

Data File : BN009264.D
Acq On : 30 Dec 2019 17:43
Operator : JU
Sample : K6322-03DL 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0C31DL

Quant Time: Dec 31 01:03:33 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 : Tue Dec 31 00:59:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2470	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	9155	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.13	164	4797	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	9035	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	6589	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	6674	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	449	0.03	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	856	0.03	ng/ul	0.00

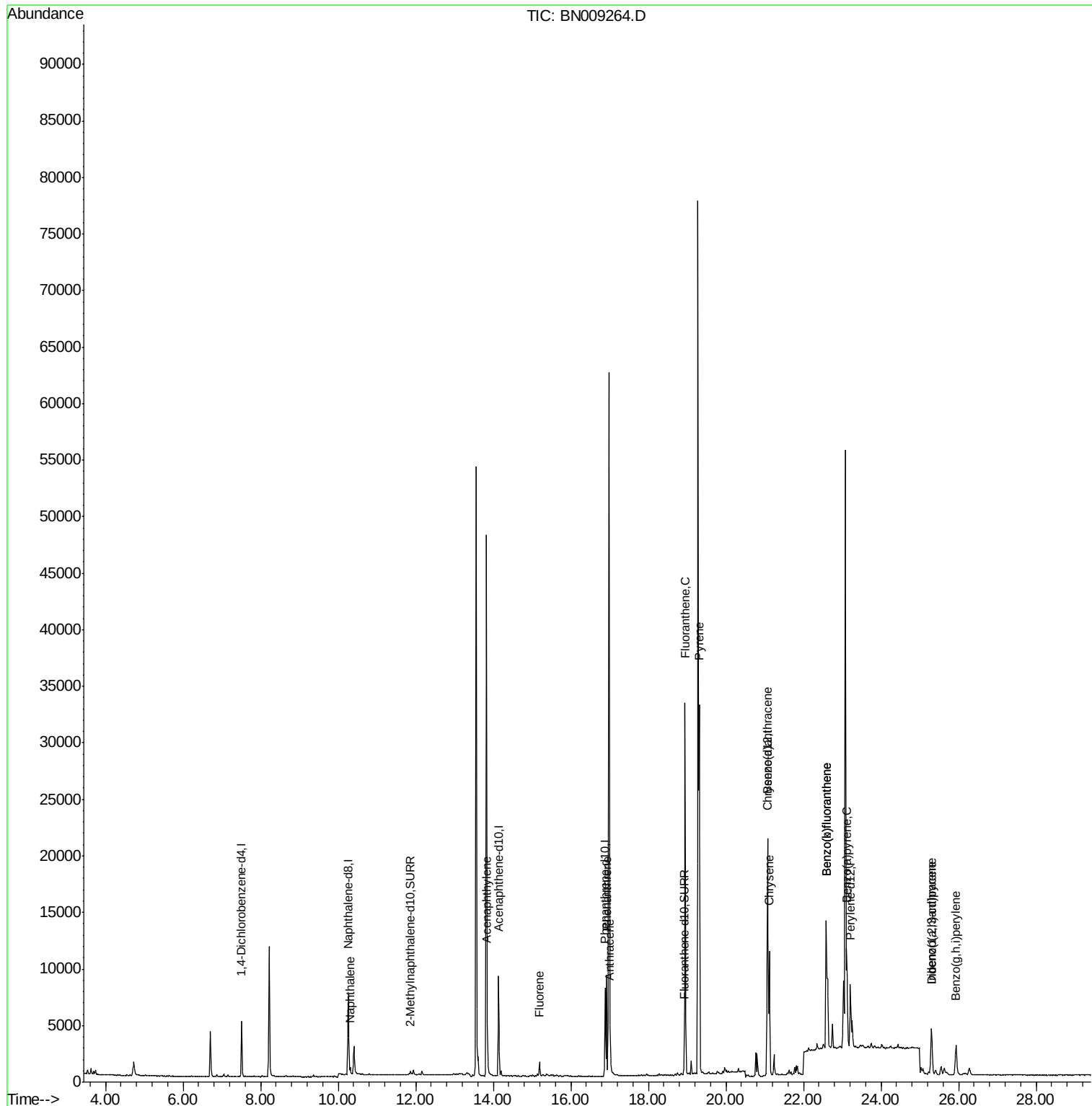
Target Compounds				Qvalue		
3) Naphthalene	10.31	128	713	0.026	ng/ul#	76
7) Acenaphthylene	13.85	152	2481	0.098	ng/ul#	94
9) Fluorene	15.19	166	836	0.036	ng/ul#	95
12) Phenanthrene	16.92	178	9232	0.294	ng/ul	98
13) Anthracene	17.02	178	3572	0.127	ng/ul	96
15) Fluoranthene	18.95	202	27626	0.769	ng/ul	98
17) Pyrene	19.31	202	26602	0.791	ng/ul	98
18) Benzo(a)anthracene	21.07	228	16094	0.550	ng/ul	98
19) Chrysene	21.12	228	11999	0.408	ng/ul	96
21) Benzo(b)fluoranthene	22.59	252	23877	0.766	ng/ul	98
22) Benzo(k)fluoranthene	22.59	252	23877	0.760	ng/ul	98
23) Benzo(a)pyrene	23.12	252	10665	0.391	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.30	276	5953	0.200	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.31	278	1517	0.064	ng/ul#	64
26) Benzo(g,h,i)perylene	25.94	276	5092	0.203	ng/ul	96

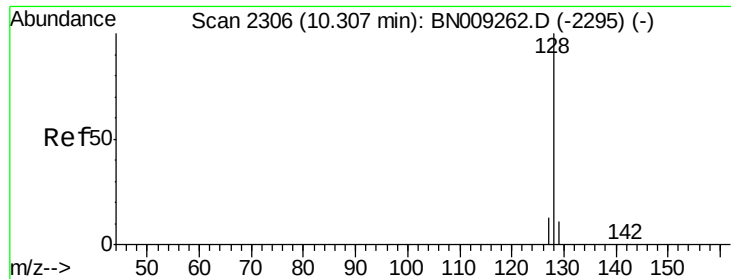
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.026 ng/ul

