

Data File : BN009269.D
Acq On : 30 Dec 2019 20:42
Operator : JU
Sample : K6322-10DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0C94DL

Quant Time: Dec 31 01:04:19 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	2685	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	9712	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.13	164	5030	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	9614	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	7324	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	7537	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	508	0.03	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	926	0.03	ng/ul	0.00

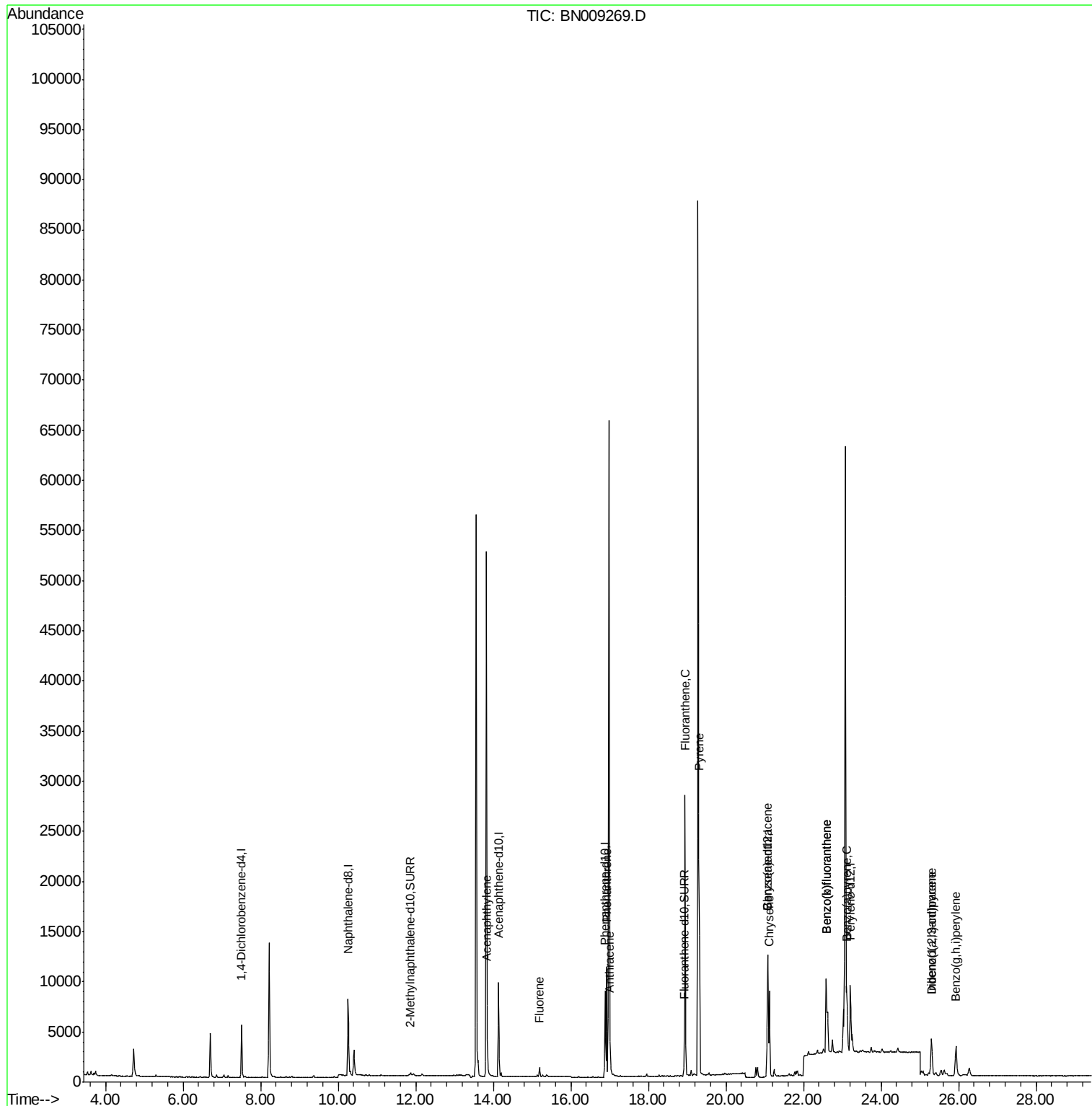
Target Compounds				Qvalue		
7) Acenaphthylene	13.85	152	1621	0.061	ng/ul#	89
9) Fluorene	15.19	166	622	0.025	ng/ul#	96
12) Phenanthrene	16.92	178	11215	0.335	ng/ul	99
13) Anthracene	17.02	178	2359	0.079	ng/ul#	91
15) Fluoranthene	18.95	202	23865	0.624	ng/ul	99
17) Pyrene	19.31	202	20699	0.554	ng/ul	100
18) Benzo(a)anthracene	21.07	228	8526	0.262	ng/ul	97
19) Chrysene	21.12	228	8376	0.256	ng/ul	96
21) Benzo(b)fluoranthene	22.59	252	14996	0.426	ng/ul	93
22) Benzo(k)fluoranthene	22.59	252	14943	0.421	ng/ul	94
23) Benzo(a)pyrene	23.12	252	7925	0.257	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.31	276	5488	0.163	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.31	278	1190	0.045	ng/ul#	55
26) Benzo(g,h,i)perylene	25.93	276	5502	0.194	ng/ul	97

