

Data File : BN009267.D
Acq On : 30 Dec 2019 19:31
Operator : JU
Sample : K6322-06DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0C40DL

Quant Time: Dec 31 01:04:01 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	2622	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	9477	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.13	164	4997	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.88	188	9685	0.40	ng/ul	0.00
16) Chrysene-d12	21.09	240	7516	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	7876	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	1183	0.07	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	2205	0.08	ng/ul	0.00

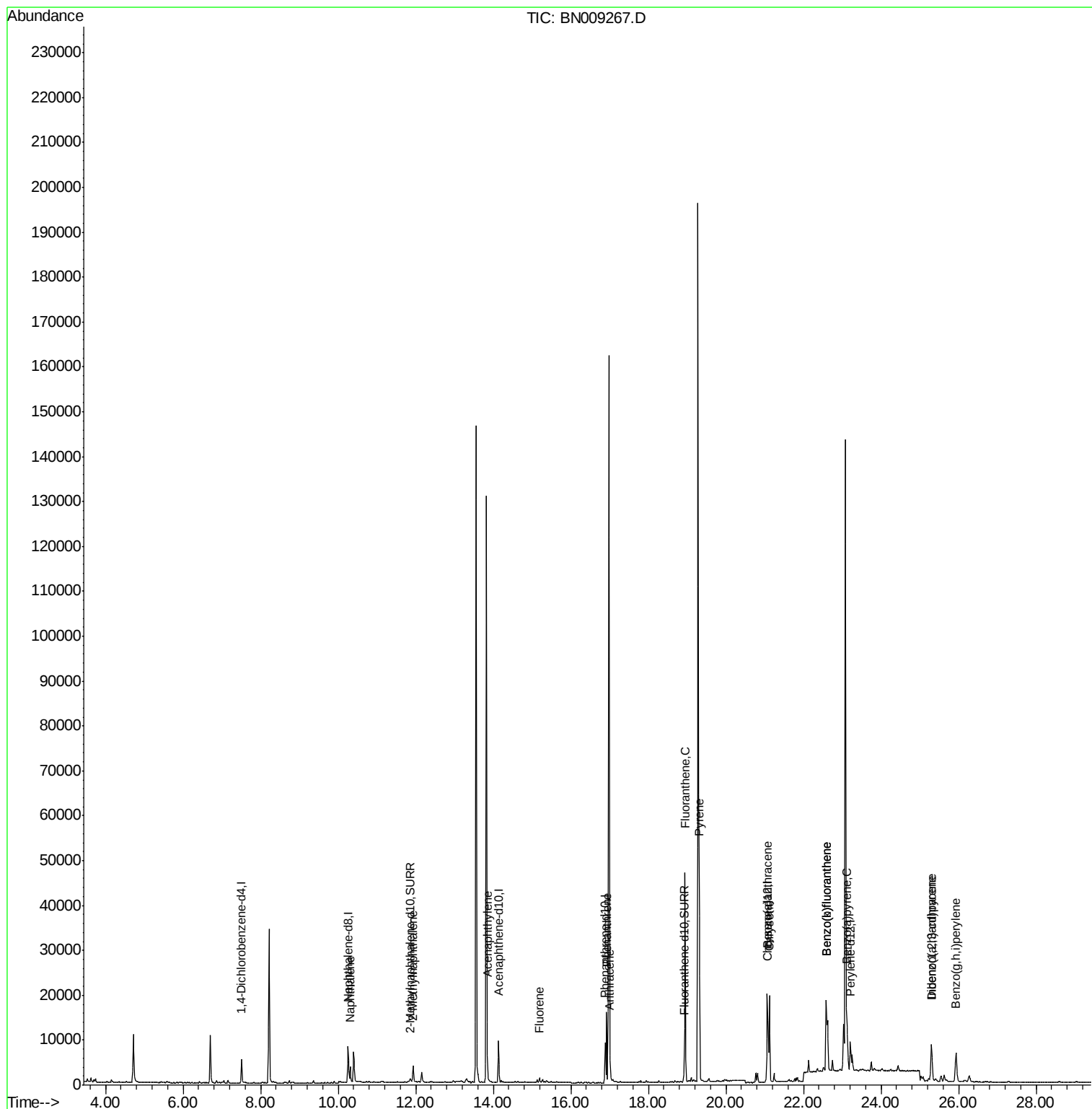
Target Compounds				Qvalue		
3) Naphthalene	10.31	128	4539	0.158	ng/ul	97
5) 2-Methylnaphthalene	11.93	142	2838	0.131	ng/ul	99
7) Acenaphthylene	13.85	152	2122	0.081	ng/ul#	93
9) Fluorene	15.19	166	638	0.026	ng/ul#	92
12) Phenanthrene	16.92	178	15647	0.465	ng/ul	100
13) Anthracene	17.02	178	3046	0.101	ng/ul	95
15) Fluoranthene	18.95	202	38016	0.987	ng/ul	99
17) Pyrene	19.31	202	33531	0.874	ng/ul	100
18) Benzo(a)anthracene	21.07	228	15479	0.464	ng/ul	97
19) Chrysene	21.12	228	18688	0.557	ng/ul	98
21) Benzo(b)fluoranthene	22.59	252	34115	0.928	ng/ul	99
22) Benzo(k)fluoranthene	22.59	252	34115	0.920	ng/ul	99
23) Benzo(a)pyrene	23.12	252	16157	0.501	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.30	276	12109	0.345	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.31	278	2757	0.099	ng/ul#	74
26) Benzo(g,h,i)perylene	25.94	276	12065	0.408	ng/ul	99