RT: 10.31 min Scan# 2306

Delta R.T. -0.00 min

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Instrument :

BNA_N

ClientSampleId :

C0C31DL

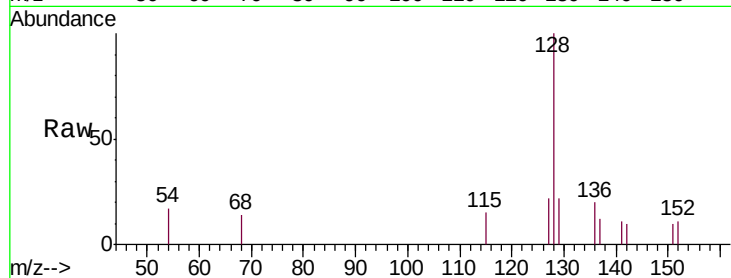
Tgt Ion:128 Resp: 713

Ion Ratio Lower Upper

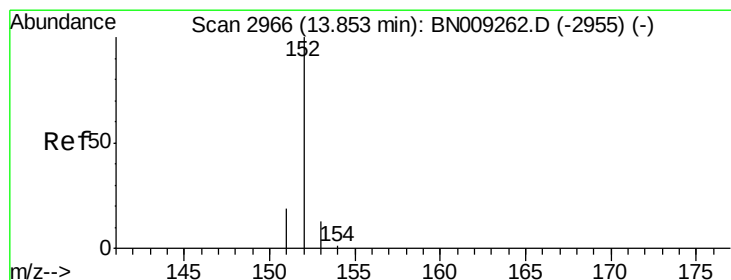
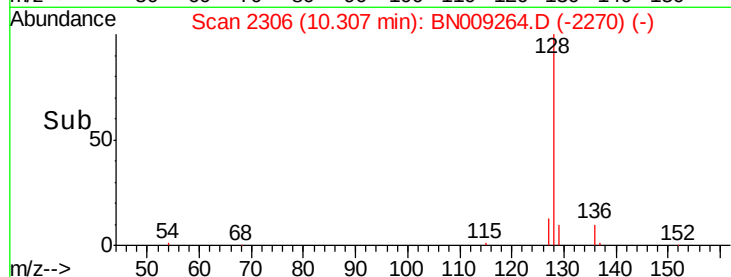
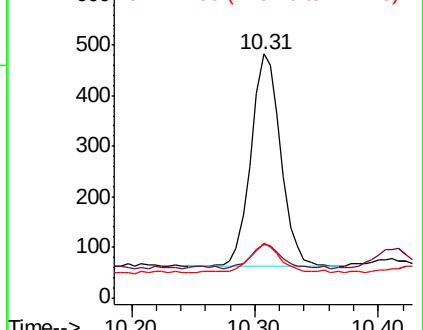
128 100

129 21.9 9.0 13.4#

127 22.2 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



#7

Acenaphthylene

Concen: 0.098 ng/ul

RT: 13.85 min Scan# 2966

Delta R.T. -0.00 min

Lab File: BN009264.D

Acq: 30 Dec 2019 17:43

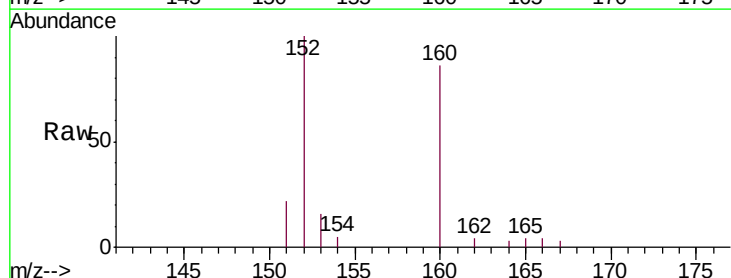
Tgt Ion:152 Resp: 2481

Ion Ratio Lower Upper

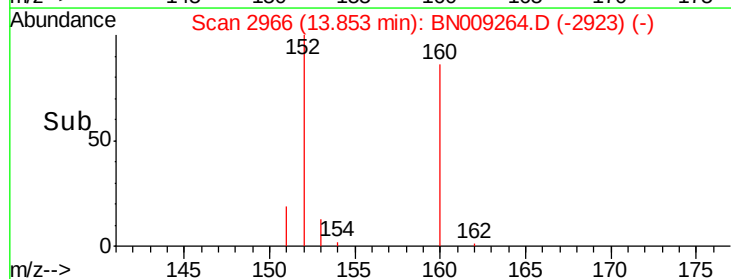
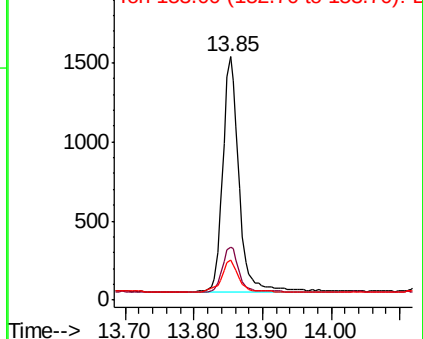
152 100

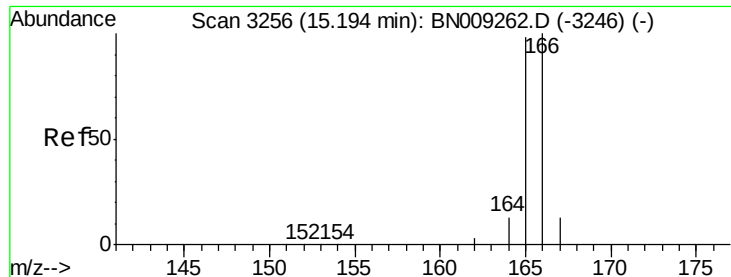
151 21.8 15.7 23.5

153 16.2 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: 0.036 ng/ul

RT: 15.19 min Scan# 3256

Delta R.T. -0.00 min

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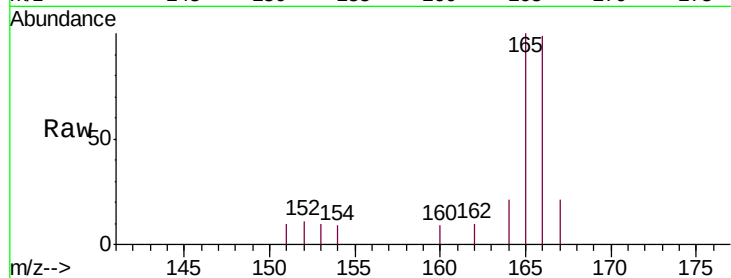
Tgt Ion:166 Resp: 836