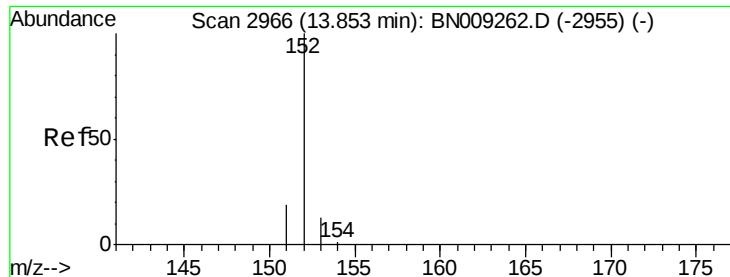
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#7

Acenaphthylene

Concen: 0.061 ng/ul

RT: 13.85 min Scan# 2966

Delta R.T. -0.00 min

Lab File: BN009269.D

Acq: 30 Dec 2019 20:42

Instrument :

BNA_N

ClientSampleId :

C0C94DL

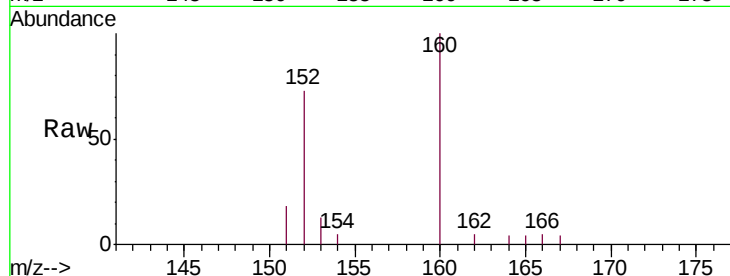
Tgt Ion:152 Resp: 1621

Ion Ratio Lower Upper

152 100

151 24.4 15.7 23.5#

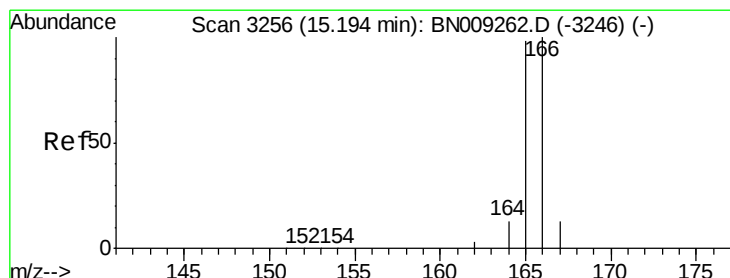
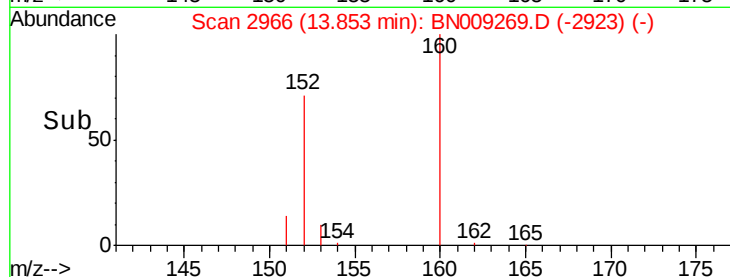
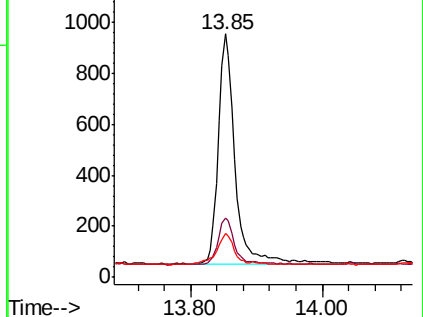
153 18.2 10.8 16.2#



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: 0.025 ng/ul

RT: 15.19 min Scan# 3256

Delta R.T. -0.00 min

Lab File: BN009269.D

Acq: 30 Dec 2019 20:42

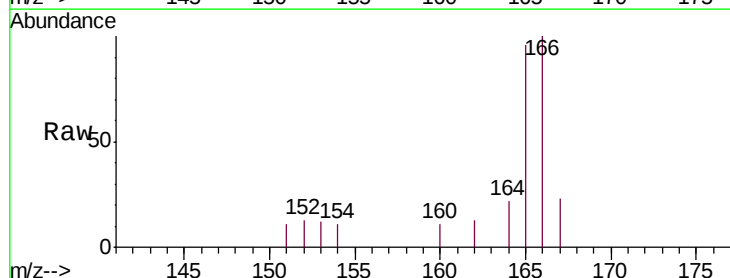
Tgt Ion:166 Resp: 622

Ion Ratio Lower Upper

166 100

165 96.0 78.2 117.4

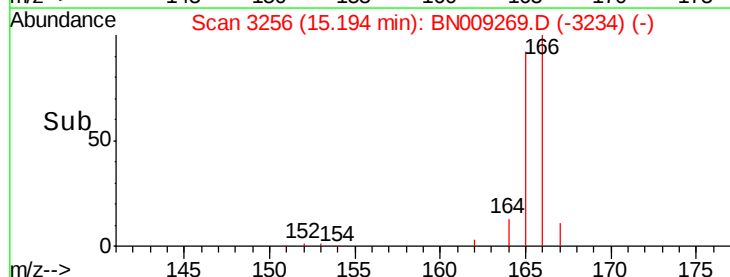
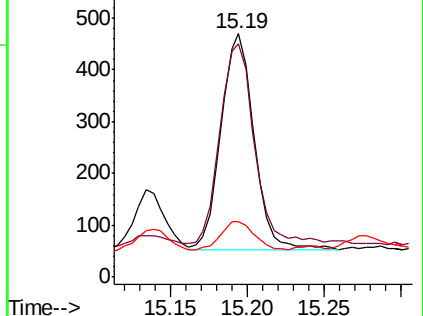
167 22.8 11.0 16.6#

