

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009247.D
 Acq On : 29 Dec 2019 02:28
 Operator : JU
 Sample : K6278-04DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 29 05:42:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Dec 29 04:38:59 2019
 Response via : Initial Calibration

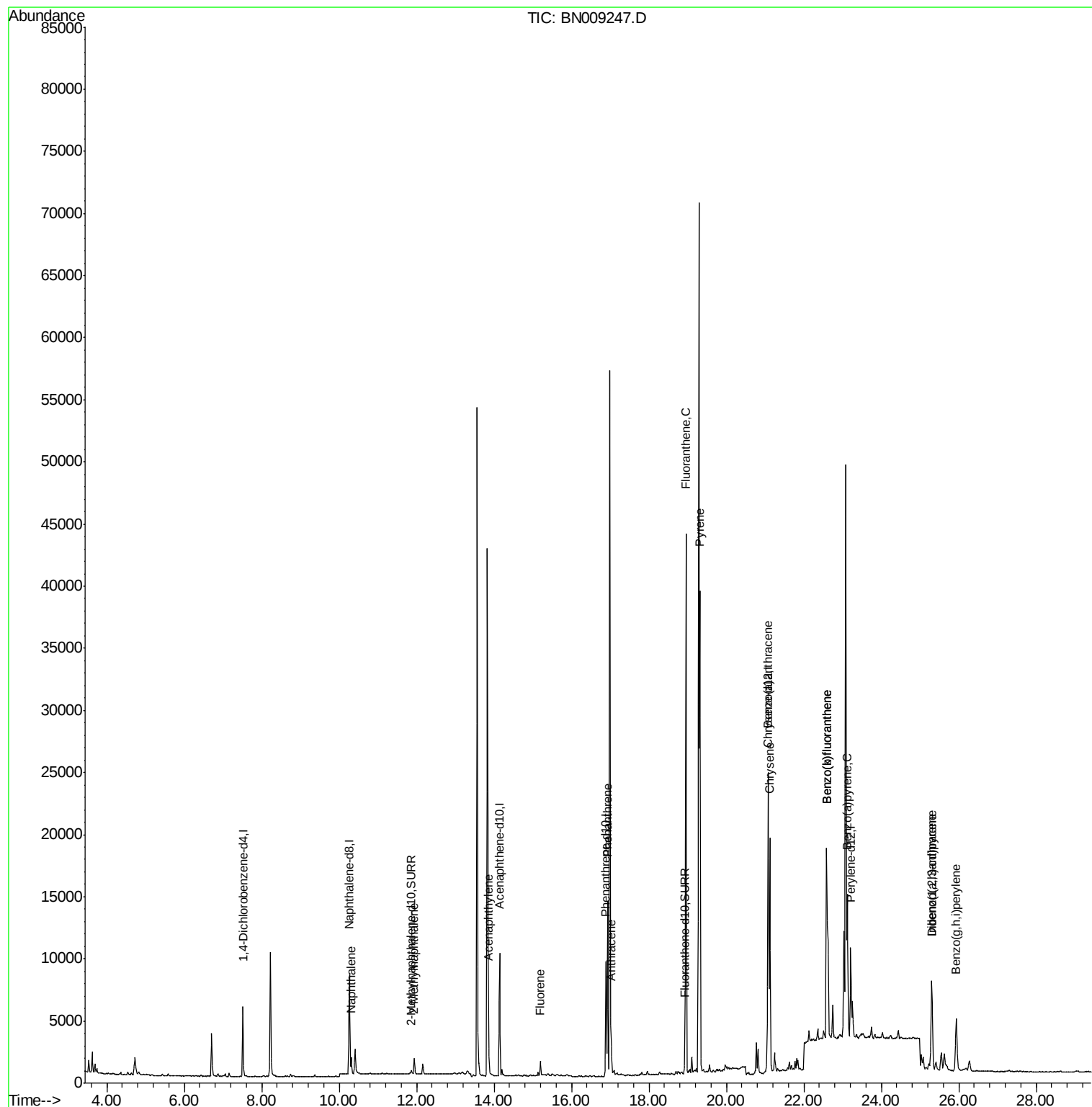
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2771	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	9950	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	5191	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	10348	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	8152	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	8386	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	424	0.02	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	833	0.03	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	1723	0.057	ng/ul#	91
5) 2-Methylnaphthalene	11.93	142	1021	0.045	ng/ul	99
7) Acenaphthylene	13.86	152	2712	0.099	ng/ul#	94
9) Fluorene	15.19	166	772	0.031	ng/ul#	93
12) Phenanthrene	16.93	178	14481	0.402	ng/ul	99
13) Anthracene	17.02	178	3370	0.104	ng/ul	95
15) Fluoranthene	18.95	202	37727	0.917	ng/ul	99
17) Pyrene	19.32	202	31893	0.767	ng/ul	99
18) Benzo(a)anthracene	21.07	228	18017	0.498	ng/ul	97
19) Chrysene	21.12	228	18726	0.515	ng/ul	97
21) Benzo(b)fluoranthene	22.58	252	32367	0.827	ng/ul	98
22) Benzo(k)fluoranthene	22.58	252	32367	0.820	ng/ul	98
23) Benzo(a)pyrene	23.12	252	14401	0.420	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.30	276	10401	0.278	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.31	278	2735	0.092	ng/ul#	68
26) Benzo(a,h,i)perylene	25.93	276	8057	0.256	ng/ul	96

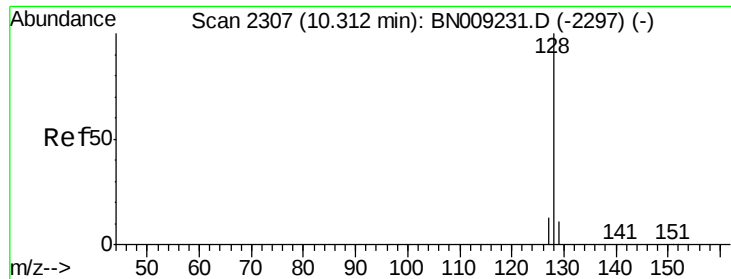
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.057 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. -0.00 min

Lab File: BN009247.D

Acq: 29 Dec 2019 02:28

Instrument :

BNA_N

ClientSampleId :