Ion Ratio Lower Upper

166 100

165 100.9 78.2 117.4

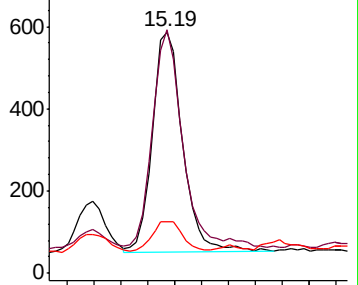
167 21.5 11.0 16.6#



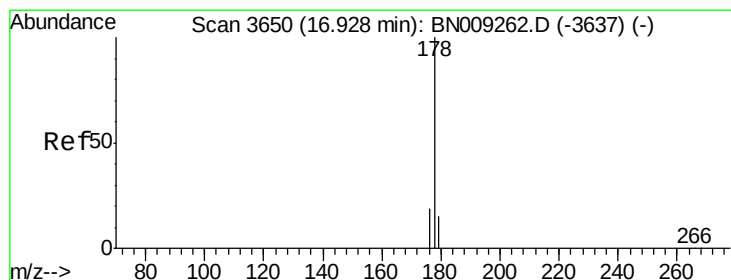
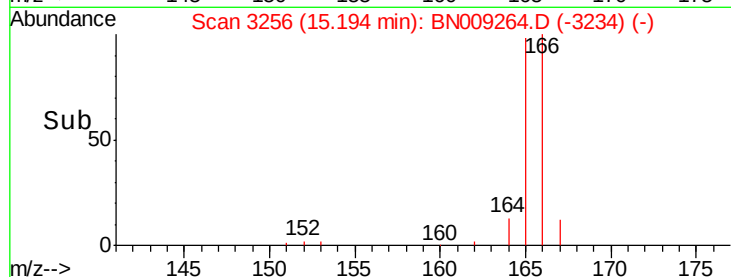
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#12

Phenanthrene

Concen: 0.294 ng/ul

RT: 16.92 min Scan# 3649

Delta R.T. -0.00 min

Lab File: BN009264.D

Acq: 30 Dec 2019 17:43

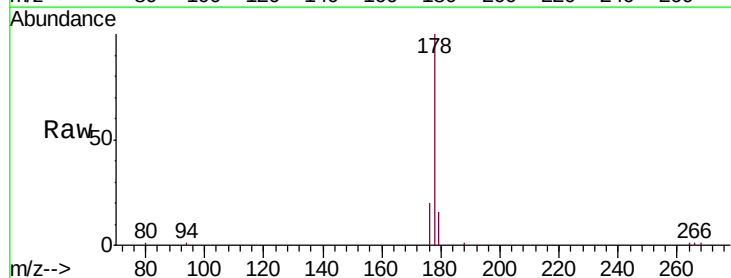
Tgt Ion:178 Resp: 9232

Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

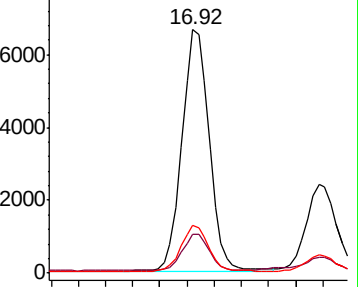
176 19.7 15.1 22.7



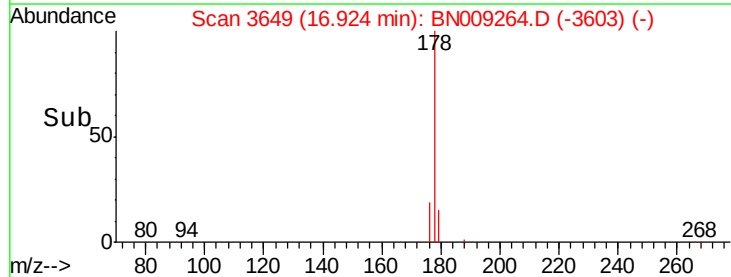
Abundance Ion 178.00 (177.70 to 178.70): E

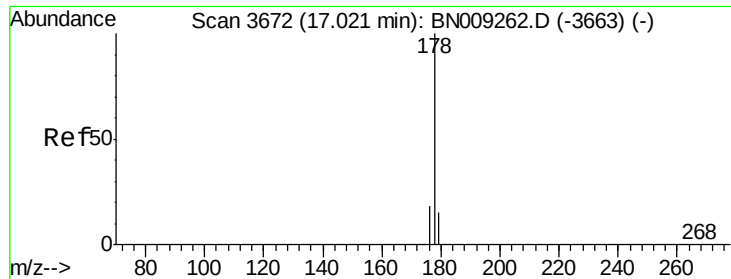
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#13

Anthracene

Concen: 0.127 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN009264.D

Acq: 30 Dec 2019 17:43

Instrument :

BNA_N

ClientSampleId :

