

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041321\
 Data File : BN014270.D
 Acq On : 13 Apr 2021 14:19
 Operator : CG/JU
 Sample : M1906-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 X3309

Quant Time: Apr 14 01:26:45 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN041221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 12 17:52:31 2021
 Response via : Initial Calibration

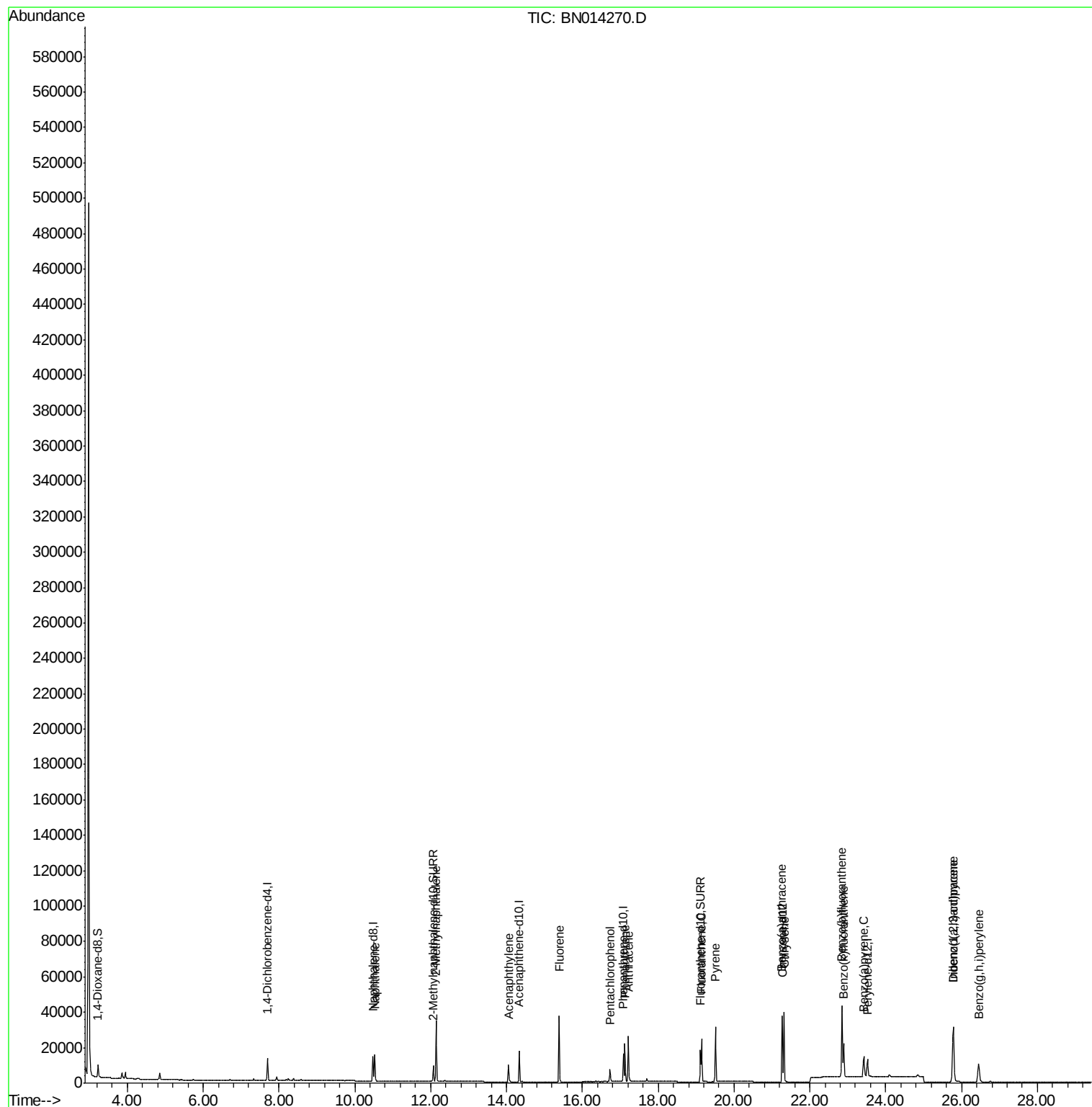
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	5732	0.40	ng/ul	0.00
4) Naphthalene-d8	10.48	136	19120	0.40	ng/ul	0.00
9) Acenaphthene-d10	14.34	164	9699	0.40	ng/ul	0.00
13) Phenanthrene-d10	17.08	188	18950	0.40	ng/ul	0.00
17) Chrysene-d12	21.28	240	15412	0.40	ng/ul	0.00
23) Perylene-d12	23.52	264	13023	0.40	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.23	96	4678	0.75	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.07	152	11417	0.39	ng/ul	0.00
18) Fluoranthene-d10	19.12	212	19938	0.42	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	10.53	128	20690	0.366	ng/ul	100
7) 2-Methylnaphthalene	12.14	142	23343	0.647	ng/ul	100
10) Acenaphthylene	14.06	152	11759	0.259	ng/ul	99
12) Fluorene	15.39	166	22484	0.570	ng/ul	99
14) Pentachlorophenol	16.73	266	4453	0.726	ng/ul	99
15) Phenanthrene	17.12	178	22538	0.368	ng/ul	99
16) Anthracene	17.22	178	28747	0.537	ng/ul	100
19) Fluoranthene	19.15	202	20749	0.336	ng/ul	99
20) Pyrene	19.51	202	26613	0.423	ng/ul	99
21) Benzo(a)anthracene	21.27	228	29294	0.514	ng/ul	99
22) Chrysene	21.32	228	32216	0.544	ng/ul	100
24) Benzo(b)fluoranthene	22.85	252	49540	0.844	ng/ul	98
25) Benzo(k)fluoranthene	22.89	252	23609	0.396	ng/ul	99
26) Benzo(a)pyrene	23.42	252	18883	0.388	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	25.78	276	11873	0.177	ng/ul#	47
28) Dibenzo(a,h)anthracene	25.78	278	49198	0.920	ng/ul	98
29) Benzo(g,h,i)perylene	26.45	276	21825	0.387	ng/ul	99

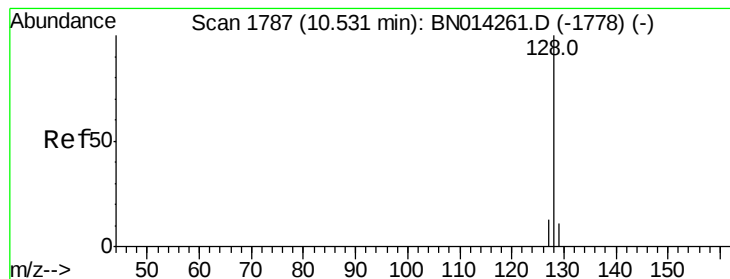
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN041221.M
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#5