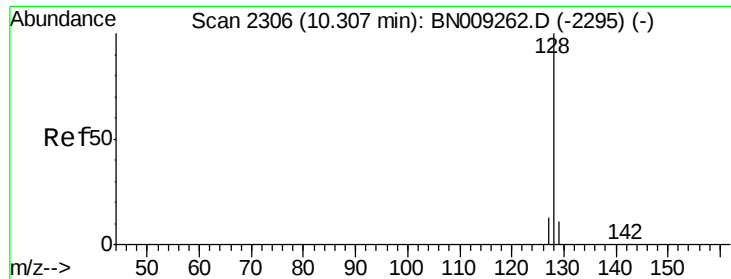
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Naphthalene

Concen: 0.158 ng/ul

RT: 10.31 min Scan# 2306

Delta R.T. -0.00 min

Lab File: BN009267.D

Acq: 30 Dec 2019 19:31

Instrument :

BNA_N

ClientSampleId :

C0C40DL

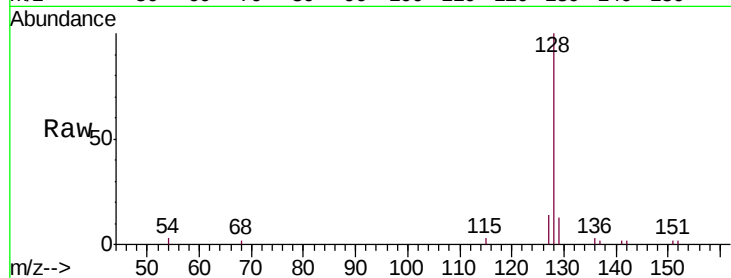
Tgt Ion:128 Resp: 4539

Ion Ratio Lower Upper

128 100

129 13.0 9.0 13.4

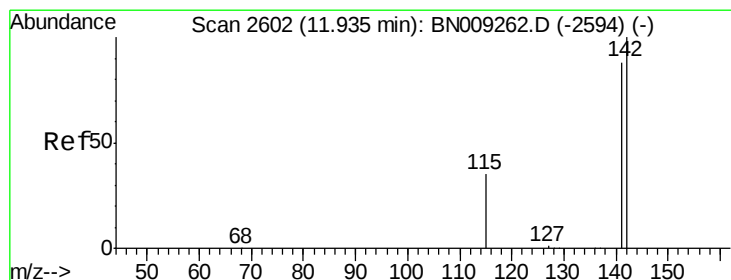
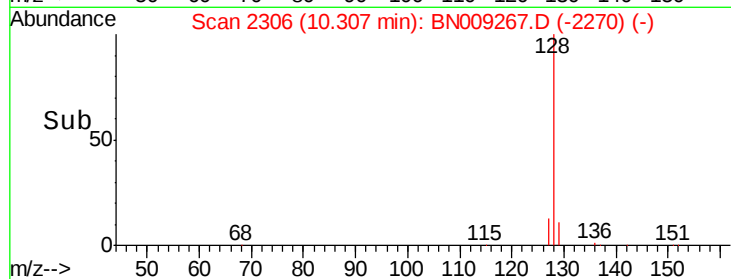
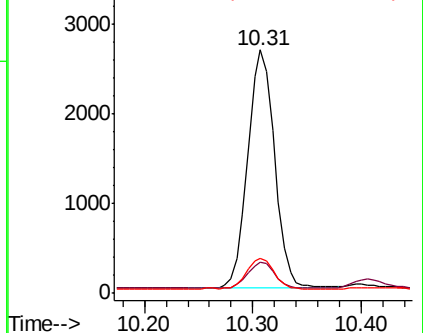