C0C31DL

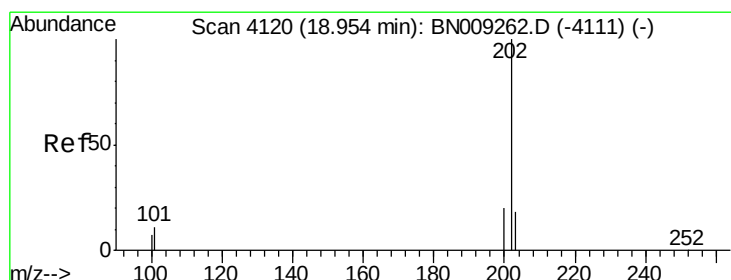
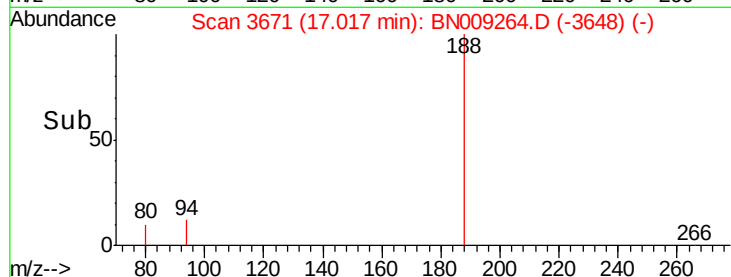
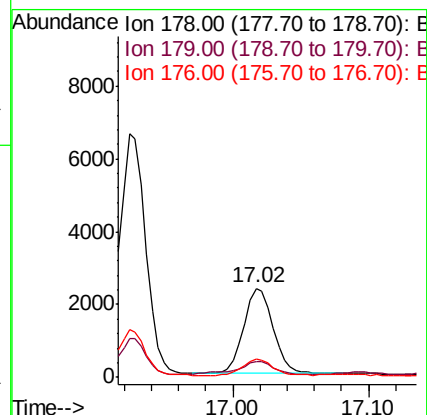
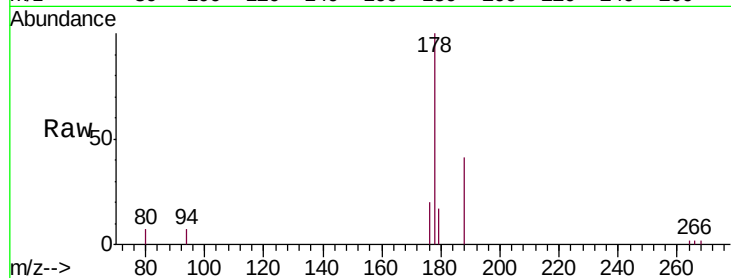
Tgt Ion:178 Resp: 3572

Ion Ratio Lower Upper

178 100

179 17.4 12.5 18.7

176 20.0 14.9 22.3



#15

Fluoranthene

Concen: 0.769 ng/ul

RT: 18.95 min Scan# 4119

Delta R.T. -0.00 min

Lab File: BN009264.D

Acq: 30 Dec 2019 17:43

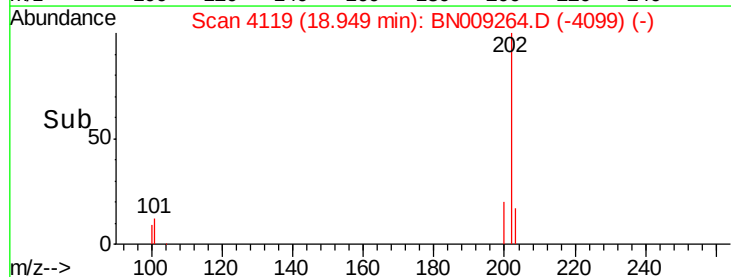
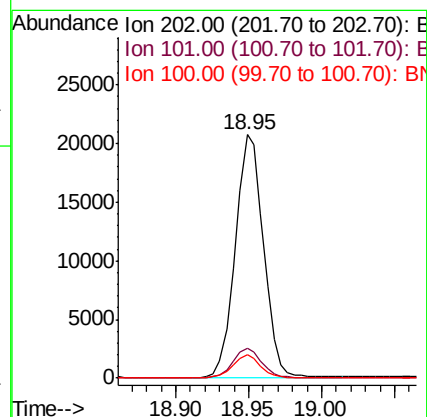
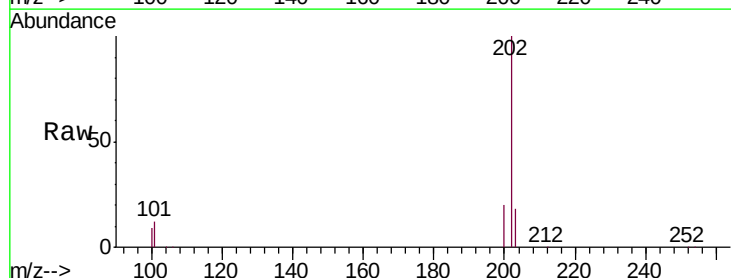
Tgt Ion:202 Resp: 27626

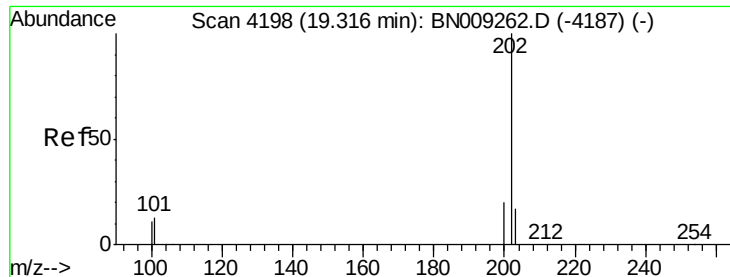
Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.5