Naphthalene

Concen: 0.366 ng/ul

RT: 10.53 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BN014270.D

Acq: 13 Apr 2021 14:19

Instrument :

BNA_N

ClientSampleId :

X3309

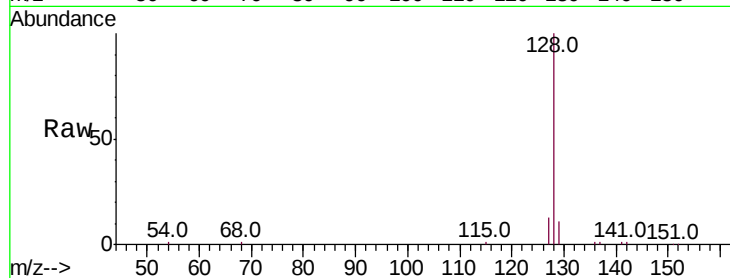
Tot Ion:128 Resp: 20690

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

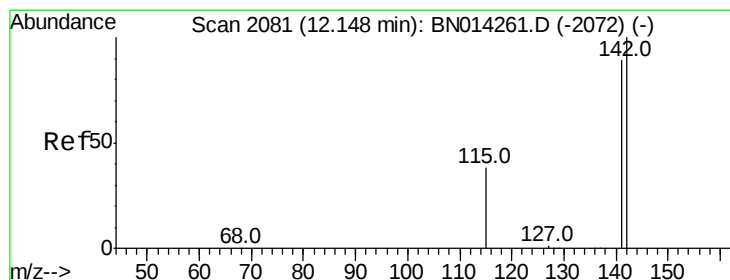
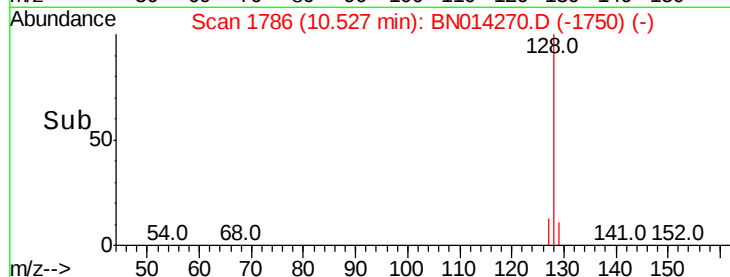
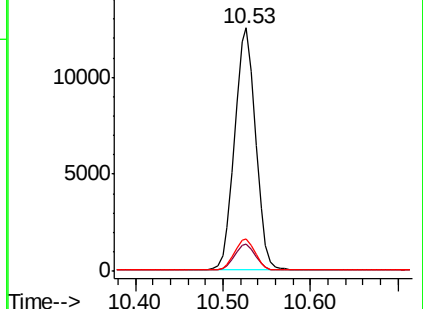
127 13.2 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 0.647 ng/ul

RT: 12.14 min Scan# 2080

Delta R.T. -0.00 min

Lab File: BN014270.D

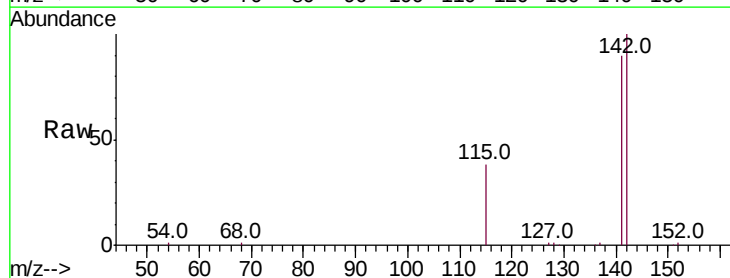
Acq: 13 Apr 2021 14:19

Tgt Ion:142 Resp: 23343

Ion Ratio Lower Upper

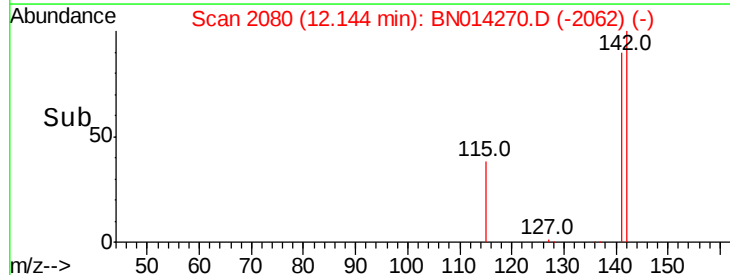
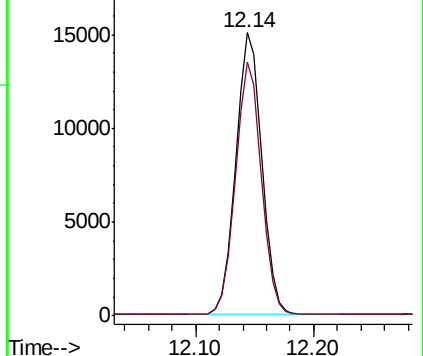
142 100

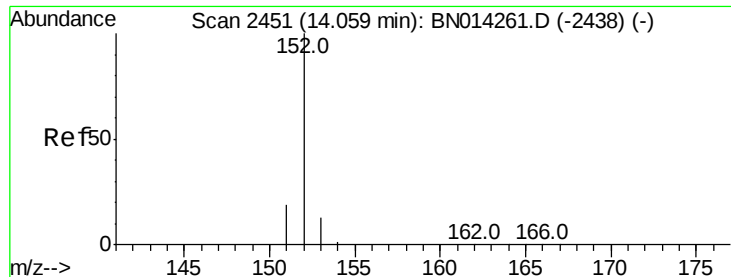
141 88.9 71.0 106.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#10

Acenaphthylene

Concen: 0.259 ng/ul

RT: 14.06 min Scan# 2450

Delta R.T. -0.00 min

Lab File: BN014270.D

Acq: 13 Apr 2021 14:19

Instrument :

BNA_N

ClientSampleId :

