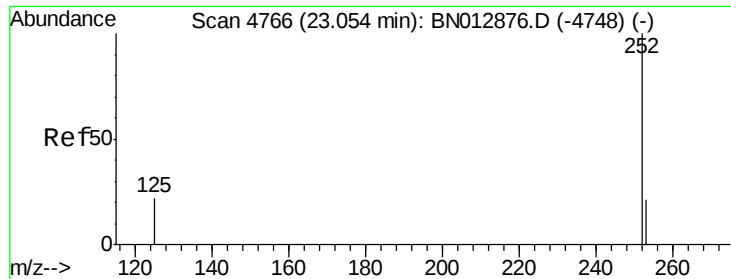


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 0.384 ng/u1

RT: 23.05 min Scan# 4766

Delta R.T. -0.00 min

Lab File: BN012878.D

Acq: 04 Dec 2020 15:32

Instrument :

BNA_N

ClientSampleId :

SLCS356

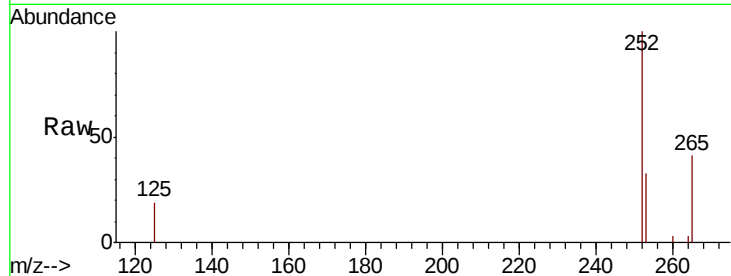
Tot Ion:252 Resp: 3366

Ion Ratio Lower Upper

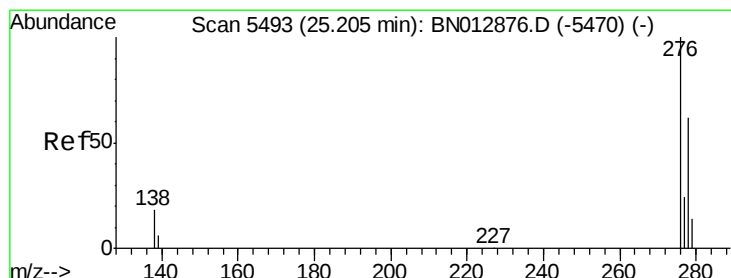
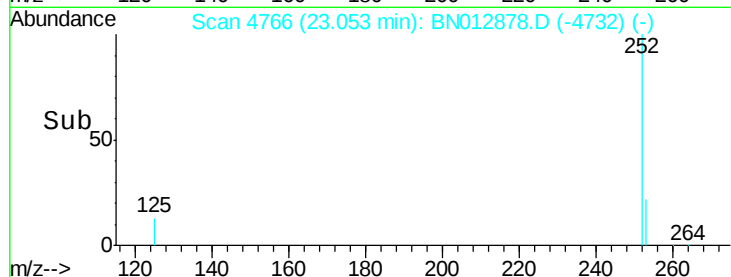
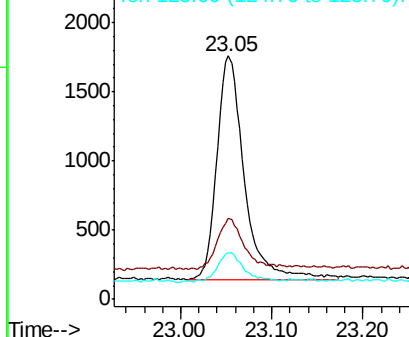
252 100

253 33.0 27.4 41.0

125 19.2 17.7 26.5



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: 0.387 ng/u1

RT: 25.20 min Scan# 5493

Delta R.T. -0.00 min

Lab File: BN012878.D

Acq: 04 Dec 2020 15:32

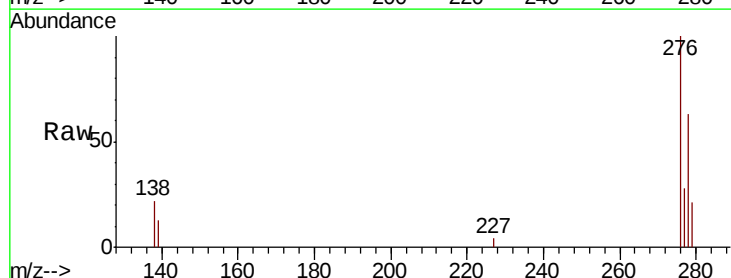
Tgt Ion:276 Resp: 4462

Ion Ratio Lower Upper

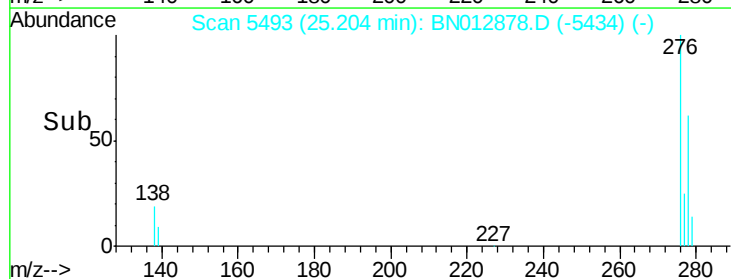
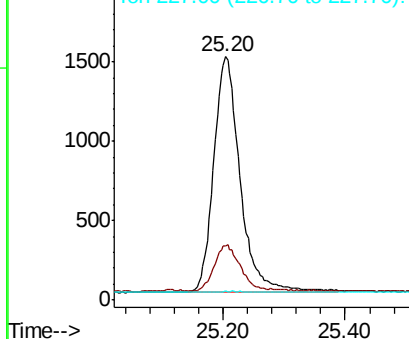
276 100