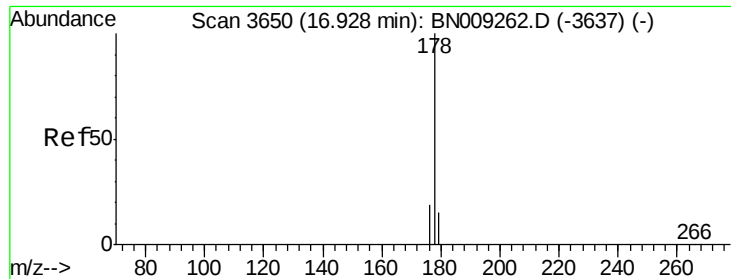


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.335 ng/ul

RT: 16.92 min Scan# 3649

Delta R.T. -0.00 min

Lab File: BN009269.D

Acq: 30 Dec 2019 20:42

Instrument :

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ClientSampleId :

C0C94DL

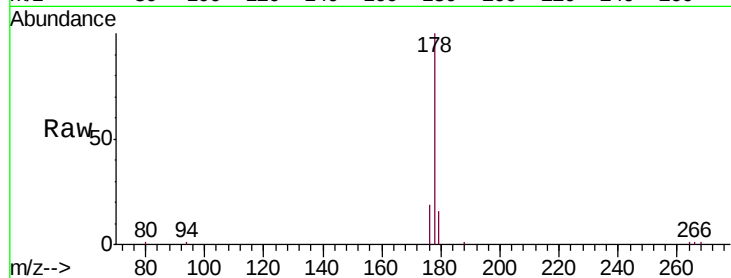
Tgt Ion:178 Resp: 11215

Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

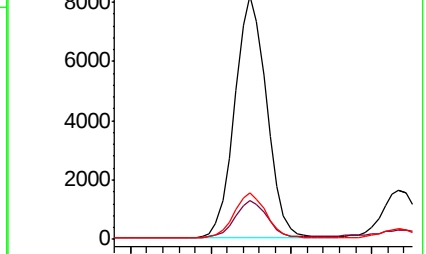
176 19.2 15.1 22.7



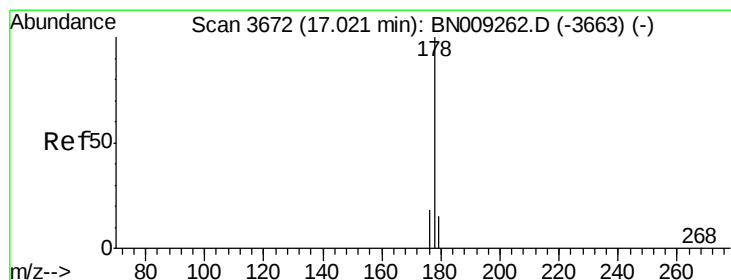
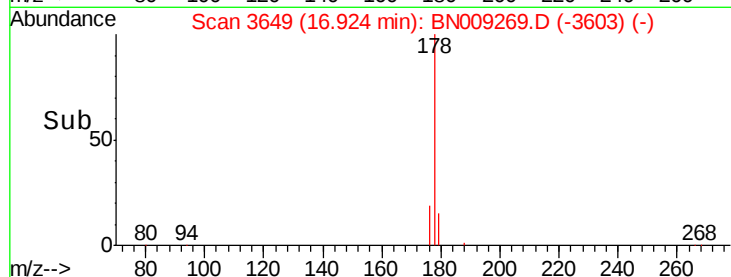
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#13

Anthracene

Concen: 0.079 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN009269.D

Acq: 30 Dec 2019 20:42

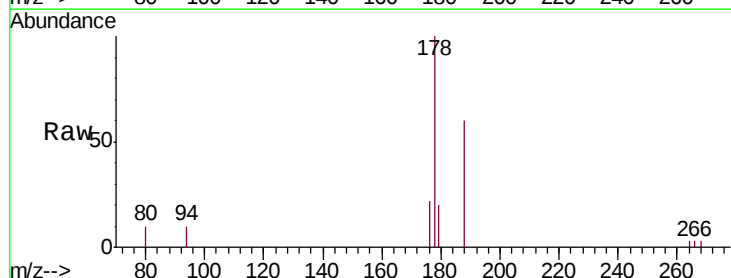
Tgt Ion:178 Resp: 2359

Ion Ratio Lower Upper

178 100

179 19.8 12.5 18.7#

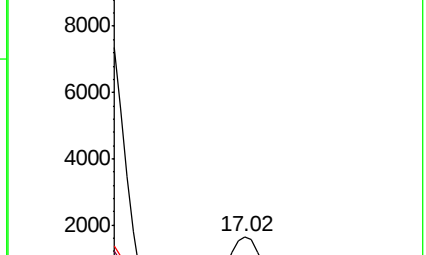
176 22.3 14.9 22.3



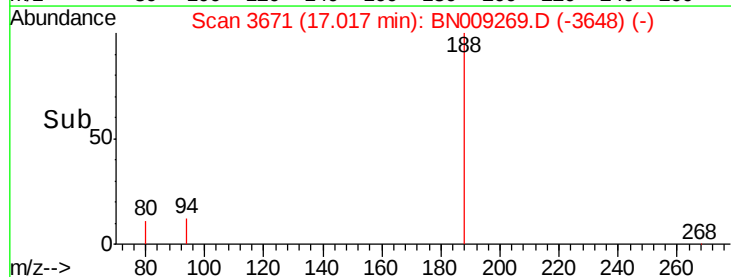
Abundance Ion 178.00 (177.70 to 178.70): E