127 14.5 10.9 16.3



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: 0.131 ng/ul

RT: 11.93 min Scan# 2601

Delta R.T. -0.01 min

Lab File: BN009267.D

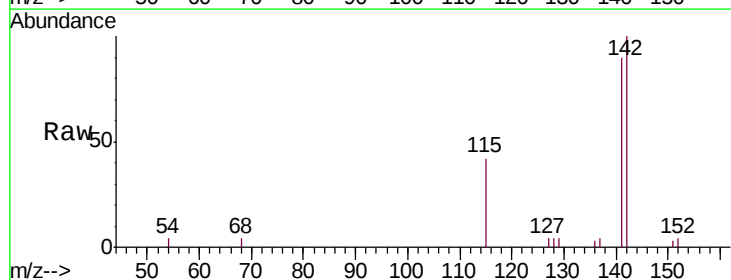
Acq: 30 Dec 2019 19:31

Tgt Ion:142 Resp: 2838

Ion Ratio Lower Upper

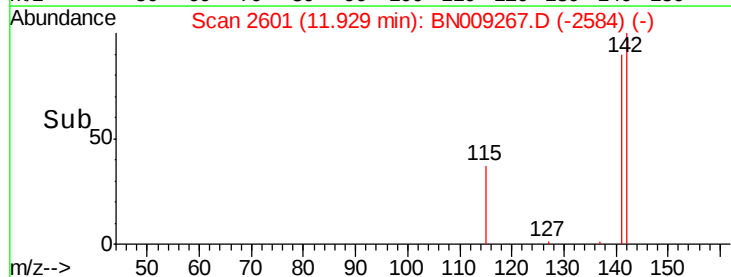
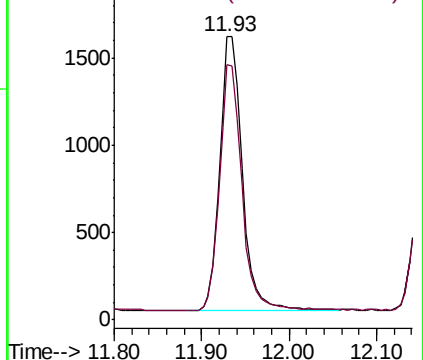
142 100

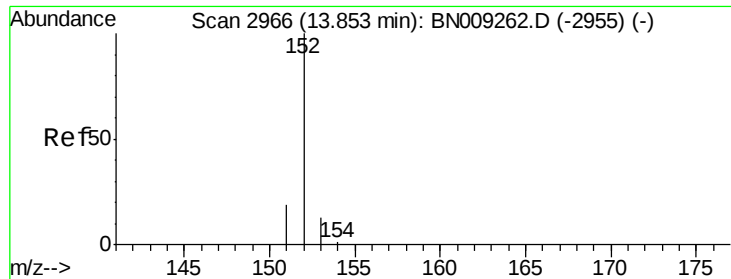
141 88.4 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.081 ng/ul