X3309

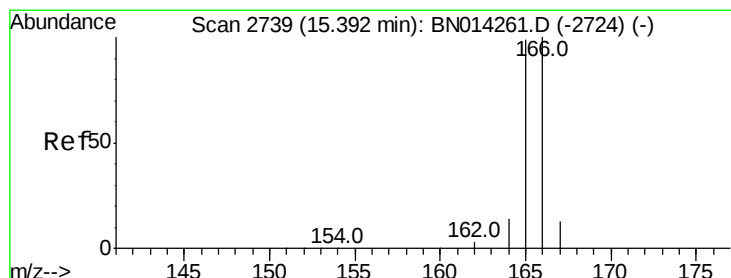
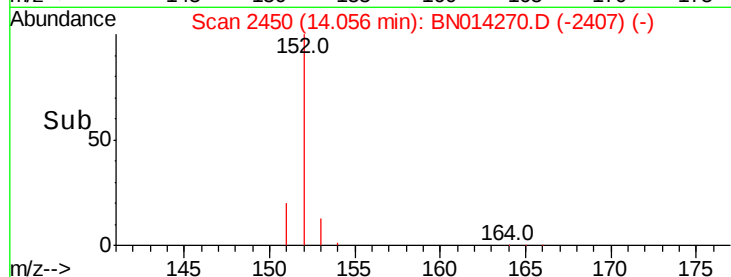
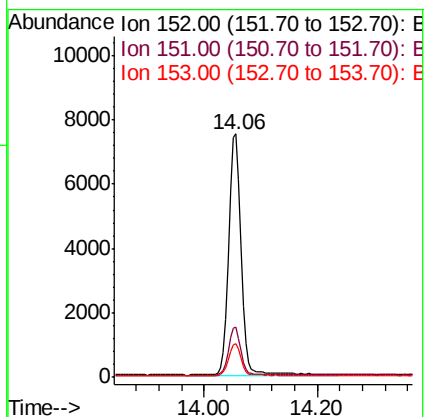
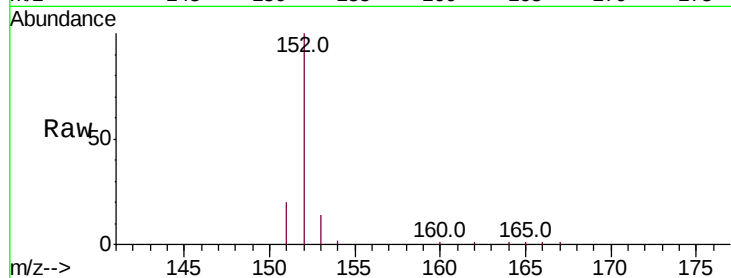
Tot Ion:152 Resp: 11759

Ion Ratio Lower Upper

152 100

151 20.4 15.9 23.9

153 13.7 11.0 16.4



#12

Fluorene

Concen: 0.570 ng/ul

RT: 15.39 min Scan# 2738

Delta R.T. -0.00 min

Lab File: BN014270.D

Acq: 13 Apr 2021 14:19

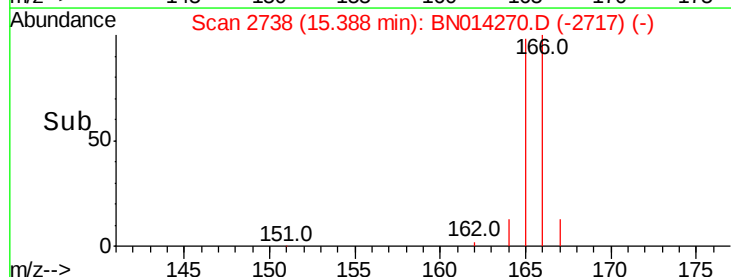
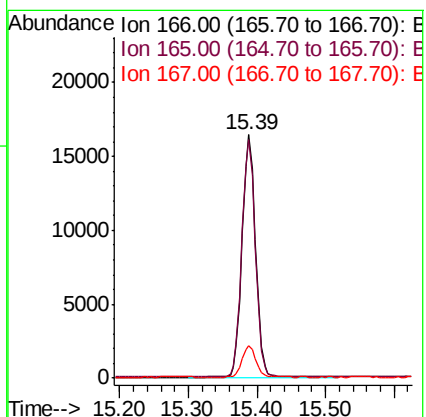
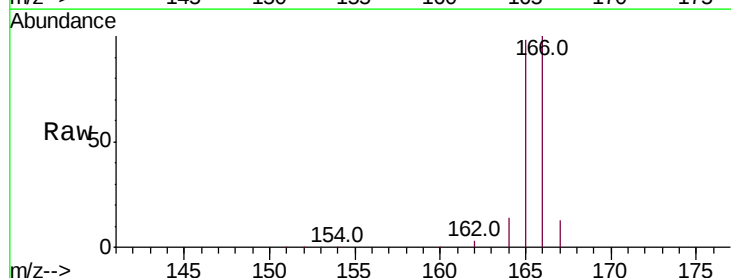
Tgt Ion:166 Resp: 22484

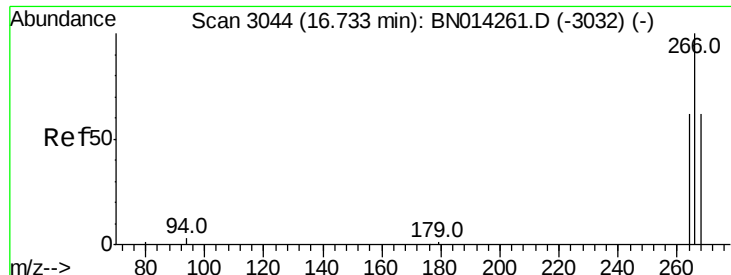
Ion Ratio Lower Upper

166 100

165 97.9 79.3 118.9

167 13.3 11.4 17.0

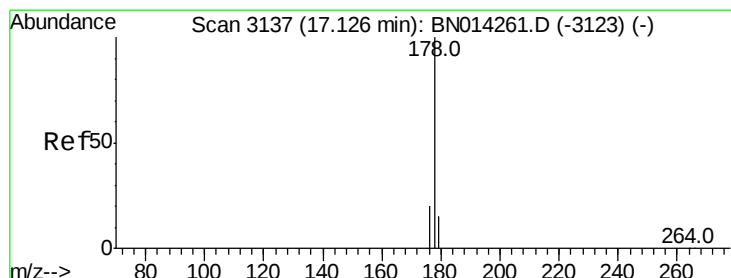
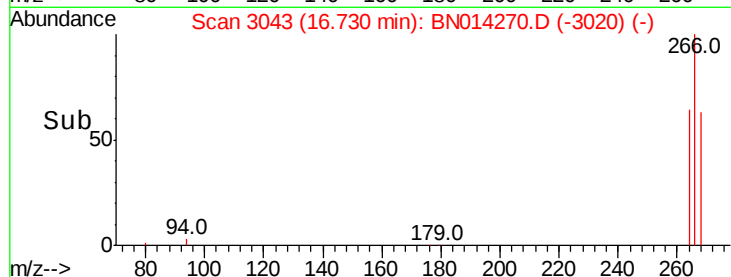
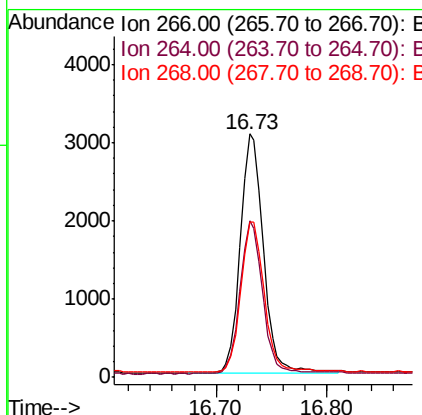
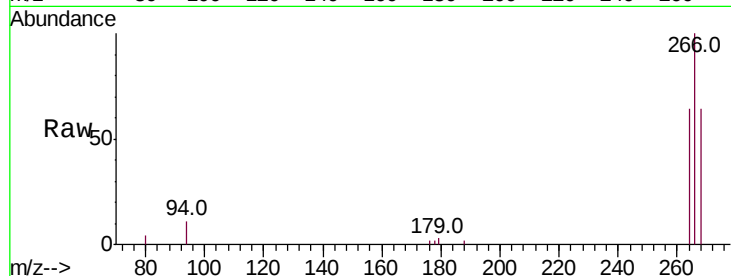