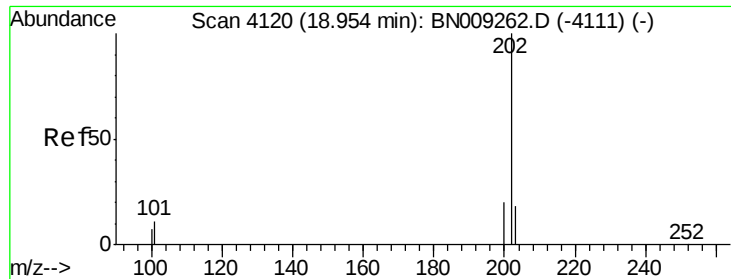
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->

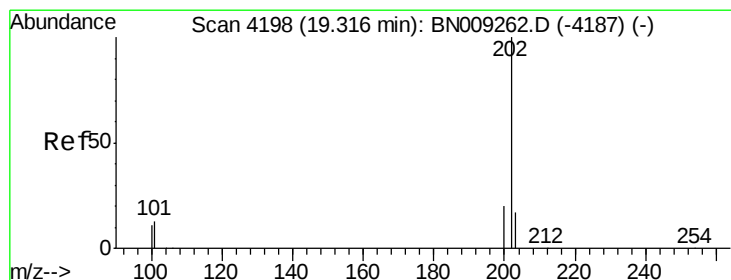
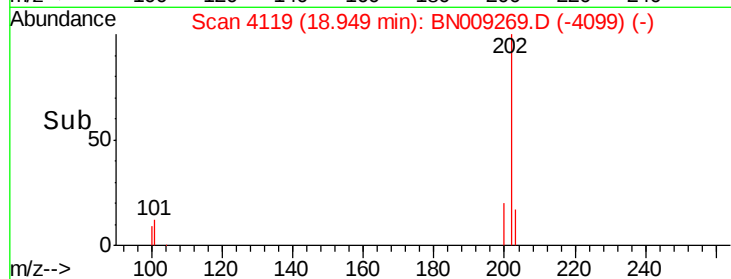
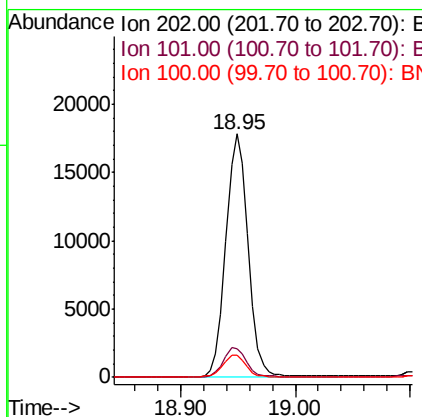
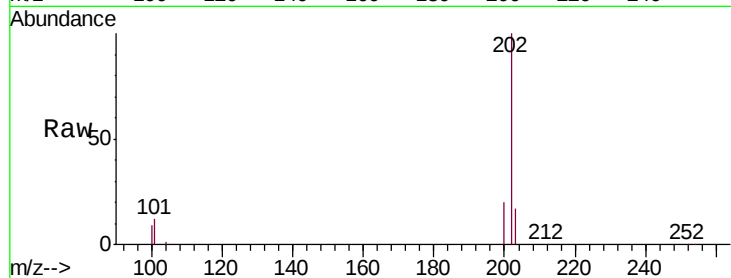




#15
Fluoranthene
 Concen: 0.624 ng/ul
 RT: 18.95 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: BN009269.D
 Acq: 30 Dec 2019 20:42

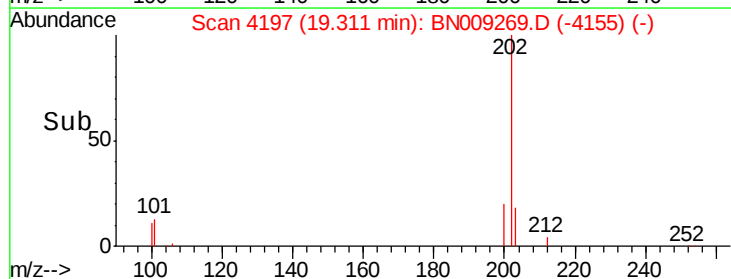
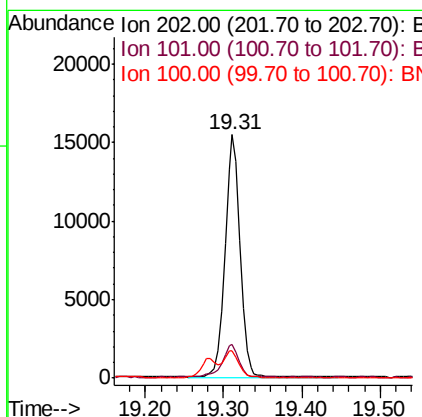
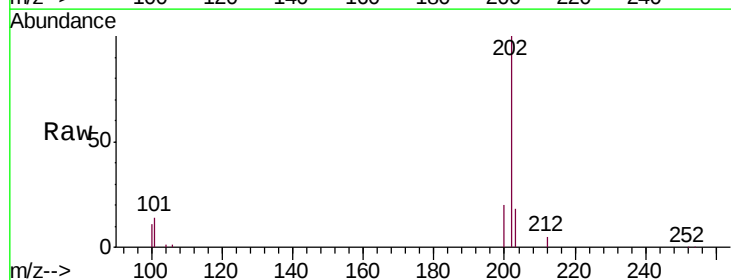
Instrument :
 BNA_N
 ClientSampleId :
 C0C94DL