RT: 13.85 min Scan# 2966

Delta R.T. -0.00 min

Lab File: BN009267.D

Acq: 30 Dec 2019 19:31

Instrument :

BNA_N

ClientSampleId :

C0C40DL

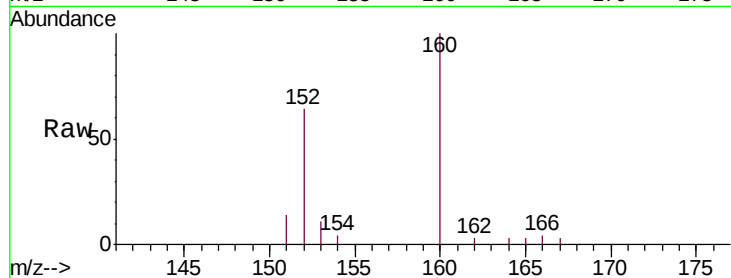
Tgt Ion:152 Resp: 2122

Ion Ratio Lower Upper

152 100

151 22.3 15.7 23.5

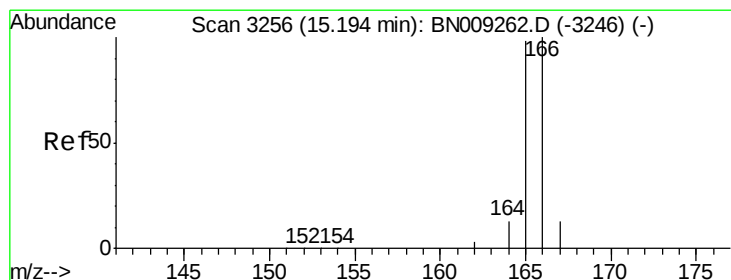
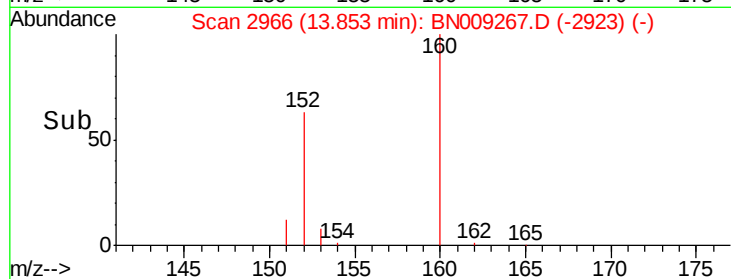
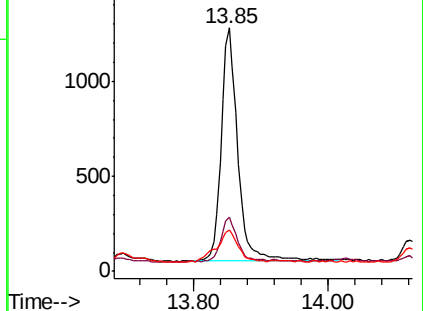
153 16.9 10.8 16.2#