100 9.5 0.0 28.9

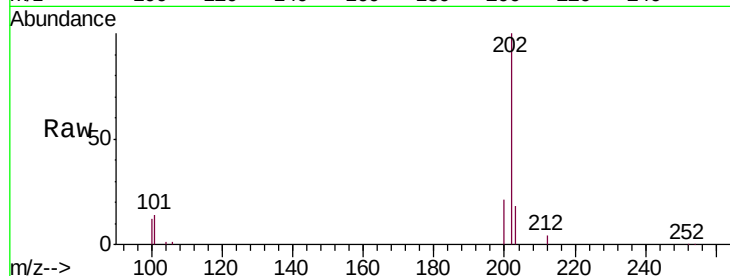




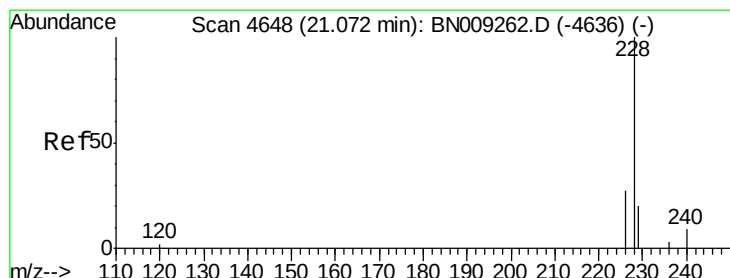
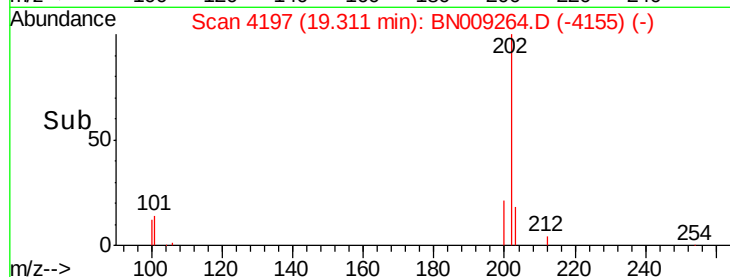
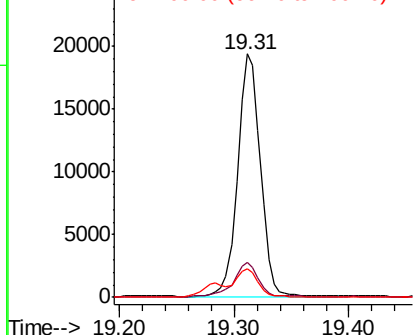
#17
Pyrene
 Concen: 0.791 ng/ul
 RT: 19.31 min Scan# 4197
 Delta R.T. -0.00 min
 Lab File: BN009264.D
 Acq: 30 Dec 2019 17:43

Instrument :
 BNA_N
 ClientSampleId :
 C0C31DL

Tgt Ion:202 Resp: 26602
 Ion Ratio Lower Upper
 202 100
 101 14.2 10.9 16.3
 100 11.9 9.0 13.6

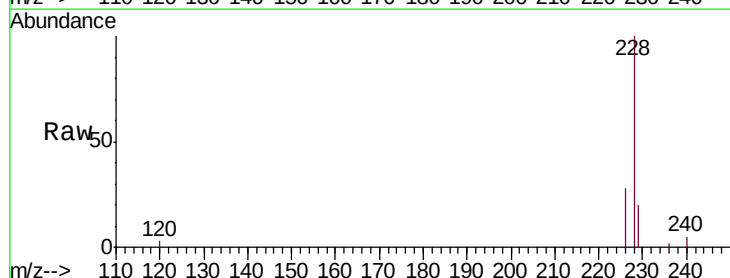


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

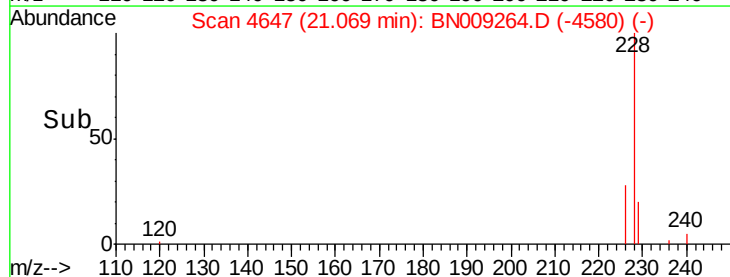
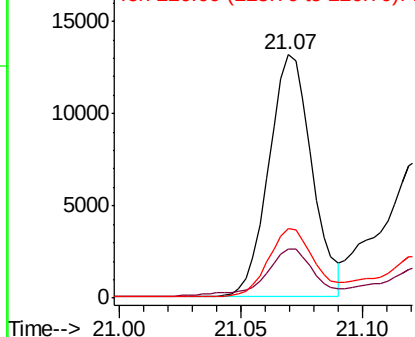


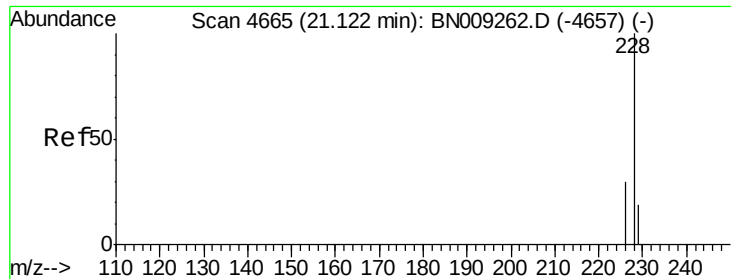
#18
Benzo(a)anthracene
 Concen: 0.550 ng/ul
 RT: 21.07 min Scan# 4647
 Delta R.T. -0.00 min
 Lab File: BN009264.D
 Acq: 30 Dec 2019 17:43

Tgt Ion:228 Resp: 16094
 Ion Ratio Lower Upper
 228 100
 229 20.3 15.5 23.3
 226 28.5 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: 0.408 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. -0.00 min

Lab File: BN009264.D

Acq: 30 Dec 2019 17:43

Instrument :

BNA_N

ClientSampleId :