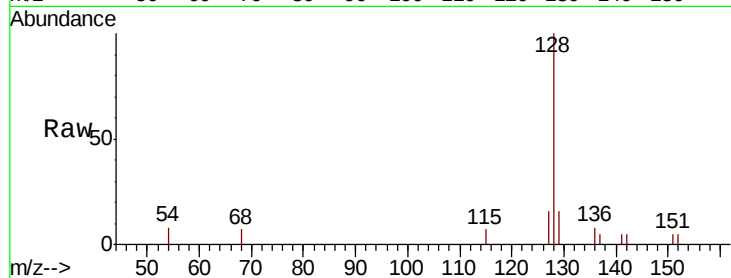
Tot Ion:128 Resp: 1723

Ion Ratio Lower Upper

128 100

129 15.5 9.0 13.4#

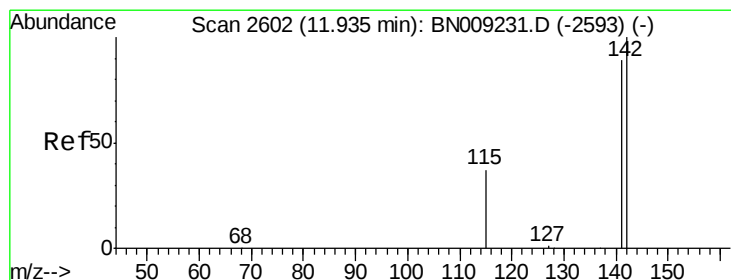
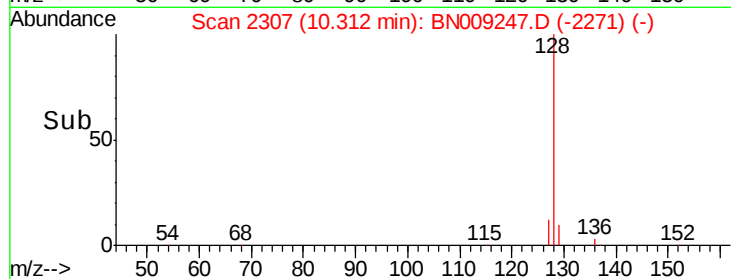
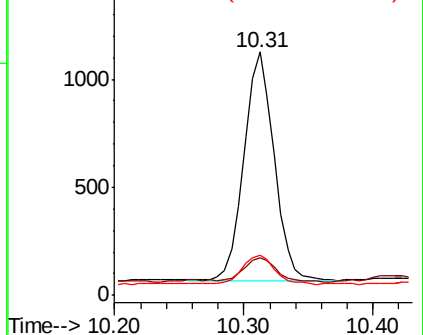
127 16.2 10.9 16.3



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



#5

2-Methylnaphthalene

Concen: 0.045 ng/ul

RT: 11.93 min Scan# 2602

Delta R.T. -0.00 min

Lab File: BN009247.D

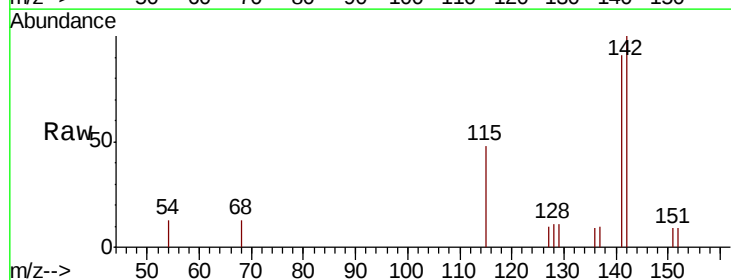
Acq: 29 Dec 2019 02:28

Tgt Ion:142 Resp: 1021

Ion Ratio Lower Upper

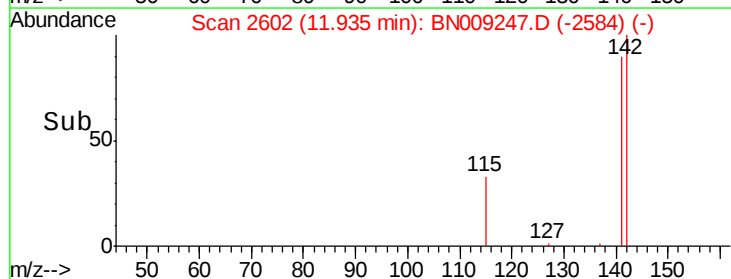
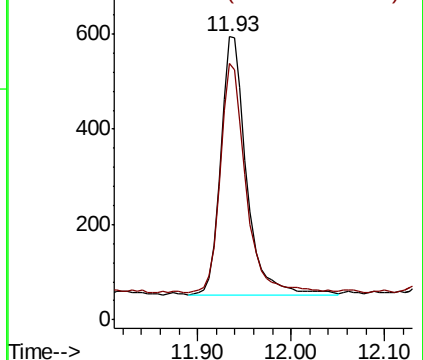
142 100

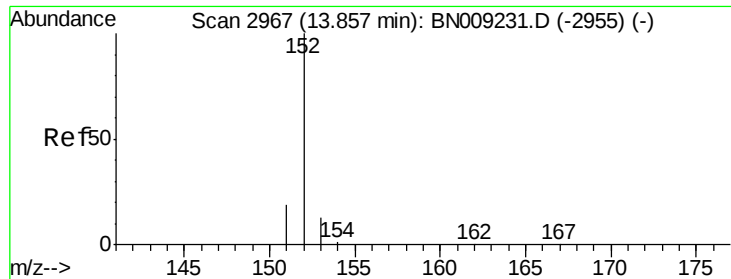
141 88.5 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.099 ng/ul

RT: 13.86 min Scan# 2967

Delta R.T. -0.00 min

Lab File: BN009247.D

Acq: 29 Dec 2019 02:28

Instrument :

BNA_N

ClientSampleId :