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: 0.026 ng/ul

RT: 15.19 min Scan# 3256

Delta R.T. -0.00 min

Lab File: BN009267.D

Acq: 30 Dec 2019 19:31

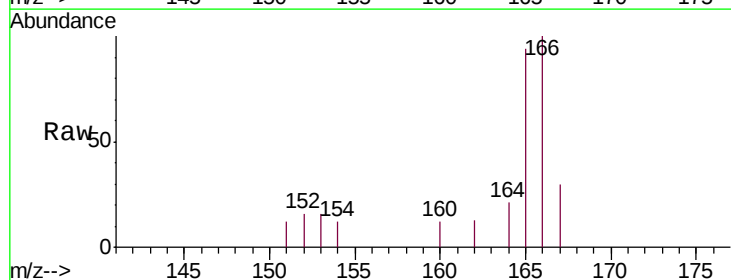
Tgt Ion:166 Resp: 638

Ion Ratio Lower Upper

166 100

165 94.3 78.2 117.4

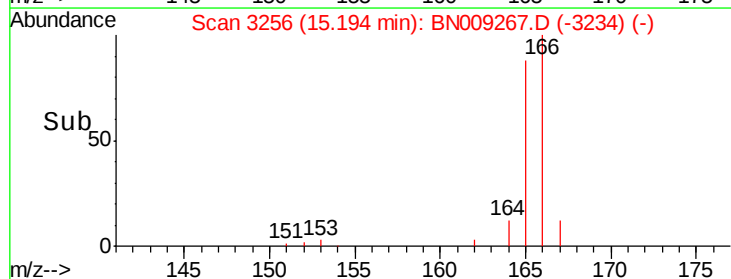
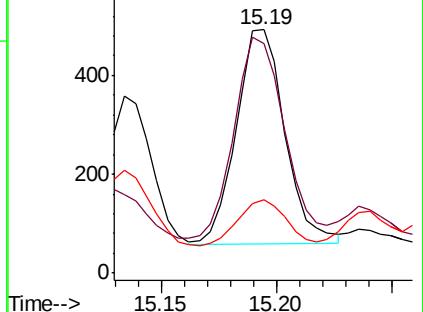
167 30.0 11.0 16.6#

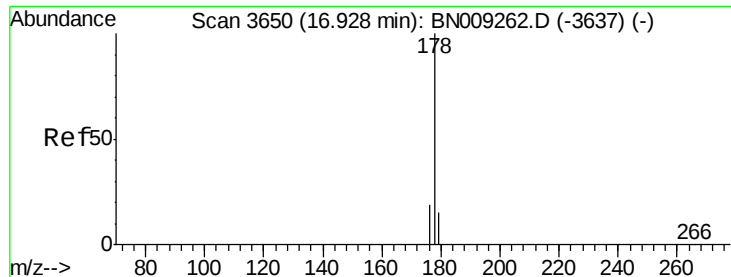


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.465 ng/ul

RT: 16.92 min Scan# 3649

Delta R.T. -0.00 min

Lab File: BN009267.D

Acq: 30 Dec 2019 19:31

Instrument :

BNA_N

ClientSampleId :

C0C40DL

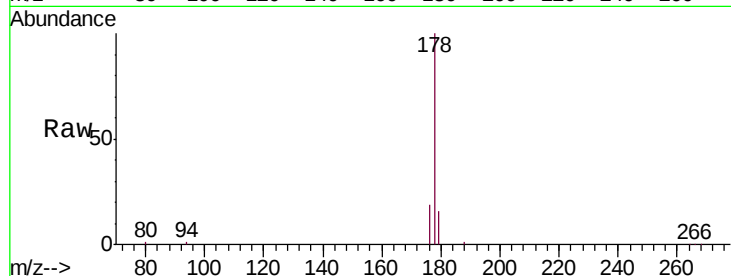
Tgt Ion:178 Resp: 15647

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

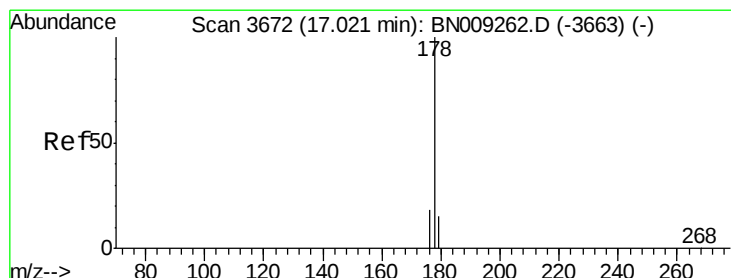
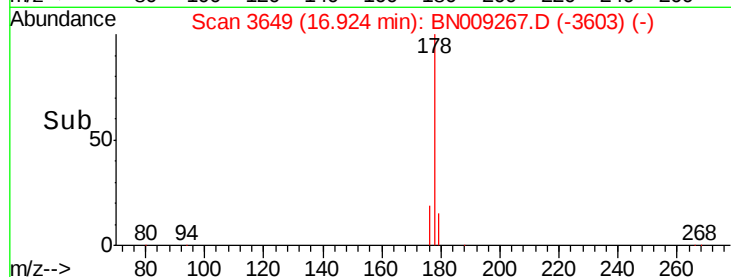
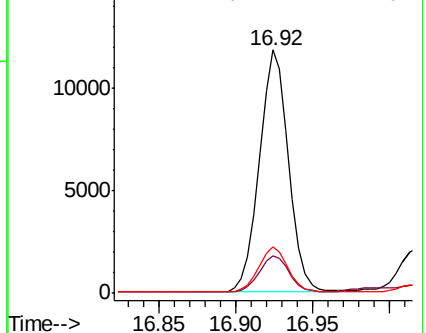
176 19.1 15.1 22.7