C0C31DL

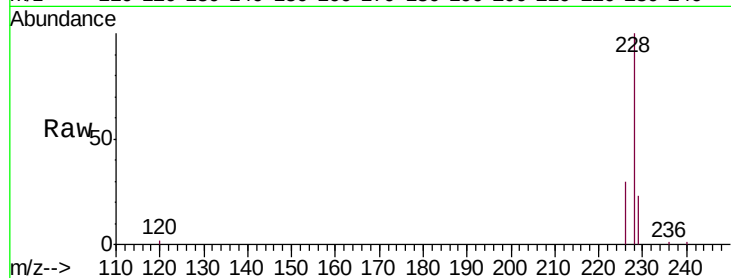
Tgt Ion:228 Resp: 11999

Ion Ratio Lower Upper

228 100

226 30.1 23.7 35.5

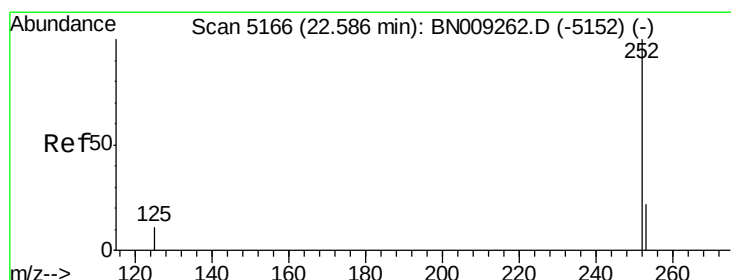
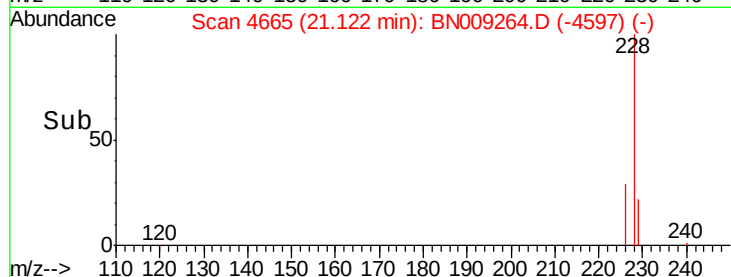
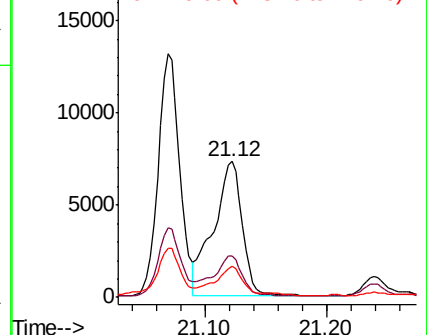
229 22.5 15.4 23.0



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: 0.766 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. -0.00 min

Lab File: BN009264.D

Acq: 30 Dec 2019 17:43

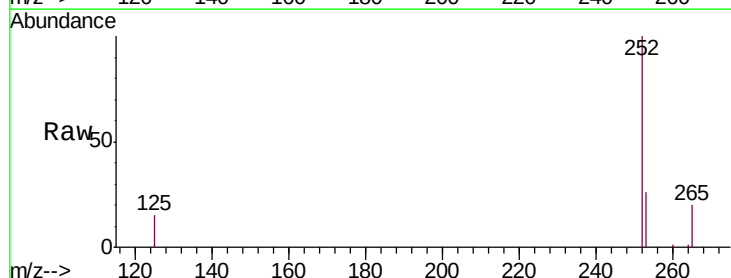
Tgt Ion:252 Resp: 23877

Ion Ratio Lower Upper

252 100

253 25.6 0.0 48.2

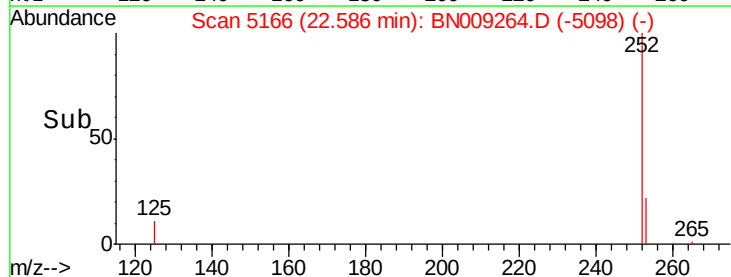
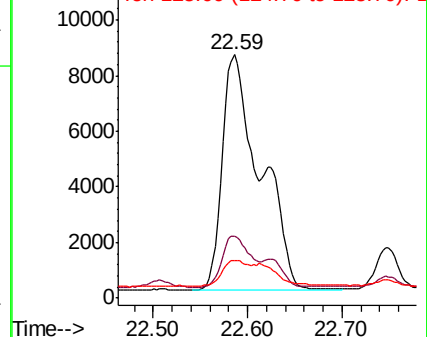
125 15.4 0.0 30.0

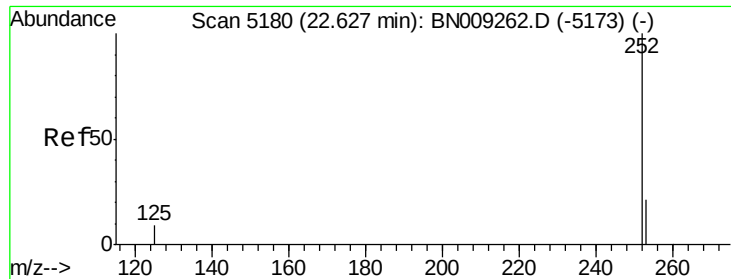


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.760 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. -0.04 min

Lab File: BN009264.D

Acq: 30 Dec 2019 17:43

Instrument :

BNA_N

ClientSampleId :