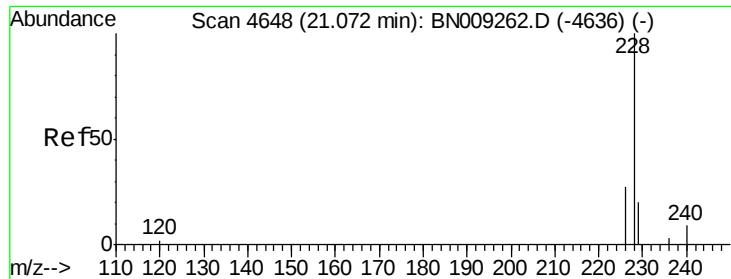
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	31.5
100	9.0	0.0	28.9



#17
Pyrene
 Concen: 0.554 ng/ul
 RT: 19.31 min Scan# 4197
 Delta R.T. -0.00 min
 Lab File: BN009269.D
 Acq: 30 Dec 2019 20:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	10.9	16.3
100	11.3	9.0	13.6





#18

Benzo(a)anthracene

Concen: 0.262 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.00 min

Lab File: BN009269.D

Acq: 30 Dec 2019 20:42

Instrument :

BNA_N

ClientSampleId :

C0C94DL

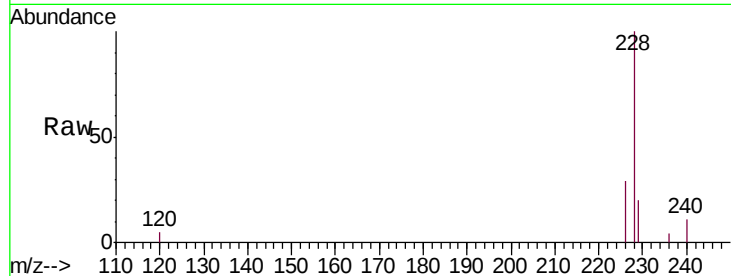
Tgt Ion:228 Resp: 8526

Ion Ratio Lower Upper

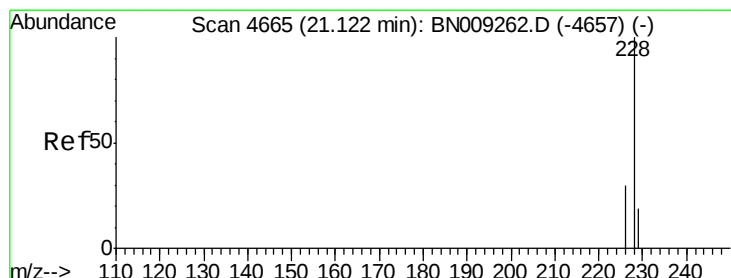
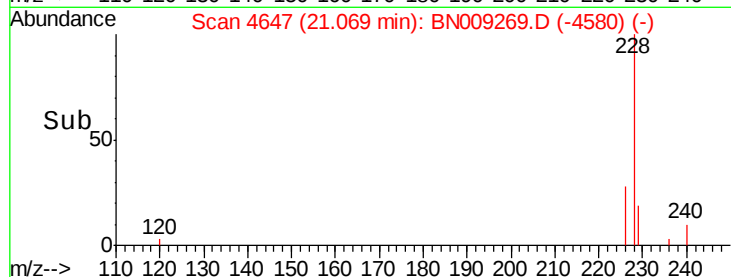
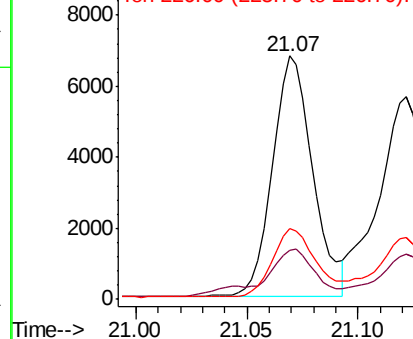
228 100

229 20.2 15.5 23.3

226 28.9 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: 0.256 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. -0.00 min

Lab File: BN009269.D

Acq: 30 Dec 2019 20:42

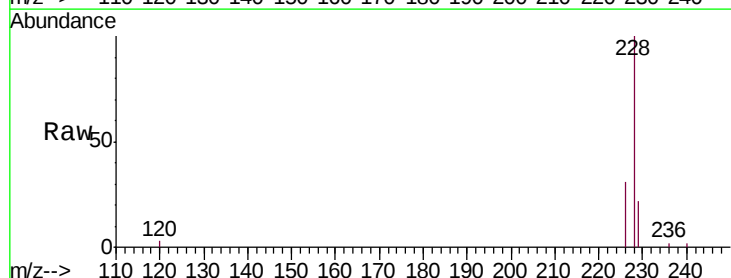
Tgt Ion:228 Resp: 8376

Ion Ratio Lower Upper

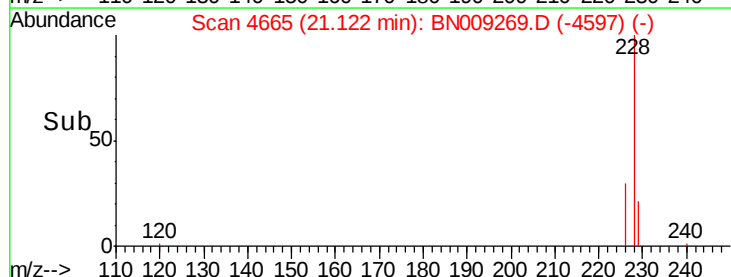
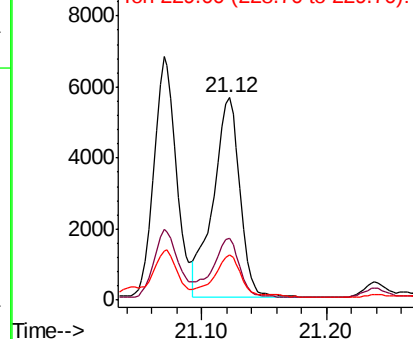
228 100