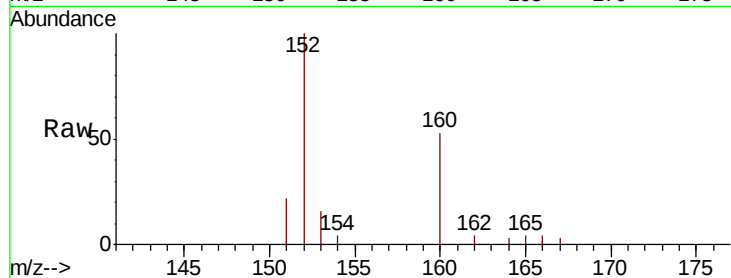
Tot Ion:152 Resp: 2712

Ion Ratio Lower Upper

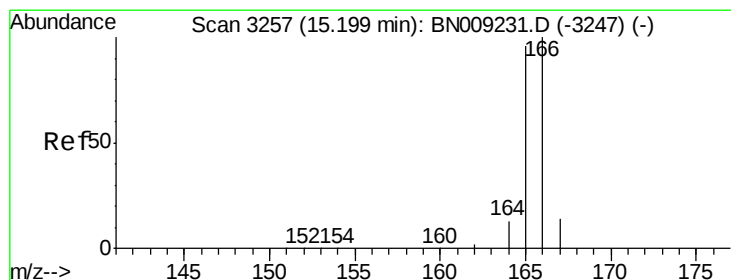
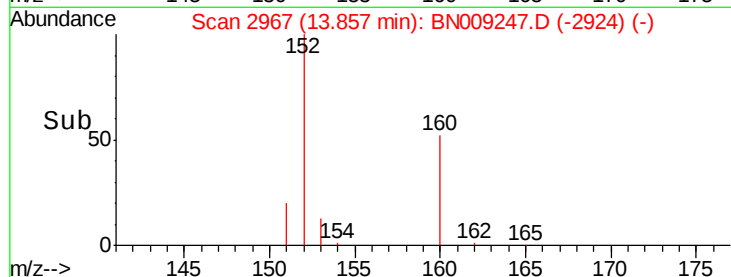
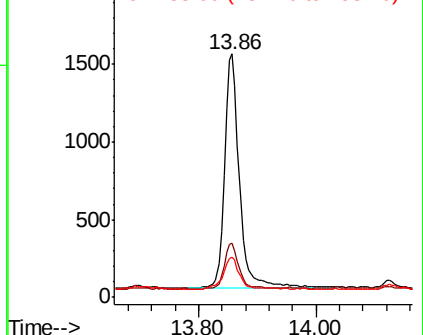
152 100

151 22.2 15.7 23.5

153 16.3 10.8 16.2#



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



#9

Fluorene

Concen: 0.031 ng/ul

RT: 15.19 min Scan# 3256

Delta R.T. -0.00 min

Lab File: BN009247.D

Acq: 29 Dec 2019 02:28

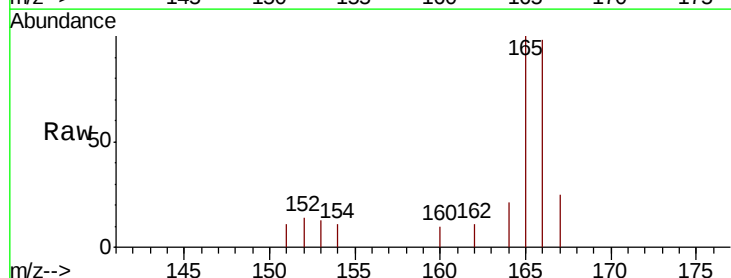
Tgt Ion:166 Resp: 772

Ion Ratio Lower Upper

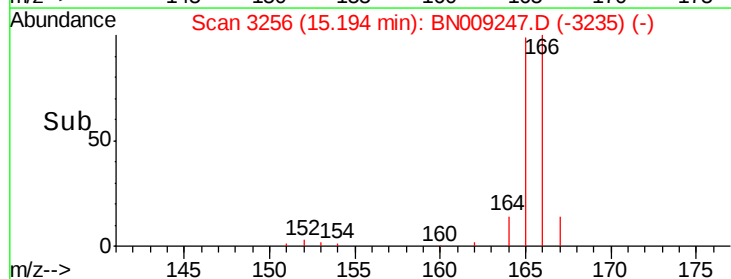
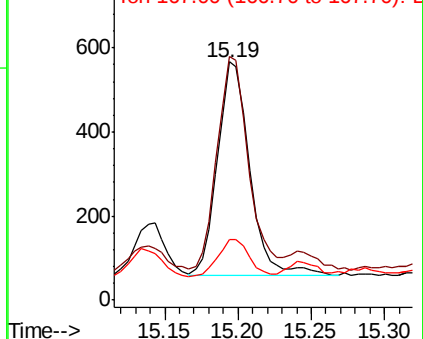
166 100

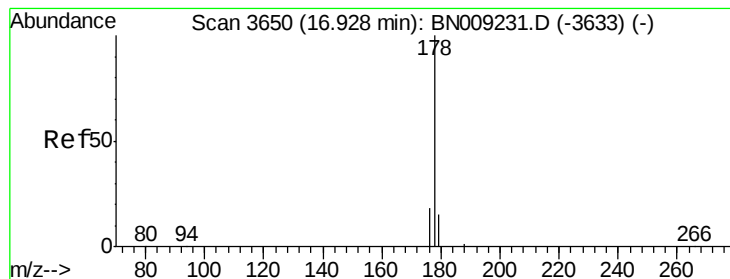
165 102.1 78.2 117.4

167 25.6 11.0 16.6#



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





#12

Phenanthrene

Concen: 0.402 ng/ul

RT: 16.93 min Scan# 3650

Delta R.T. -0.00 min

Lab File: BN009247.D

Acq: 29 Dec 2019 02:28

Instrument :

BNA_N

ClientSampleId :