C0C31DL

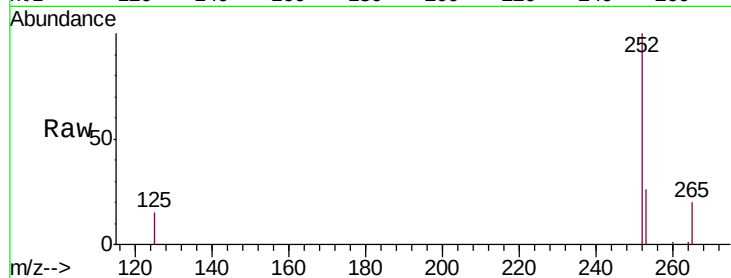
Tgt Ion:252 Resp: 23877

Ion Ratio Lower Upper

252 100

253 25.6 19.4 29.0

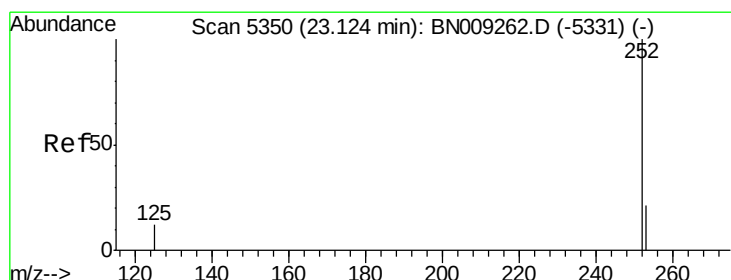
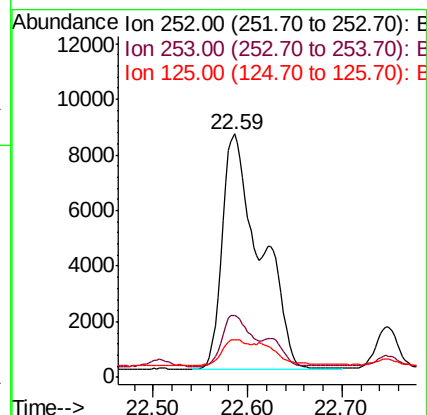
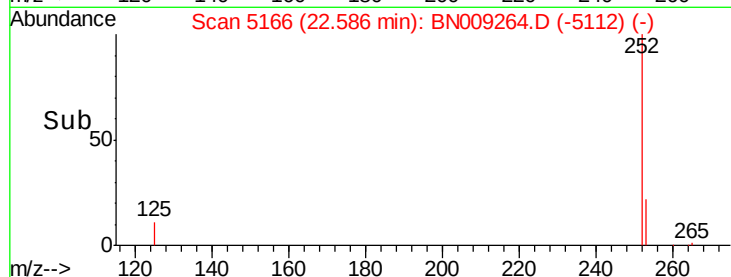
125 15.4 12.4 18.6



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: 0.391 ng/ul

RT: 23.12 min Scan# 5349

Delta R.T. -0.00 min

Lab File: BN009264.D

Acq: 30 Dec 2019 17:43

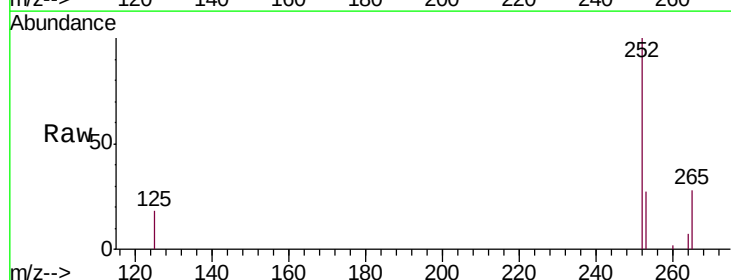
Tgt Ion:252 Resp: 10665

Ion Ratio Lower Upper

252 100

253 26.9 20.2 30.4

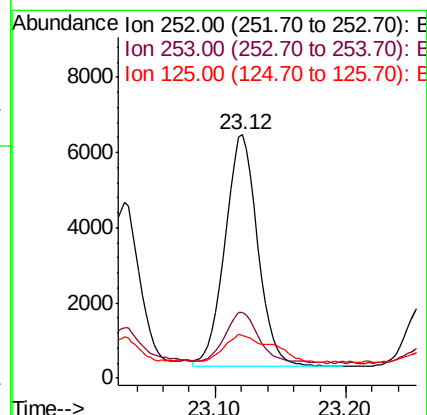
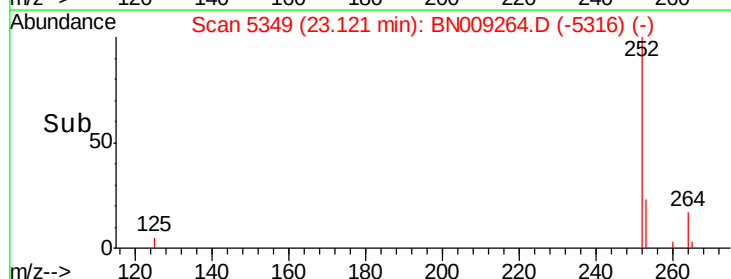
125 17.8 13.2 19.8

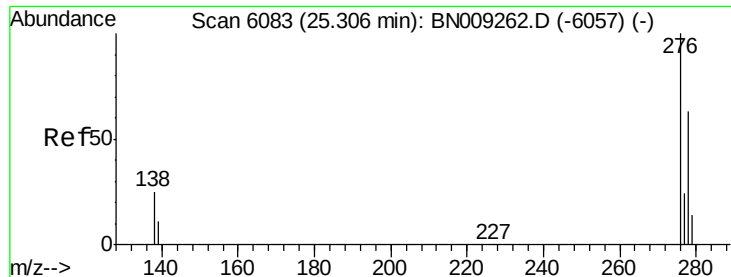


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.200 ng/ul

RT: 25.30 min Scan# 6082

Delta R.T. -0.00 min

Lab File: BN009264.D

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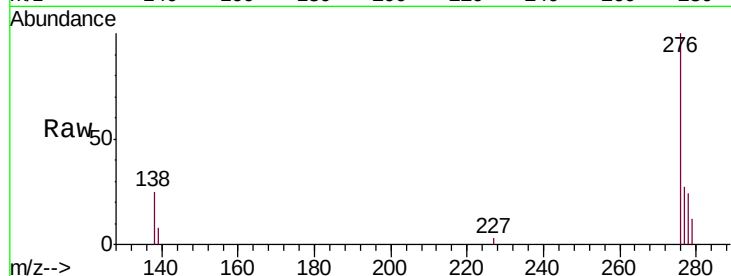
Tgt Ion:276 Resp: 5953