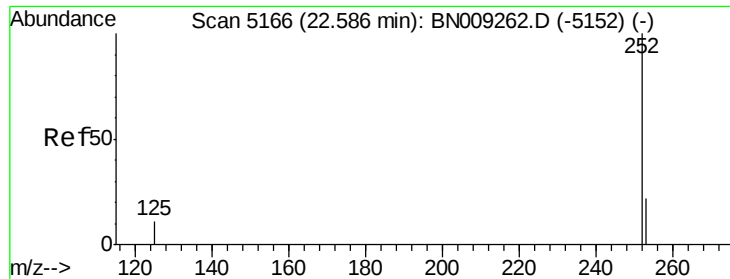
226 30.7 23.7 35.5

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: 0.426 ng/u1

RT: 22.59 min Scan# 5166

Delta R.T. -0.00 min

Lab File: BN009269.D

Acq: 30 Dec 2019 20:42

Instrument :

BNA_N

ClientSampleId :

C0C94DL

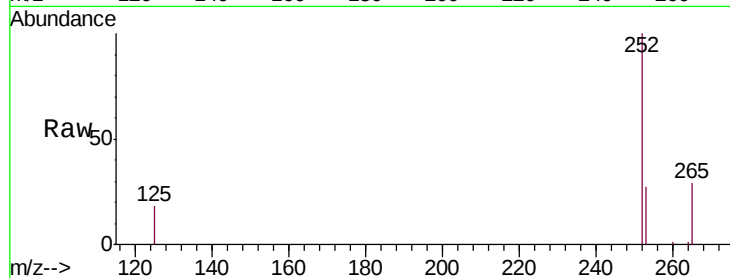
Tgt Ion:252 Resp: 14996

Ion Ratio Lower Upper

252 100

253 27.4 0.0 48.2

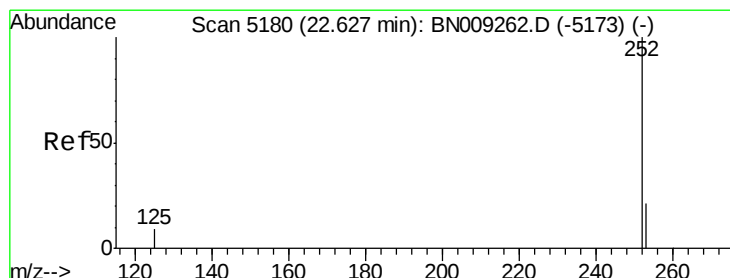
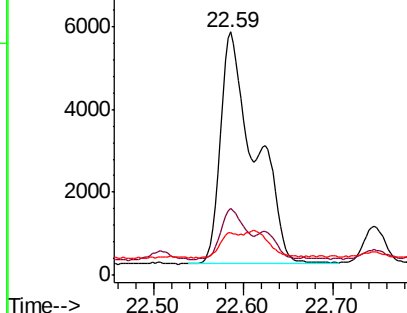
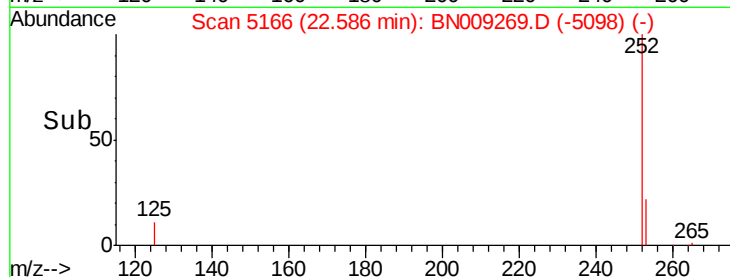
125 17.6 0.0 30.0



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: 0.421 ng/u1

RT: 22.59 min Scan# 5166

Delta R.T. -0.04 min

Lab File: BN009269.D

Acq: 30 Dec 2019 20:42

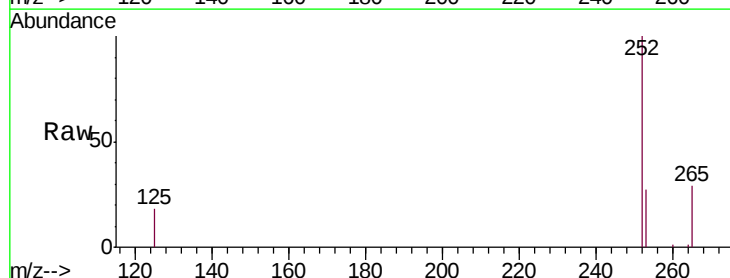
Tgt Ion:252 Resp: 14943

Ion Ratio Lower Upper

252 100

253 27.4 19.4 29.0

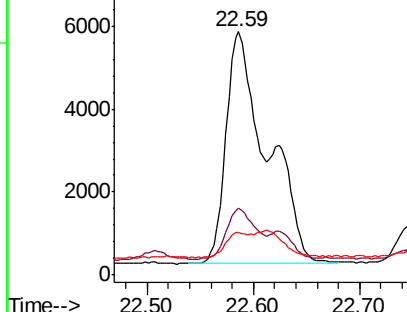
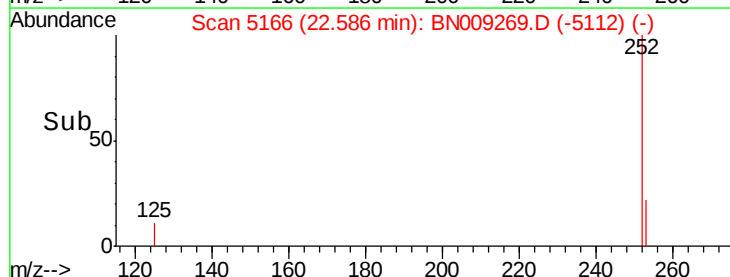
125 17.6 12.4 18.6