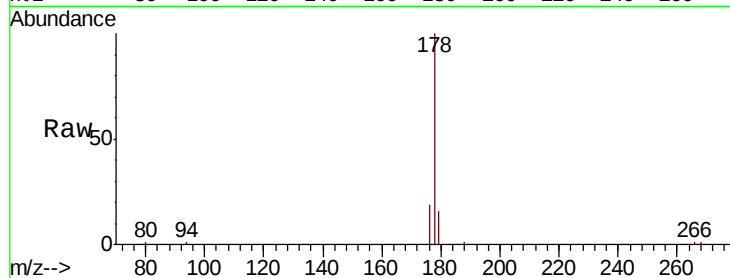
Tot Ion:178 Resp: 14481

Ion Ratio Lower Upper

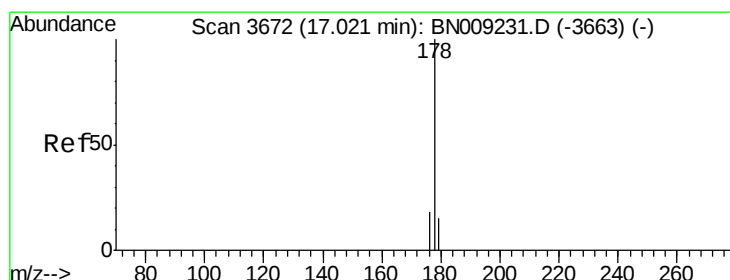
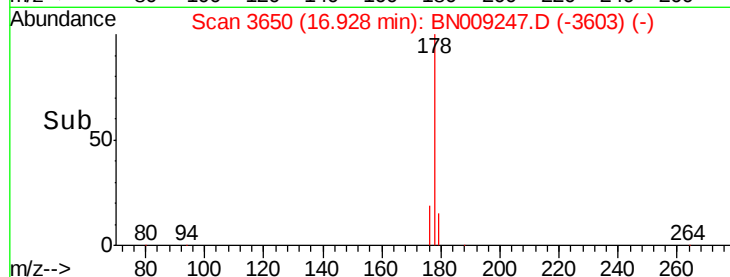
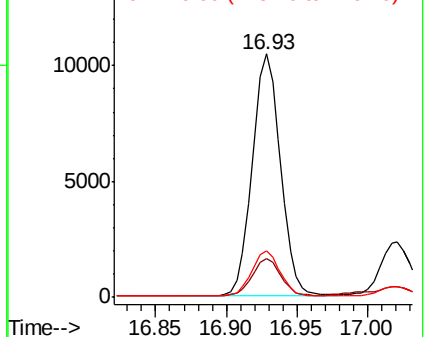
178 100

179 16.1 12.3 18.5

176 19.1 15.1 22.7



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



#13

Anthracene

Concen: 0.104 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. -0.00 min

Lab File: BN009247.D

Acq: 29 Dec 2019 02:28

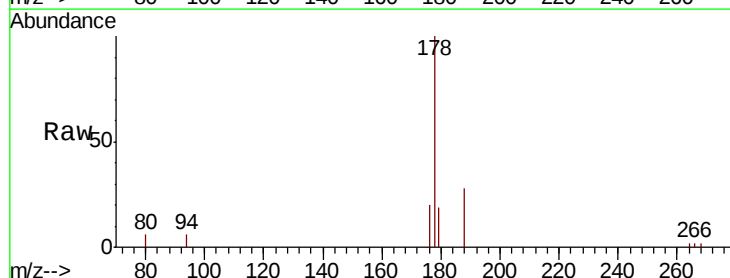
Tgt Ion:178 Resp: 3370

Ion Ratio Lower Upper

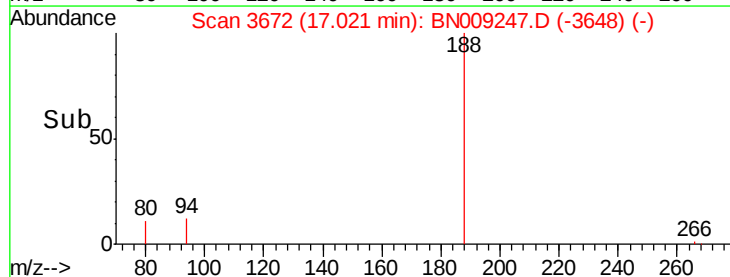
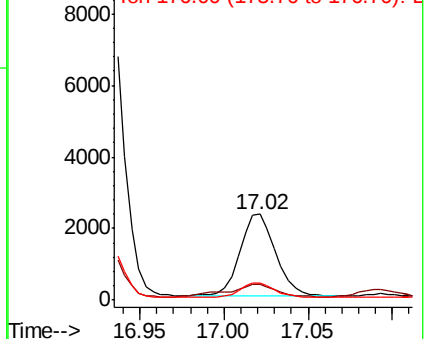
178 100

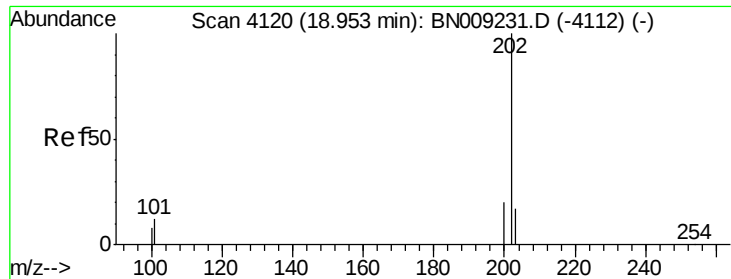
179 18.7 12.5 18.7

176 20.1 14.9 22.3



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





#15

Fluoranthene

Concen: 0.917 ng/ul

RT: 18.95 min Scan# 4120

Delta R.T. -0.00 min

Lab File: BN009247.D

Acq: 29 Dec 2019 02:28

Instrument :

BNA_N

ClientSampleId :