#14
 Pentachlorophenol
 Concen: 0.726 ng/ul
 RT: 16.73 min Scan# 3043
 Delta R.T. -0.00 min
 Lab File: BN014270.D
 Acq: 13 Apr 2021 14:19

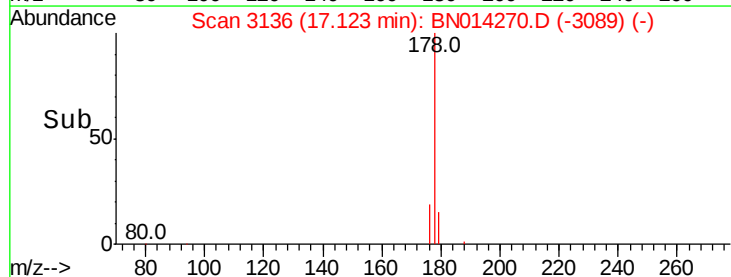
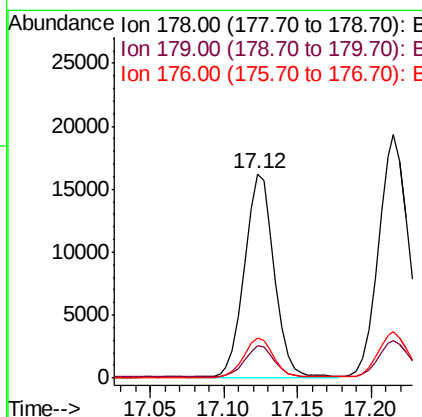
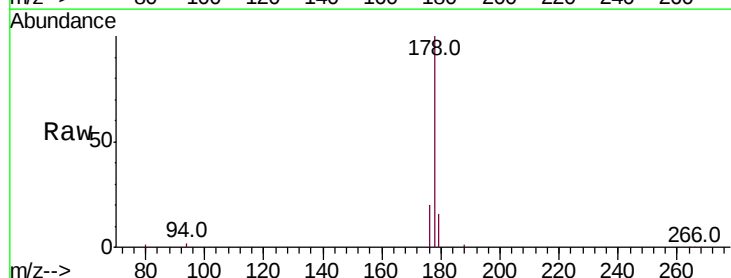
Instrument :
 BNA_N
 ClientSampleId :
 X3309

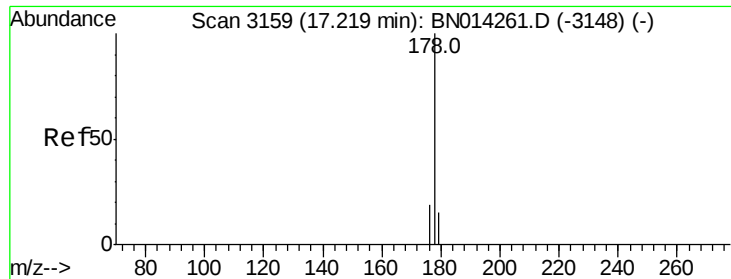
Tot Ion:266 Resp: 4453
 Ion Ratio Lower Upper
 266 100
 264 62.8 49.7 74.5
 268 64.0 51.5 77.3



#15
 Phenanthrene
 Concen: 0.368 ng/ul
 RT: 17.12 min Scan# 3136
 Delta R.T. -0.00 min
 Lab File: BN014270.D
 Acq: 13 Apr 2021 14:19

Tgt Ion:178 Resp: 22538
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.4 18.6
 176 19.6 15.9 23.9





#16

Anthracene

Concen: 0.537 ng/ul

RT: 17.22 min Scan# 3158

Delta R.T. -0.00 min

Lab File: BN014270.D

Acq: 13 Apr 2021 14:19

Instrument :

BNA_N

ClientSampleId :

X3309

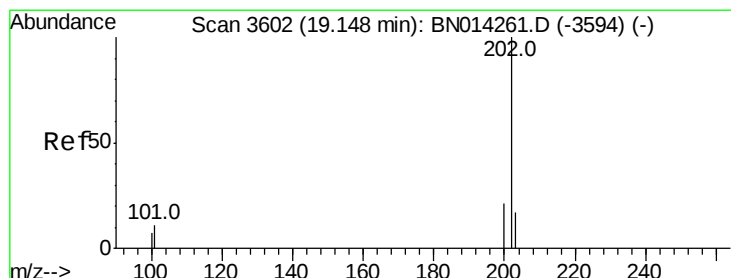
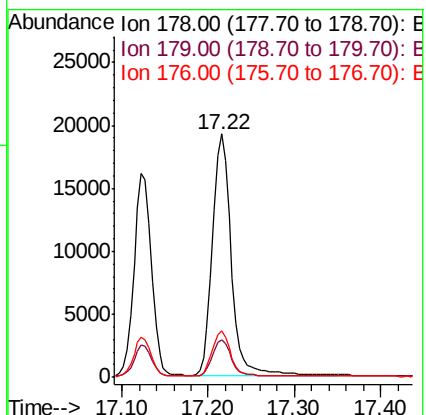
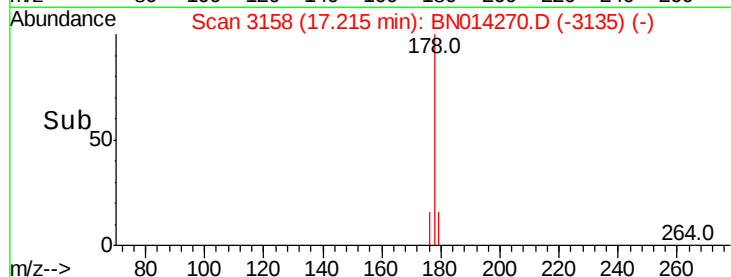
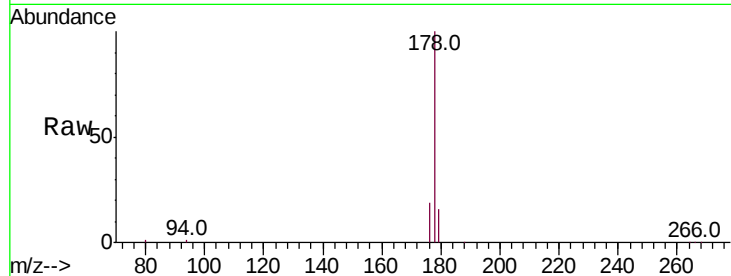
Tot Ion:178 Resp: 28747