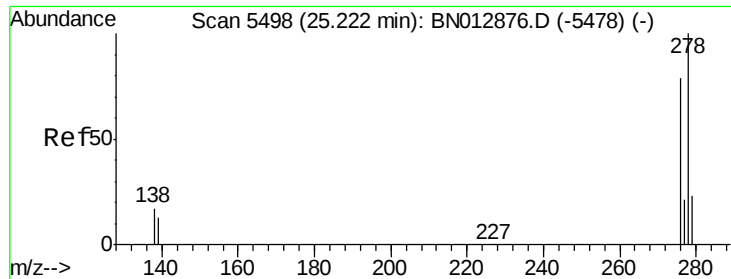
138 19.8 16.3 24.5

227 0.0 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: 0.383 ng/ul

RT: 25.22 min Scan# 5497

Delta R.T. -0.00 min

Lab File: BN012878.D

Acq: 04 Dec 2020 15:32

Instrument :

BNA_N

ClientSampleId :

SLCS356

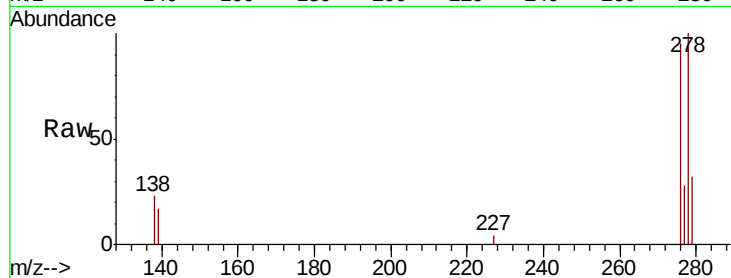
Tot Ion:278 Resp: 3553

Ion Ratio Lower Upper

278 100

139 17.4 13.4 20.2

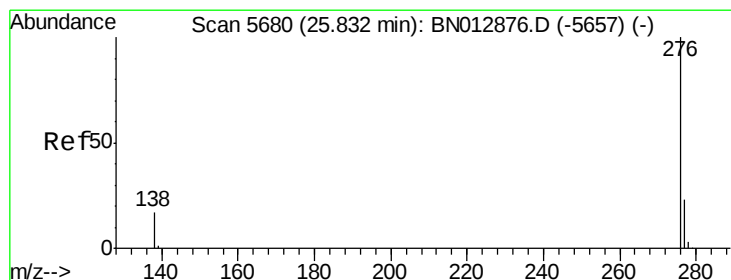
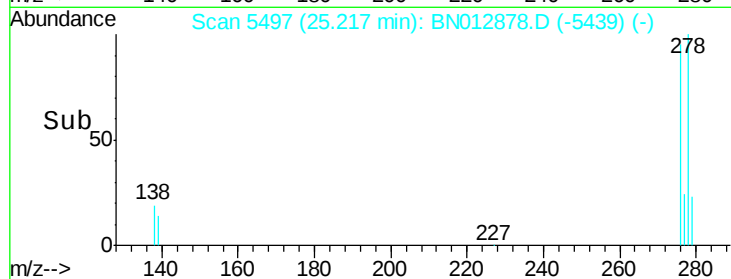
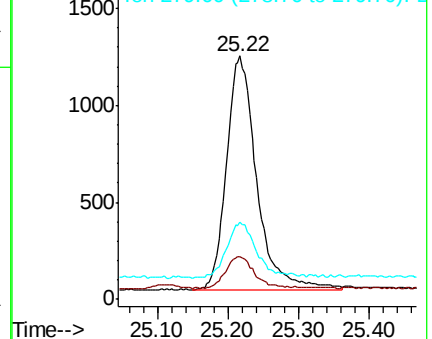
279 31.7 25.8 38.6



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: 0.381 ng/ul

RT: 25.83 min Scan# 5680

Delta R.T. -0.00 min

Lab File: BN012878.D

Acq: 04 Dec 2020 15:32

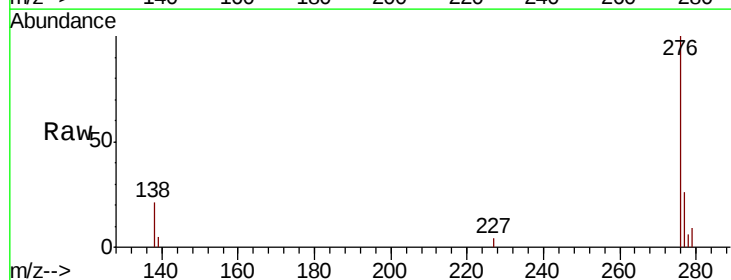
Tgt Ion:276 Resp: 4063

Ion Ratio Lower Upper

276 100

138 20.6 17.1 25.7

277 26.3 21.4 32.0



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