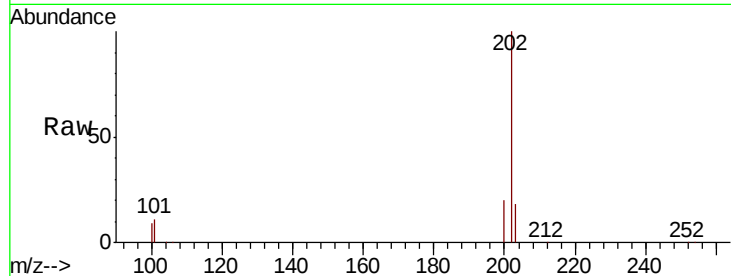
Tot Ion:202 Resp: 37727

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.5

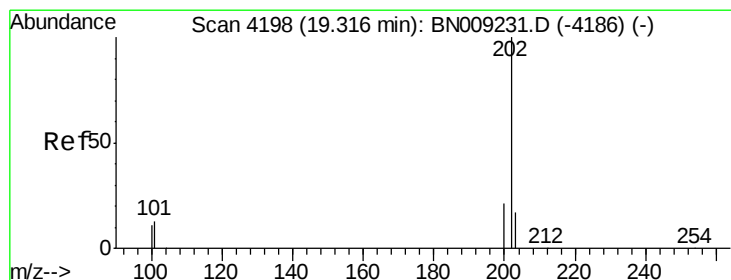
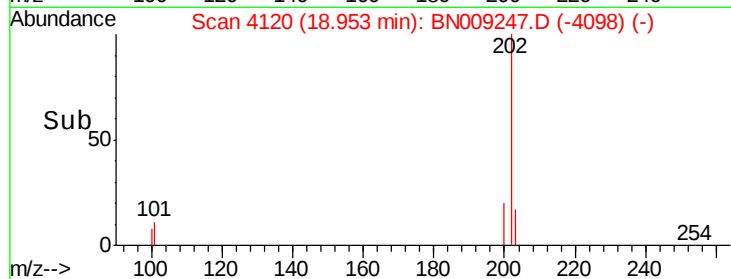
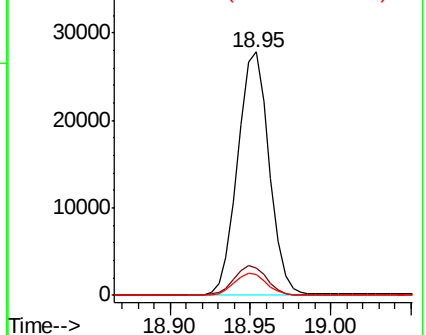
100 8.6 0.0 28.9



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



#17

Pyrene

Concen: 0.767 ng/ul

RT: 19.32 min Scan# 4198

Delta R.T. -0.00 min

Lab File: BN009247.D

Acq: 29 Dec 2019 02:28

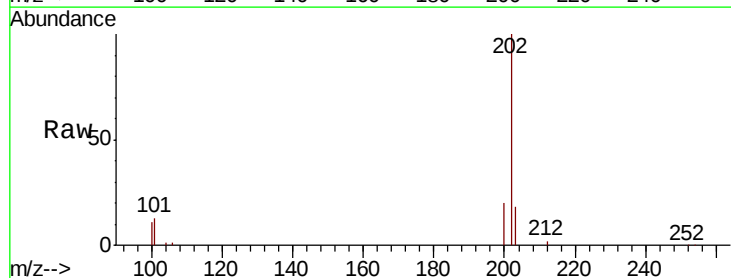
Tgt Ion:202 Resp: 31893

Ion Ratio Lower Upper

202 100

101 13.5 10.9 16.3

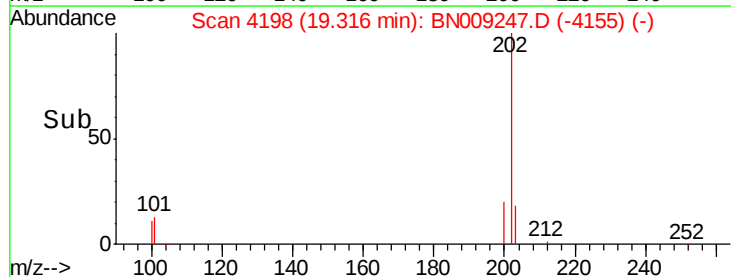
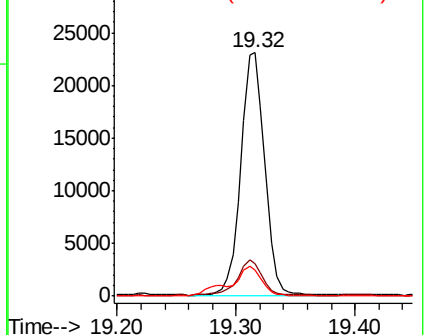
100 10.8 9.0 13.6

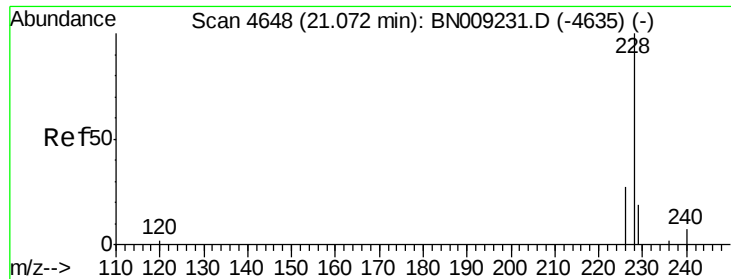


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.498 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.00 min

Lab File: BN009247.D

Acq: 29 Dec 2019 02:28

Instrument :

BNA_N

ClientSampleId :

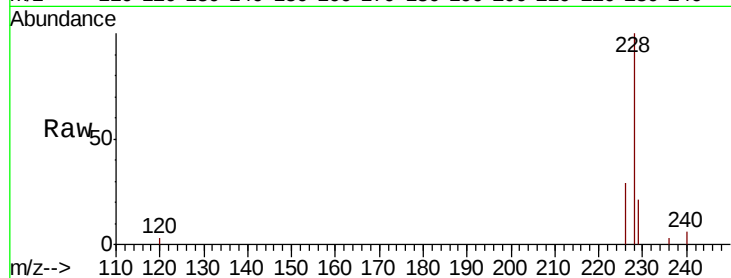
Tot Ion:228 Resp: 18017

Ion Ratio Lower Upper

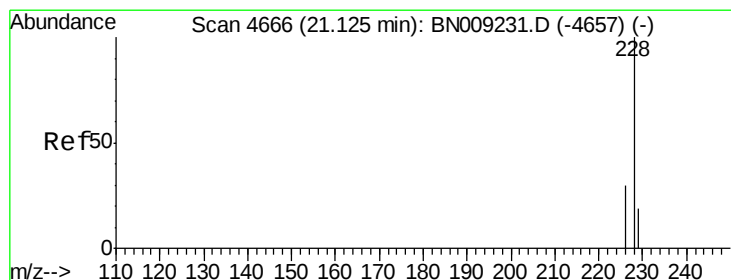
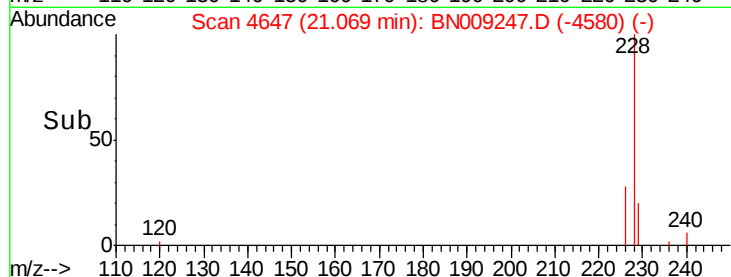
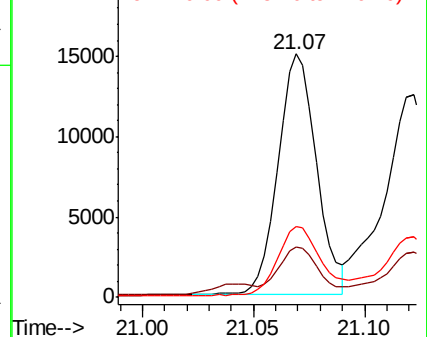
228 100