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: 0.101 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN009267.D

Acq: 30 Dec 2019 19:31

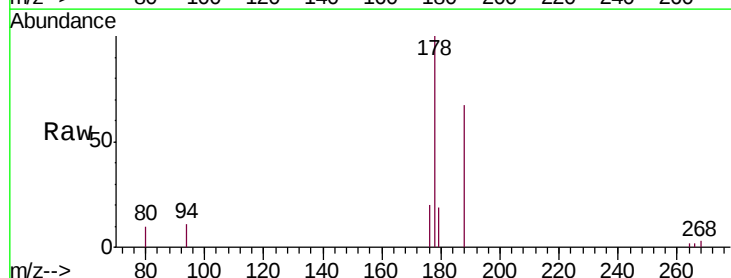
Tgt Ion:178 Resp: 3046

Ion Ratio Lower Upper

178 100

179 18.5 12.5 18.7

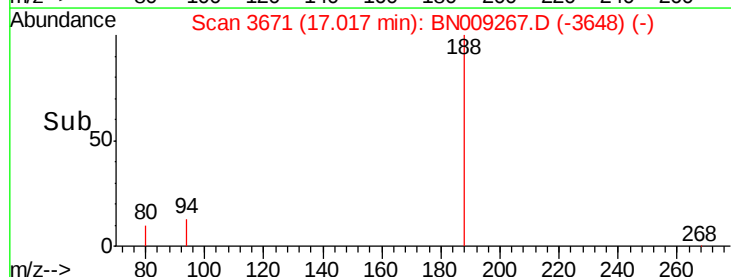
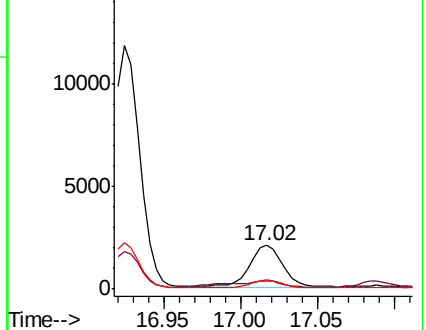
176 20.1 14.9 22.3

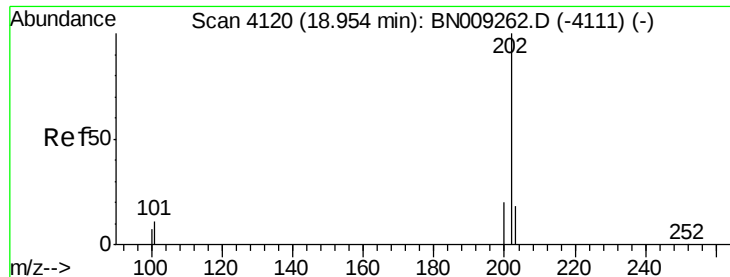


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.987 ng/ul

RT: 18.95 min Scan# 4119

Delta R.T. -0.00 min

Lab File: BN009267.D

Acq: 30 Dec 2019 19:31

Instrument :

BNA_N

ClientSampleId :