Ion Ratio Lower Upper

178 100

179 15.7 12.6 19.0

176 19.0 15.2 22.8



#19

Fluoranthene

Concen: 0.336 ng/ul

RT: 19.15 min Scan# 3602

Delta R.T. 0.00 min

Lab File: BN014270.D

Acq: 13 Apr 2021 14:19

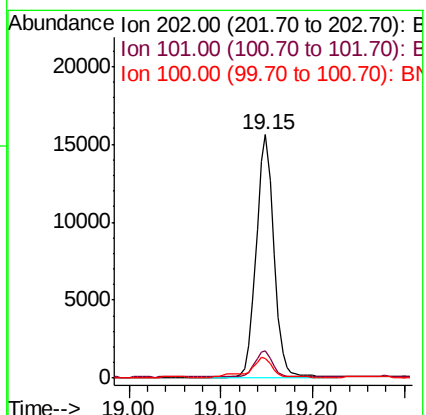
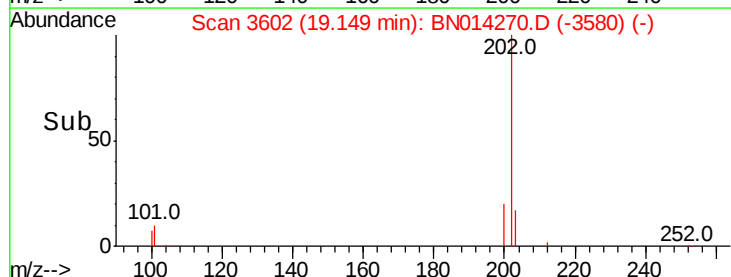
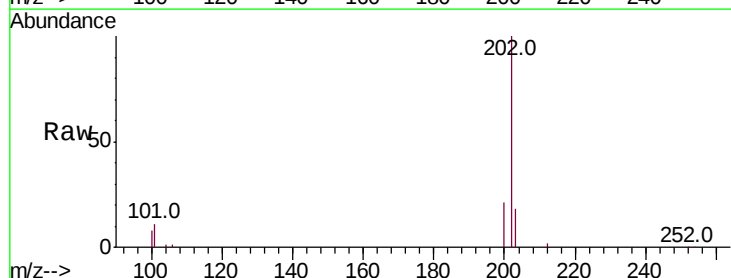
Tgt Ion:202 Resp: 20749

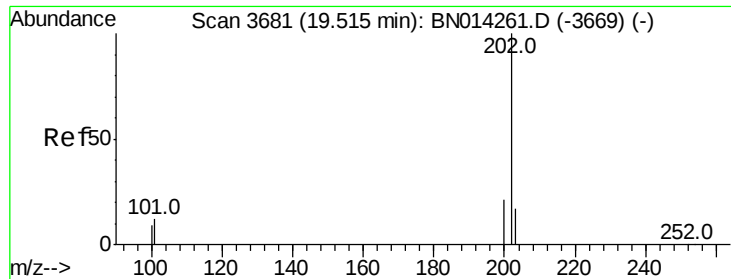
Ion Ratio Lower Upper

202 100

101 10.9 9.0 13.6

100 8.1 6.8 10.2





#20

Pvrene

Concen: 0.423 ng/ul

RT: 19.51 min Scan# 3680

Delta R.T. -0.00 min

Lab File: BN014270.D

Acq: 13 Apr 2021 14:19

Instrument :

BNA_N

ClientSampleId :

X3309

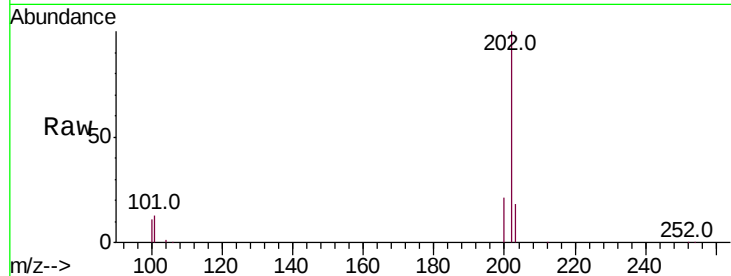
Tot Ion:202 Resp: 26613

Ion Ratio Lower Upper

202 100

101 12.8 9.9 14.9

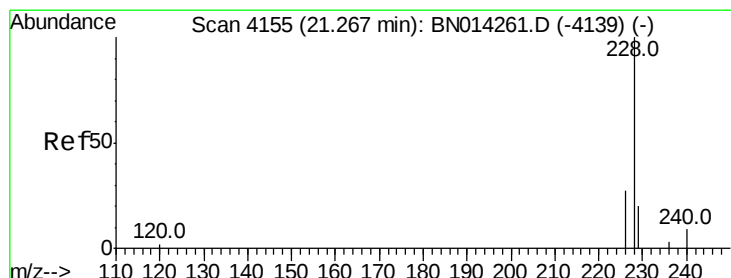
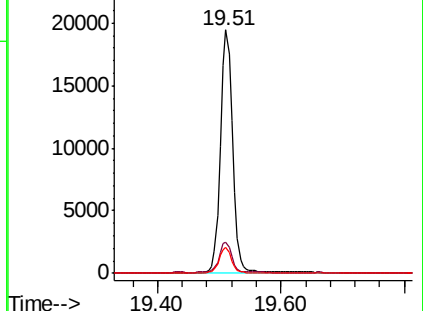
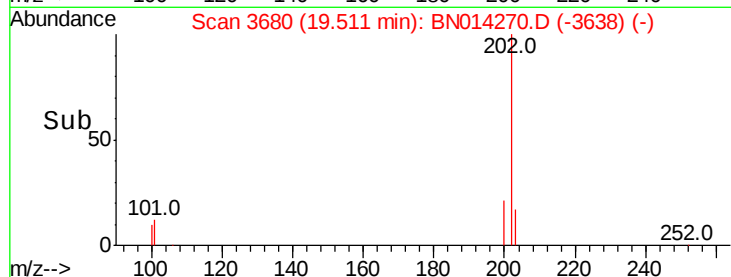
100 10.5 7.8 11.8