229 20.6 15.5 23.3

226 29.2 21.7 32.5



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



#19

Chrysene

Concen: 0.515 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. -0.00 min

Lab File: BN009247.D

Acq: 29 Dec 2019 02:28

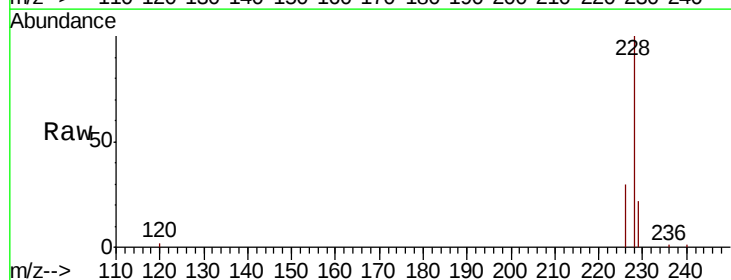
Tgt Ion:228 Resp: 18726

Ion Ratio Lower Upper

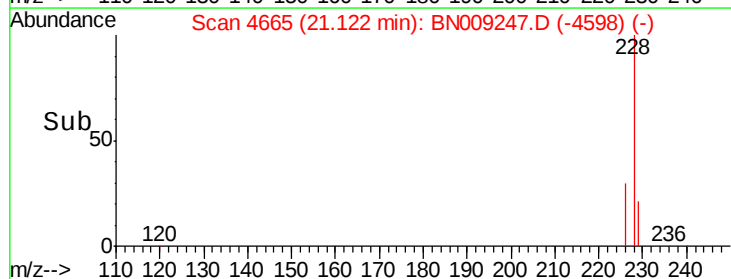
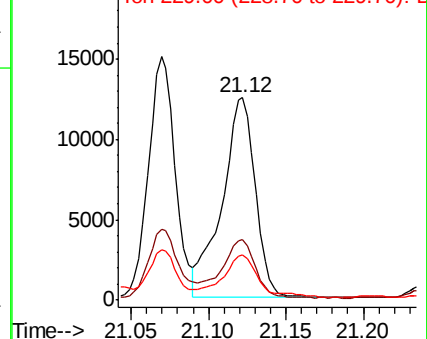
228 100

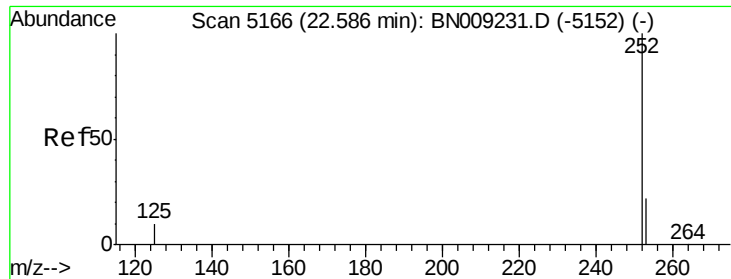
226 30.2 23.7 35.5

229 22.3 15.4 23.0



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





#21

Benzo(b)fluoranthene

Concen: 0.827 ng/ul

RT: 22.58 min Scan# 5165

Delta R.T. -0.00 min

Lab File: BN009247.D

Acq: 29 Dec 2019 02:28

Instrument :

BNA_N

ClientSampleId :

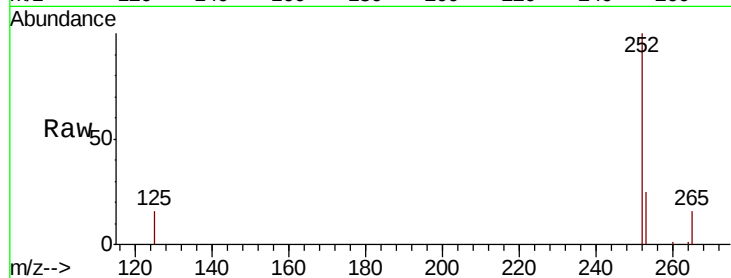
Tot Ion:252 Resp: 32367

Ion Ratio Lower Upper

252 100

253 25.5 0.0 48.2

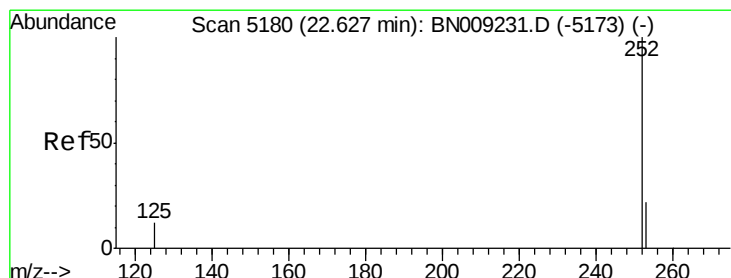
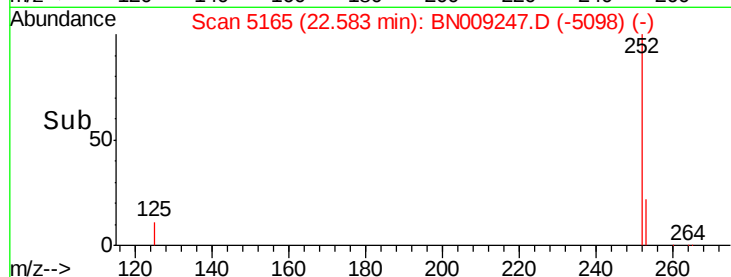
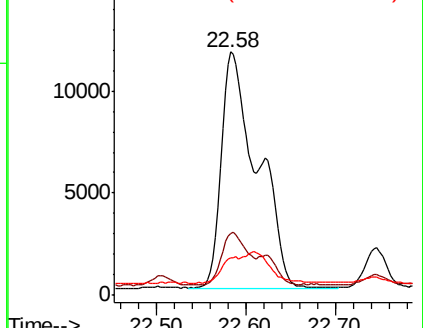
125 15.6 0.0 30.0