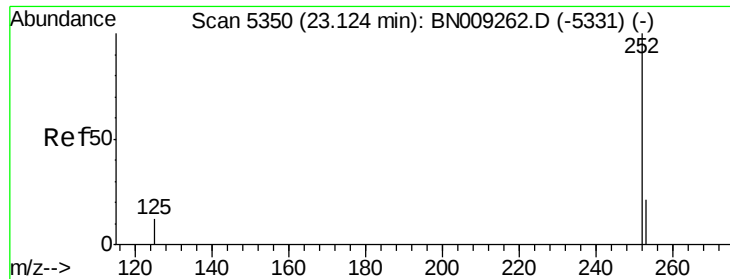


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.257 ng/u1

RT: 23.12 min Scan# 5348

Delta R.T. -0.01 min

Lab File: BN009269.D

Acq: 30 Dec 2019 20:42

Instrument :

BNA_N

ClientSampleId :

C0C94DL

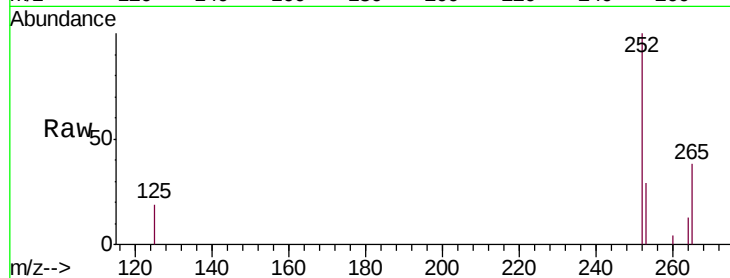
Tgt Ion:252 Resp: 7925

Ion Ratio Lower Upper

252 100

253 29.2 20.2 30.4

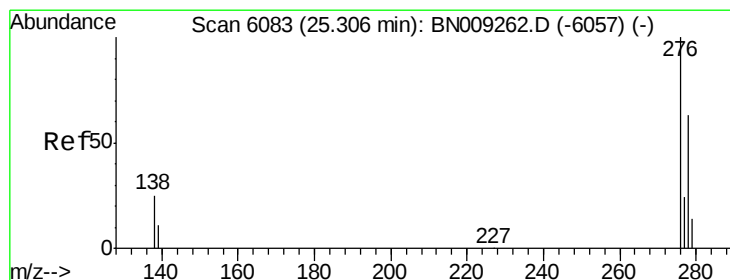
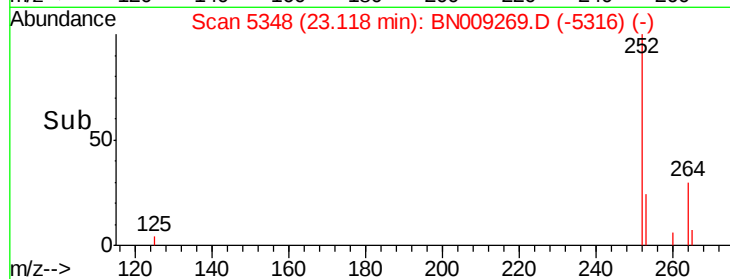
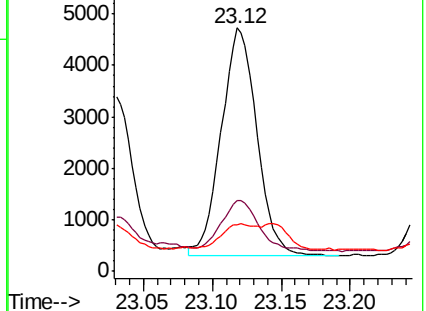
125 19.3 13.2 19.8