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: 0.514 ng/ul

RT: 21.27 min Scan# 4155

Delta R.T. 0.00 min

Lab File: BN014270.D

Acq: 13 Apr 2021 14:19

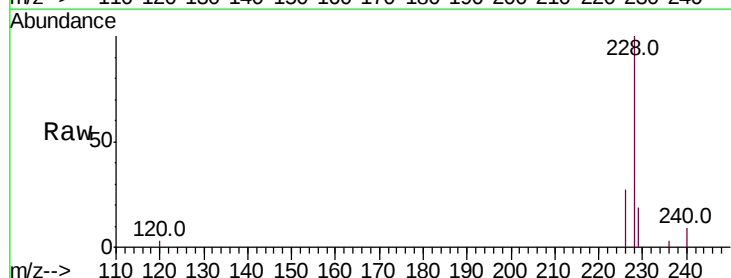
Tgt Ion:228 Resp: 29294

Ion Ratio Lower Upper

228 100

229 19.4 16.1 24.1

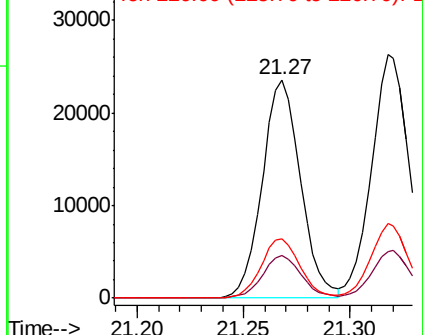
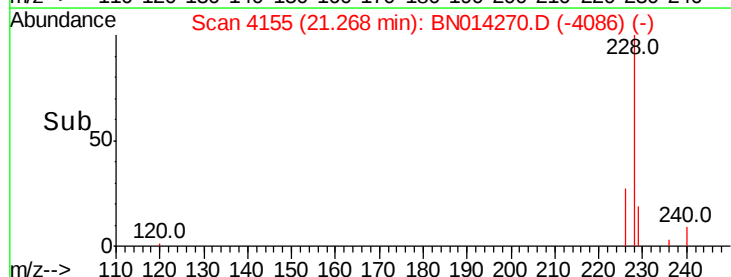
226 27.2 22.2 33.2

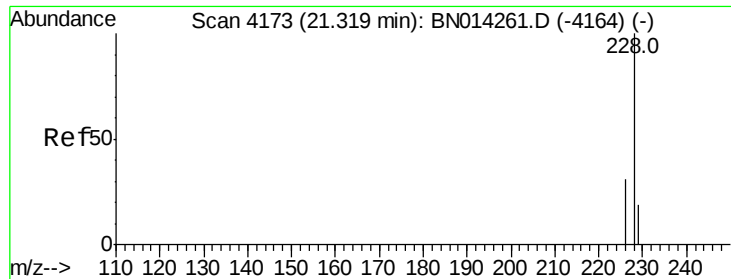


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#22

Chrysene

Concen: 0.544 ng/ul

RT: 21.32 min Scan# 4172

Delta R.T. -0.00 min

Lab File: BN014270.D

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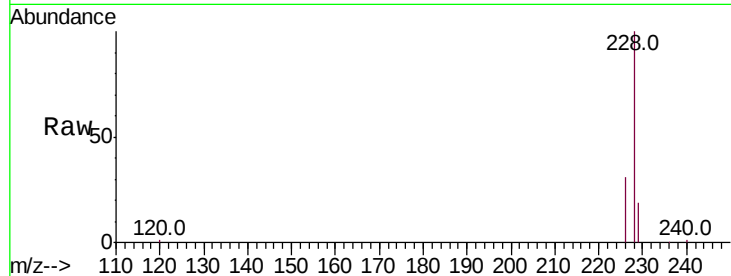
Tot Ion:228 Resp: 32216

Ion Ratio Lower Upper

228 100

226 30.9 24.7 37.1

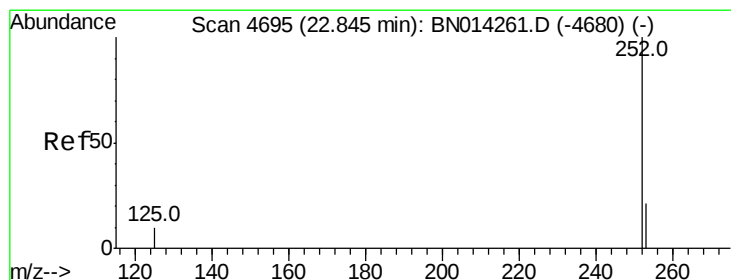
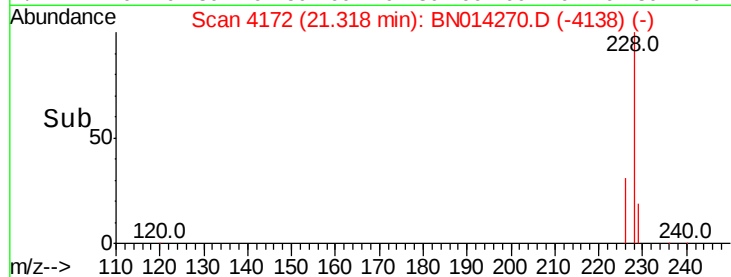
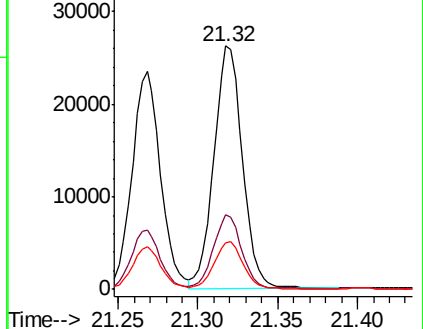
229 19.4 15.8 23.6



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: 0.844 ng/ul

RT: 22.85 min Scan# 4695

Delta R.T. 0.00 min

Lab File: BN014270.D

Acq: 13 Apr 2021 14:19

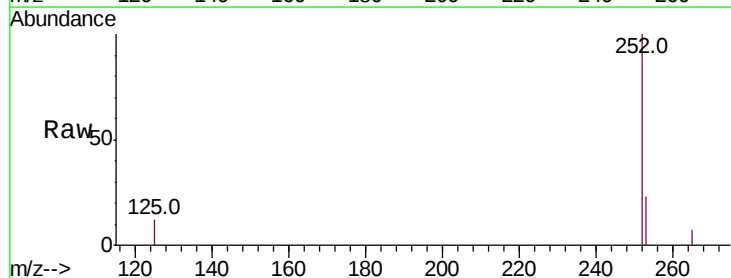
Tgt Ion:252 Resp: 49540

Ion Ratio Lower Upper

252 100

253 22.7 0.0 47.4

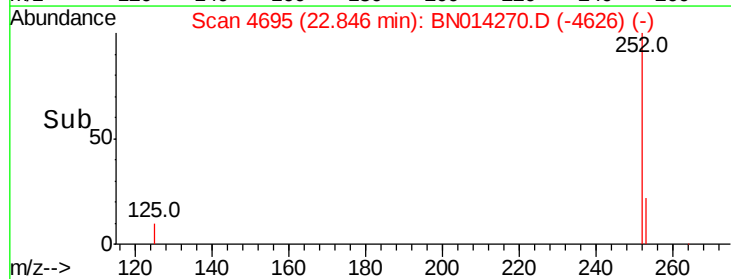
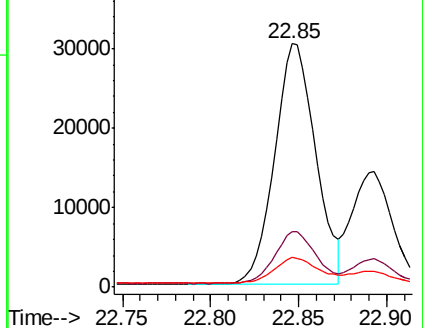
125 12.0 0.0 26.4