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



#22

Benzo(k)fluoranthene

Concen: 0.820 ng/ul

RT: 22.58 min Scan# 5165

Delta R.T. -0.04 min

Lab File: BN009247.D

Acq: 29 Dec 2019 02:28

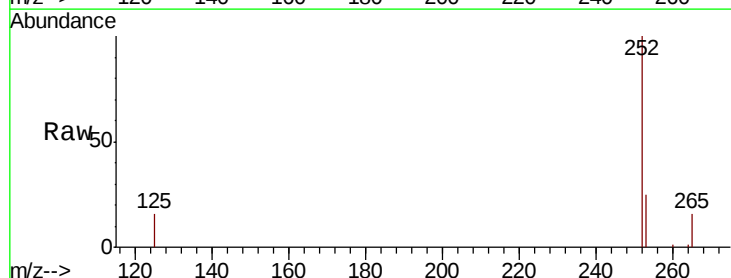
Tgt Ion:252 Resp: 32367

Ion Ratio Lower Upper

252 100

253 25.5 19.4 29.0

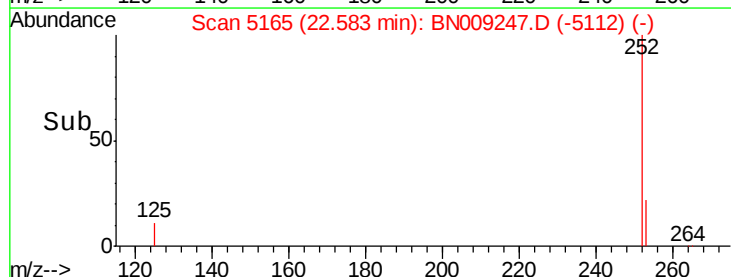
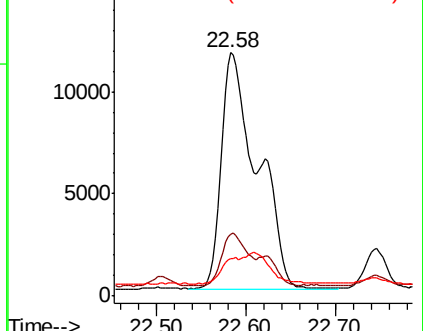
125 15.6 12.4 18.6

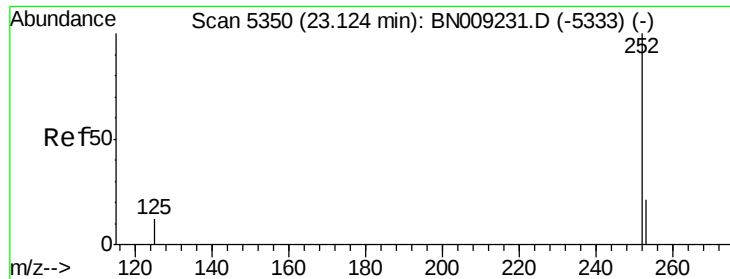


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.420 ng/ul

RT: 23.12 min Scan# 5348

Delta R.T. -0.01 min

Lab File: BN009247.D

Acq: 29 Dec 2019 02:28

Instrument :

BNA_N

ClientSampleId :

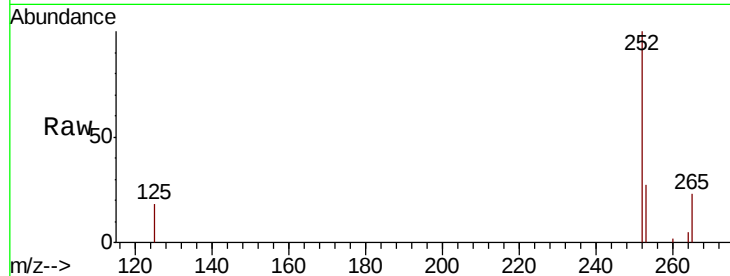
Tot Ion:252 Resp: 14401

Ion Ratio Lower Upper

252 100

253 27.1 20.2 30.4

125 18.0 13.2 19.8

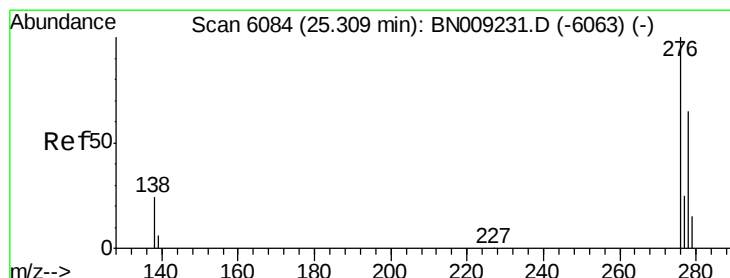
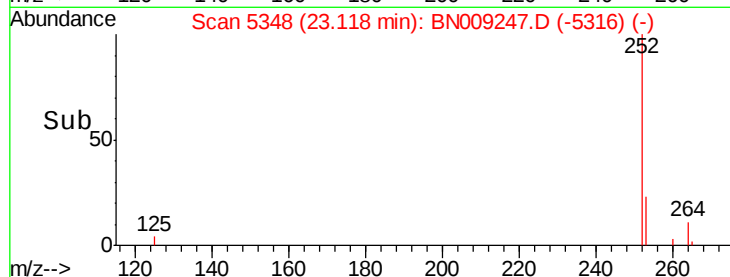
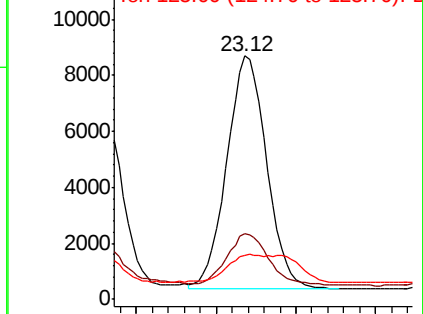


Abundance

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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.278 ng/ul