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: 0.163 ng/u1

RT: 25.31 min Scan# 6083

Delta R.T. -0.00 min

Lab File: BN009269.D

Acq: 30 Dec 2019 20:42

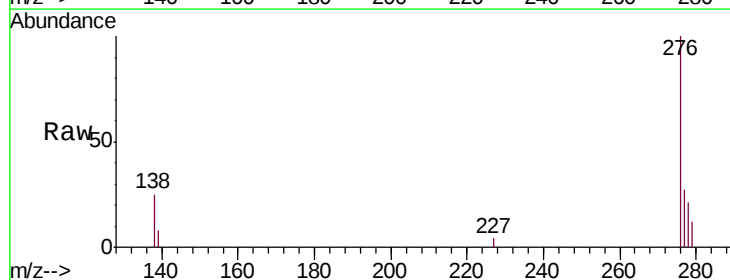
Tgt Ion:276 Resp: 5488

Ion Ratio Lower Upper

276 100

138 21.9 22.4 33.6#

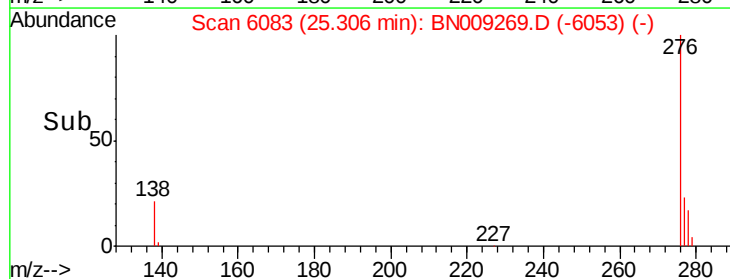
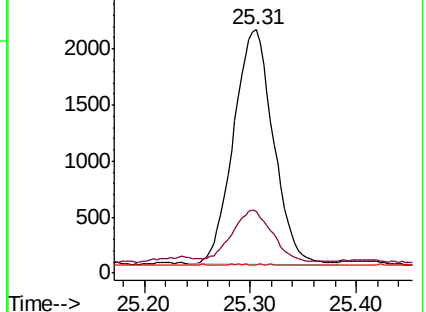
227 0.1 0.2 0.4#

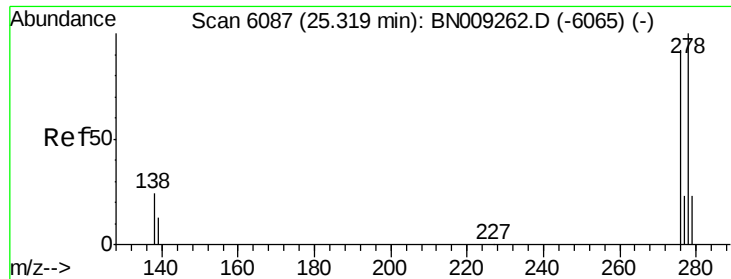


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.045 ng/u1

RT: 25.31 min Scan# 6084

Delta R.T. -0.01 min

Lab File: BN009269.D

Acq: 30 Dec 2019 20:42

Instrument :

BNA_N

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C0C94DL

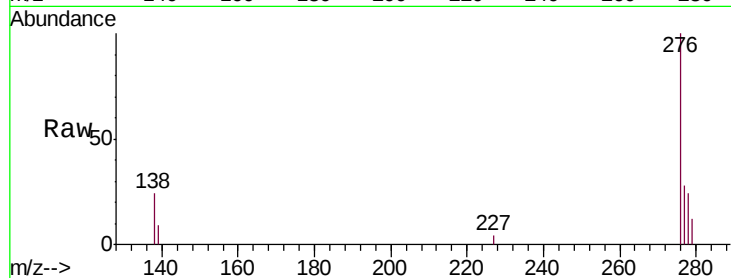
Tgt Ion:278 Resp: 1190

Ion Ratio Lower Upper

278 100

139 36.8 16.2 24.2#

279 52.2 20.3 30.5#

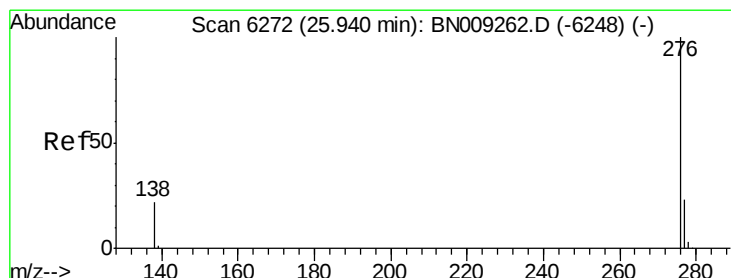
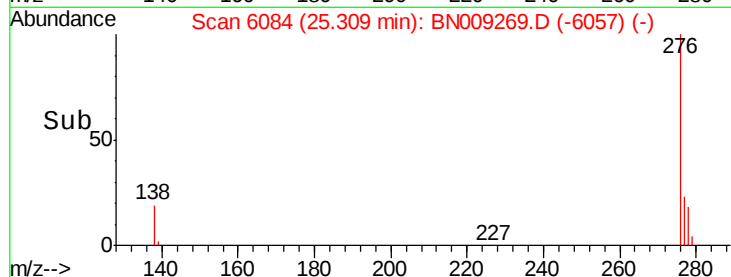
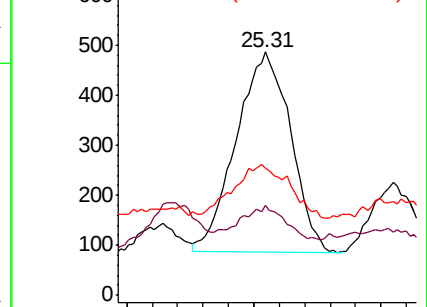


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

25.31



#26

Benzo(g,h,i)perylene

Concen: 0.194 ng/u1

RT: 25.93 min Scan# 6270

Delta R.T. -0.01 min

Lab File: BN009269.D

Acq: 30 Dec 2019 20:42

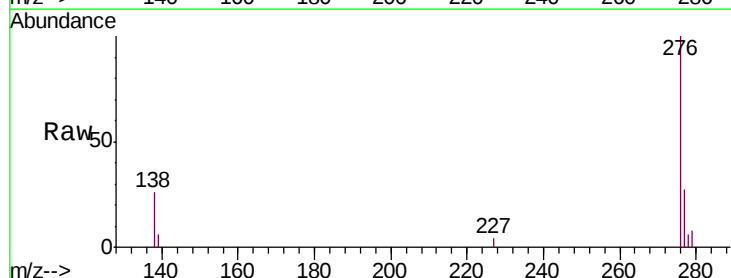
Tgt Ion:276 Resp: 5502

Ion Ratio Lower Upper

276 100

138 26.2 20.6 30.8

277 26.6 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

25.93