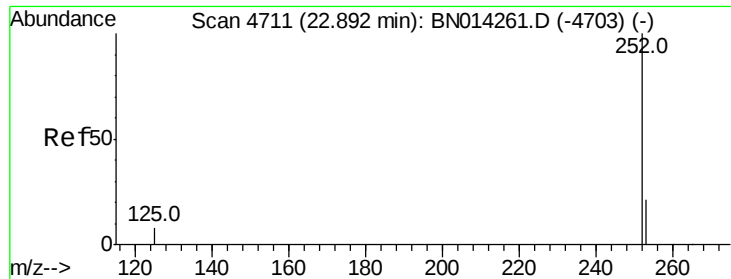


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 0.396 ng/ul

RT: 22.89 min Scan# 4711

Delta R.T. 0.00 min

Lab File: BN014270.D

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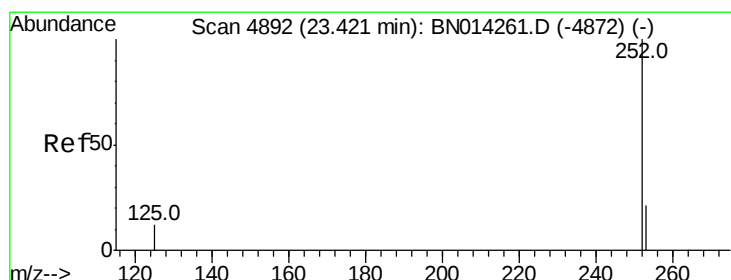
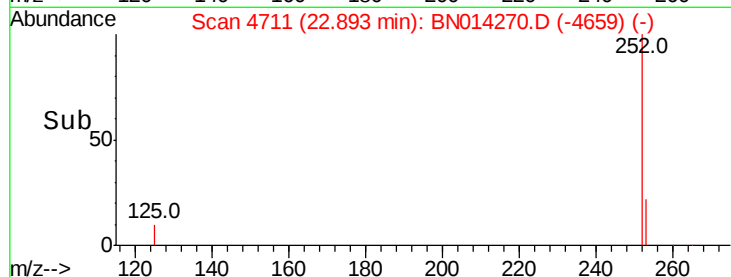
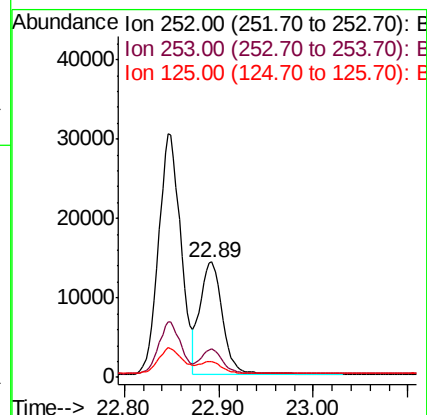
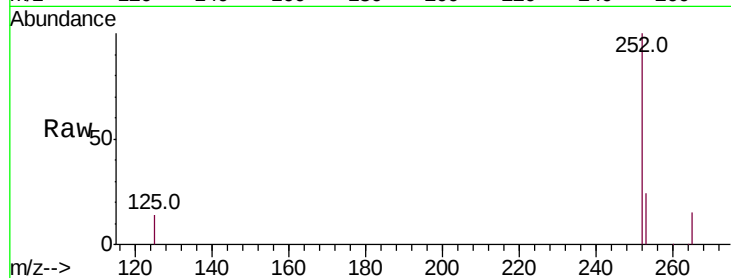
Tot Ion:252 Resp: 23609

Ion Ratio Lower Upper

252 100

253 24.4 19.2 28.8

125 13.6 10.5 15.7



#26

Benzo(a)pyrene

Concen: 0.388 ng/ul

RT: 23.42 min Scan# 4891

Delta R.T. -0.00 min

Lab File: BN014270.D

Acq: 13 Apr 2021 14:19

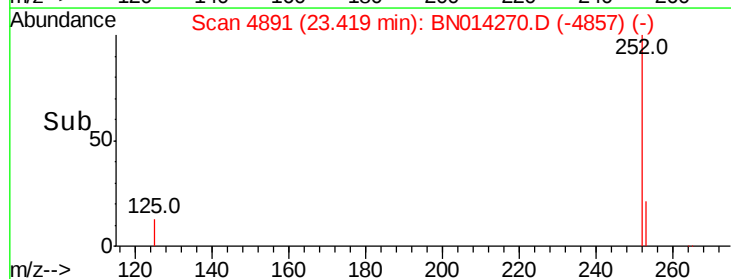
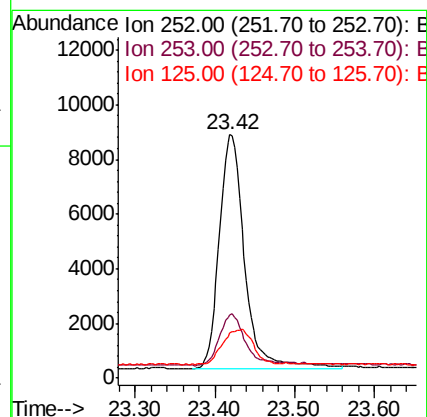
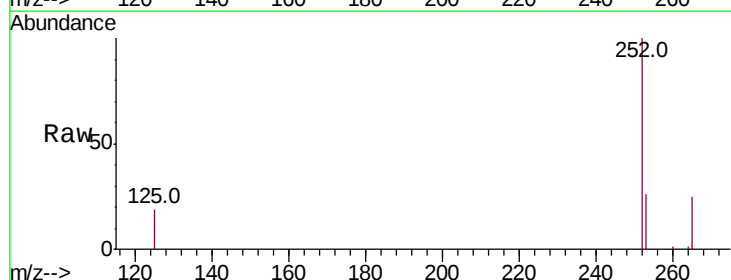
Tgt Ion:252 Resp: 18883