RT: 25.30 min Scan# 6082

Delta R.T. -0.01 min

Lab File: BN009247.D

Acq: 29 Dec 2019 02:28

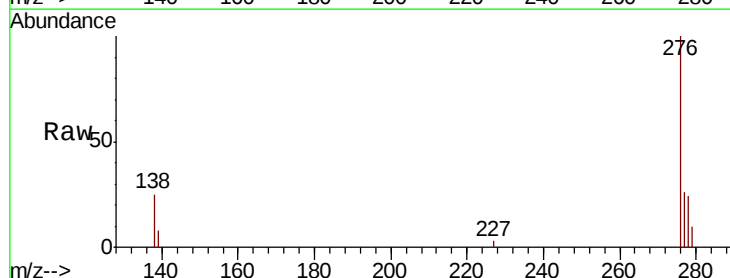
Tgt Ion:276 Resp: 10401

Ion Ratio Lower Upper

276 100

138 22.4 22.4 33.6#

227 0.1 0.2 0.4#

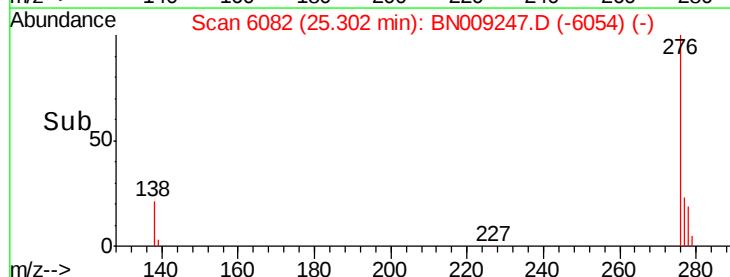
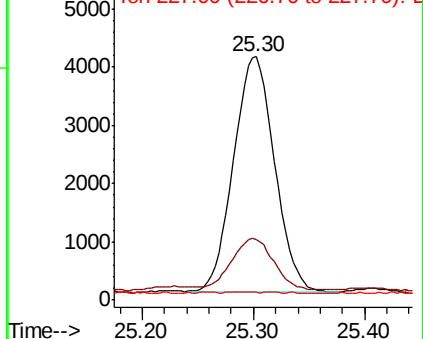


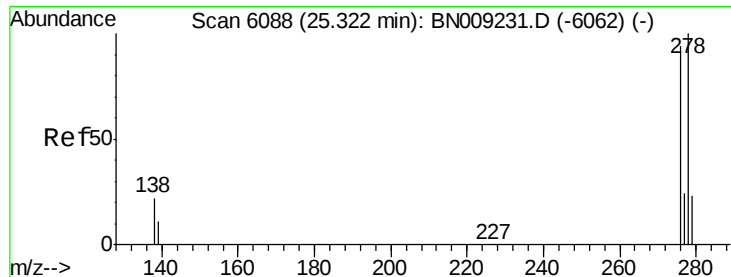
Abundance

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

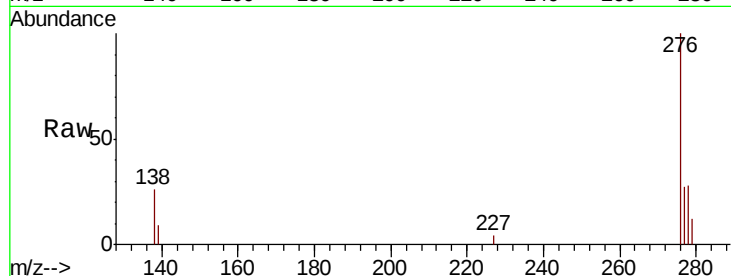




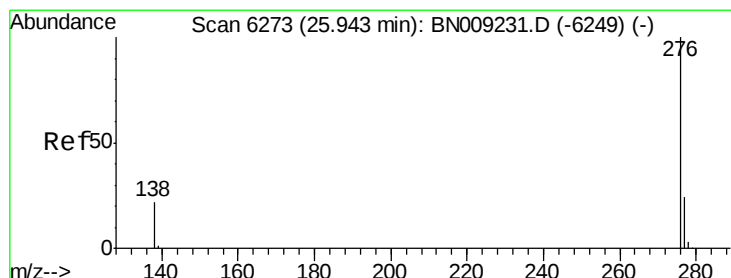
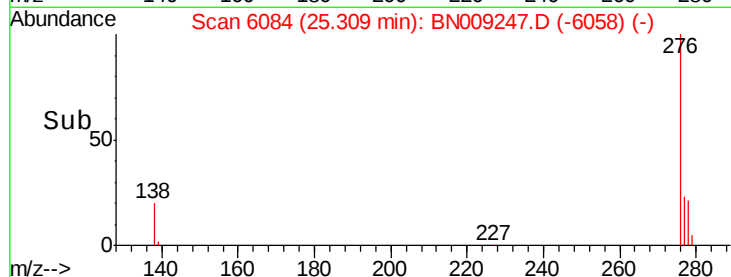
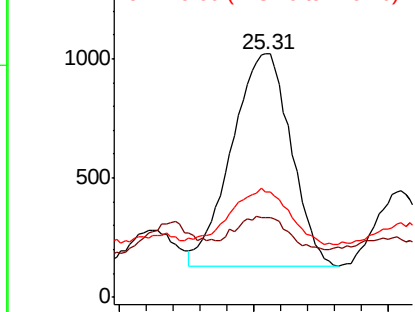
#25
Dibenzo(a,h)anthracene
Concen: 0.092 ng/ul
RT: 25.31 min Scan# 6084
Delta R.T. -0.01 min
Lab File: BN009247.D
Acq: 29 Dec 2019 02:28

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 2735
Ion Ratio Lower Upper
278 100
139 32.5 16.2 24.2#
279 43.4 20.3 30.5#

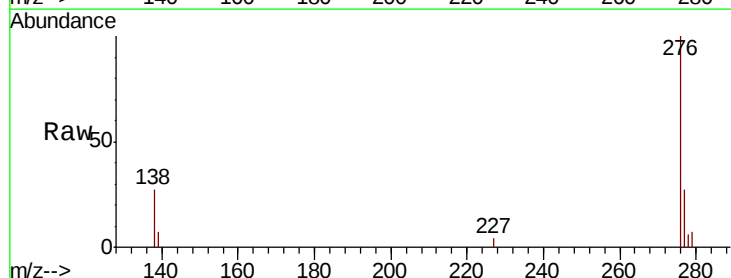


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.256 ng/ul
RT: 25.93 min Scan# 6270
Delta R.T. -0.01 min
Lab File: BN009247.D
Acq: 29 Dec 2019 02:28

Tgt Ion:276 Resp: 8057
Ion Ratio Lower Upper
276 100
138 26.9 20.6 30.8
277 27.2 19.6 29.4



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