Ion Ratio Lower Upper

276 100

138 22.3 22.4 33.6#

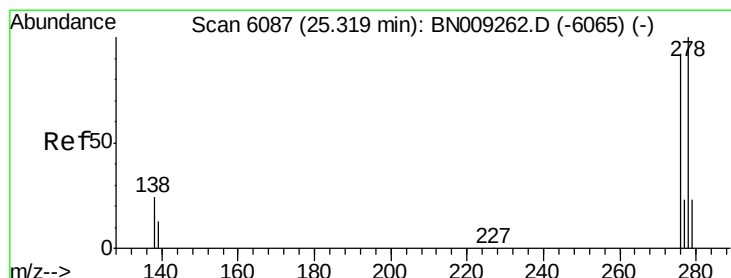
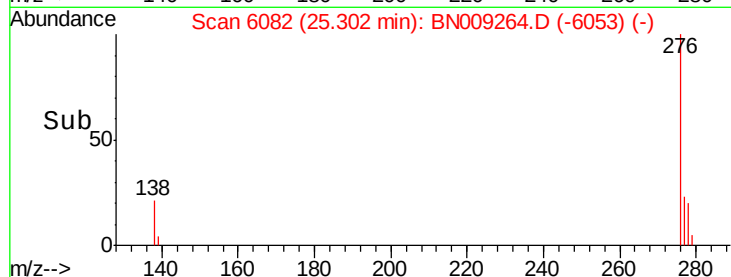
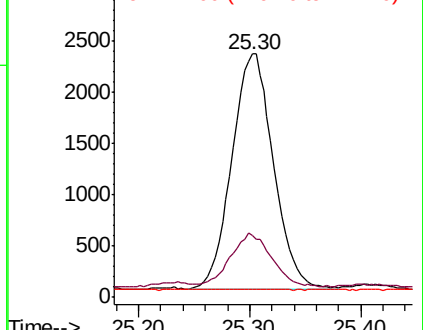
227 0.2 0.2 0.4#



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: 0.064 ng/ul

RT: 25.31 min Scan# 6084

Delta R.T. -0.01 min

Lab File: BN009264.D

Acq: 30 Dec 2019 17:43

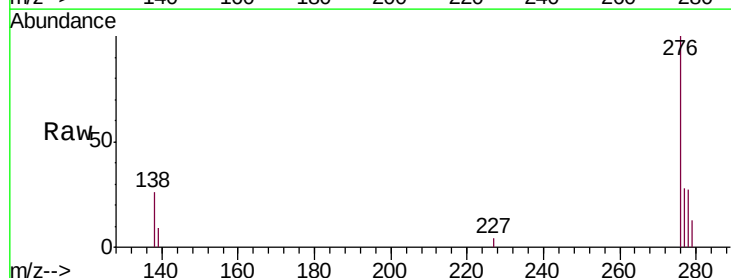
Tgt Ion:278 Resp: 1517

Ion Ratio Lower Upper

278 100

139 32.1 16.2 24.2#

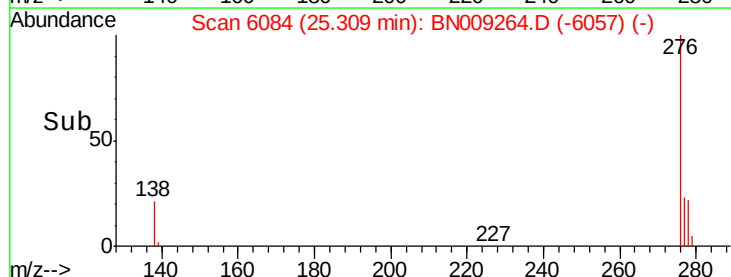
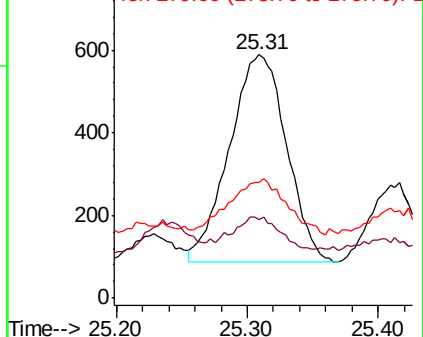
279 47.4 20.3 30.5#

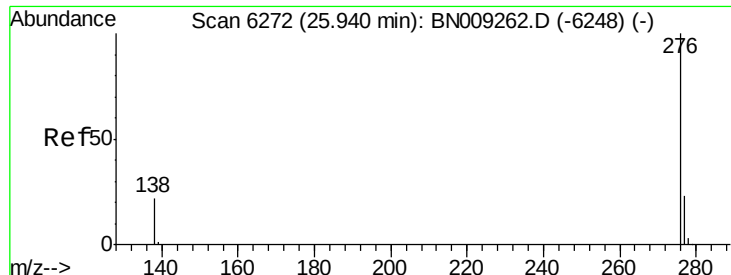


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.203 ng/ul

RT: 25.94 min Scan# 6272

Delta R.T. -0.00 min

Lab File: BN009264.D

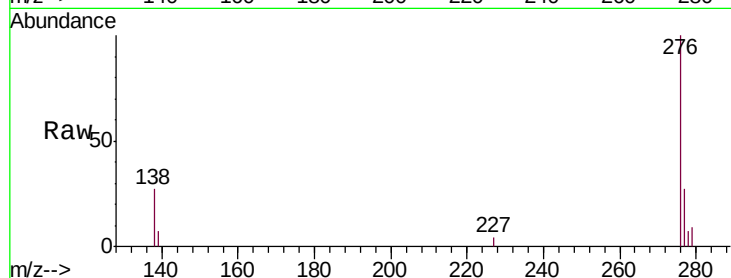
Acq: 30 Dec 2019 17:43

Instrument :

BNA_N

ClientSampleId :

C0C31DL



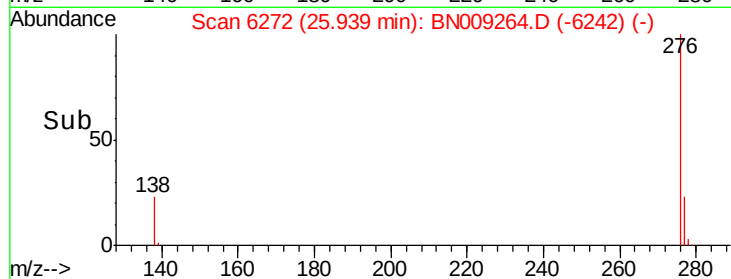
Tgt Ion: 276 Resp: 5092

Ion Ratio Lower Upper

276 100

138 27.3 20.6 30.8

277 26.8 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