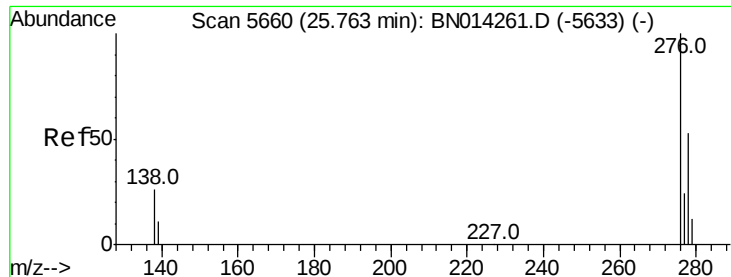
Ion Ratio Lower Upper

252 100

253 25.9 20.1 30.1

125 18.5 13.1 19.7

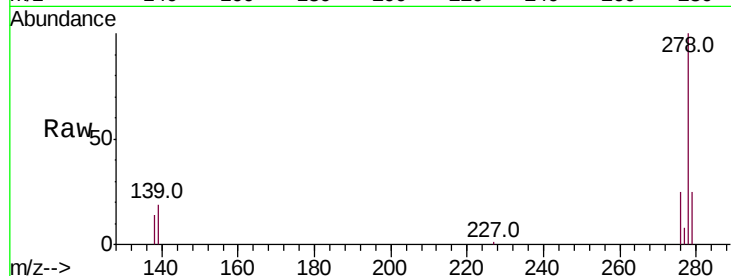




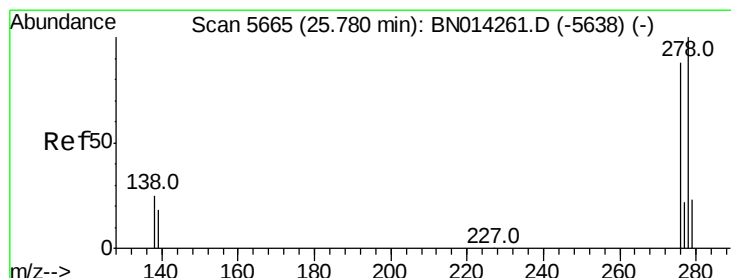
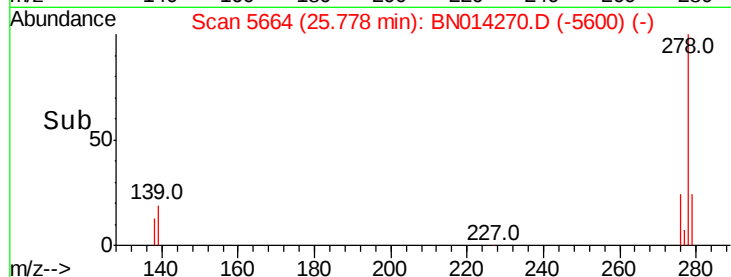
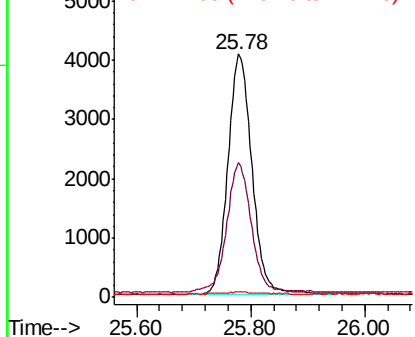
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.177 ng/ul
 RT: 25.78 min Scan# 5664
 Delta R.T. 0.01 min
 Lab File: BN014270.D
 Acq: 13 Apr 2021 14:19

Instrument :
 BNA_N
 ClientSampleId :
 X3309

Tot Ion:276 Resp: 11873
 Ion Ratio Lower Upper
 276 100
 138 55.5 21.9 32.9#
 227 0.8 0.2 0.4#

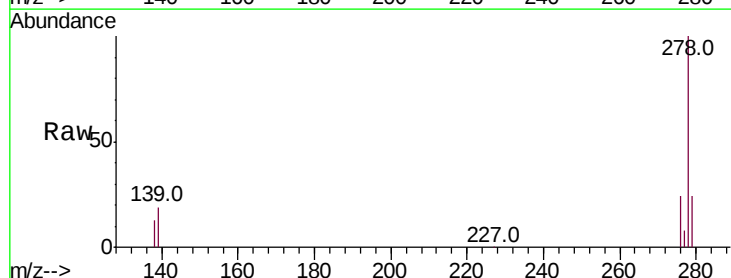


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

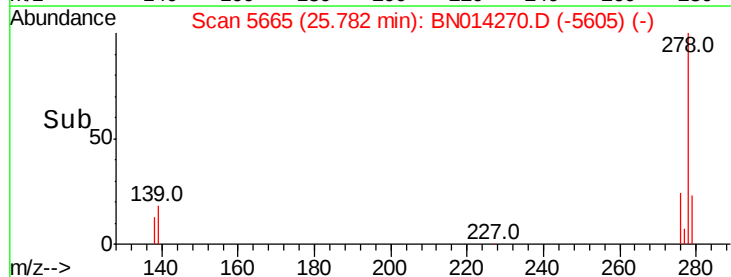
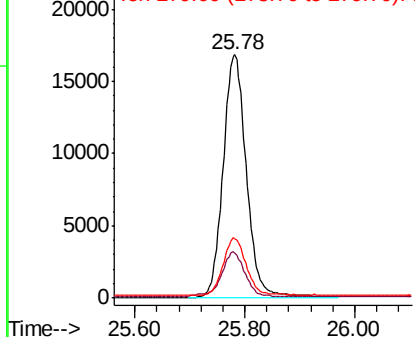


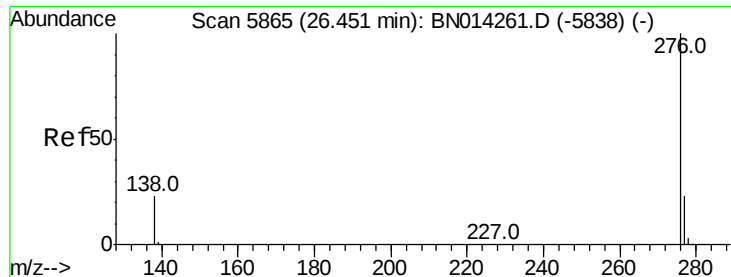
#28
 Dibenzo(a,h)anthracene
 Concen: 0.920 ng/ul
 RT: 25.78 min Scan# 5665
 Delta R.T. 0.00 min
 Lab File: BN014270.D
 Acq: 13 Apr 2021 14:19

Tgt Ion:278 Resp: 49198
 Ion Ratio Lower Upper
 278 100
 139 18.8 15.7 23.5
 279 24.2 20.1 30.1



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(a,h,i)perylene

Concen: 0.387 ng/ul

RT: 26.45 min Scan# 5864

Delta R.T. -0.00 min

Lab File: BN014270.D

Acq: 13 Apr 2021 14:19

Instrument :

BNA_N

ClientSampleId :

X3309

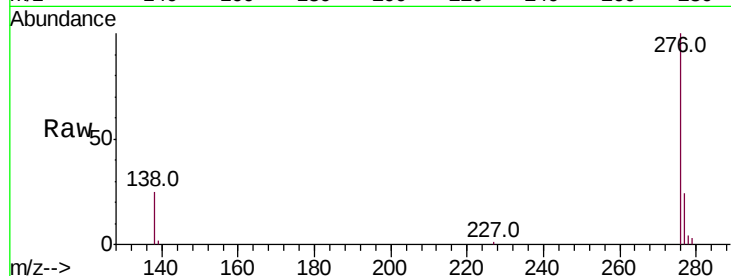
Tot Ion:276 Resp: 21825

Ion Ratio Lower Upper

276 100

138 25.0 19.7 29.5

277 24.2 19.2 28.8



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