C0C40DL

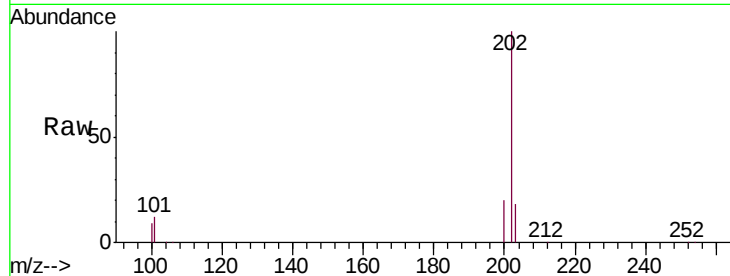
Tgt Ion:202 Resp: 38016

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.5

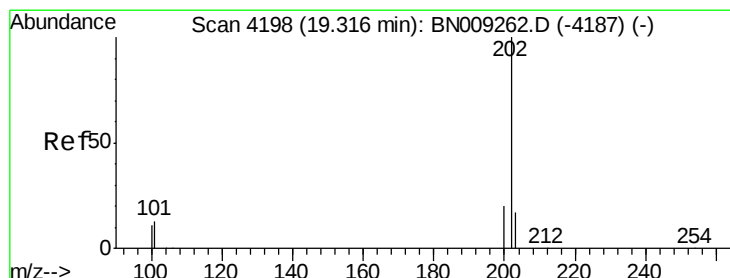
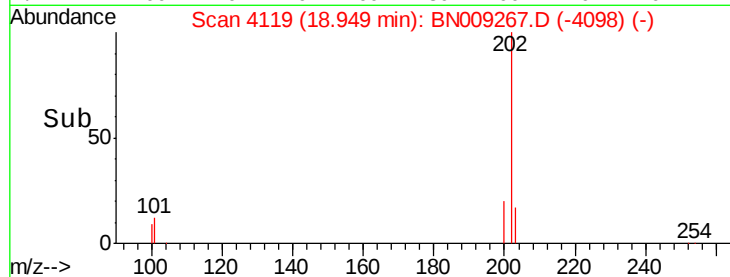
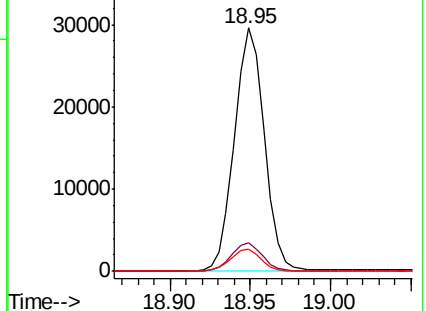
100 9.0 0.0 28.9



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: 0.874 ng/ul

RT: 19.31 min Scan# 4197

Delta R.T. -0.00 min

Lab File: BN009267.D

Acq: 30 Dec 2019 19:31

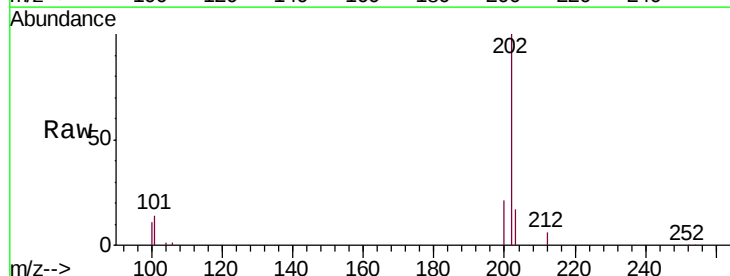
Tgt Ion:202 Resp: 33531

Ion Ratio Lower Upper

202 100

101 13.7 10.9 16.3

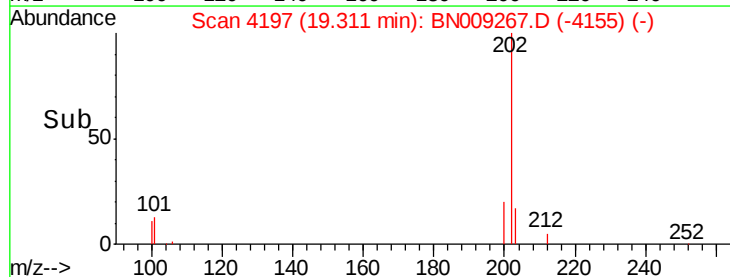
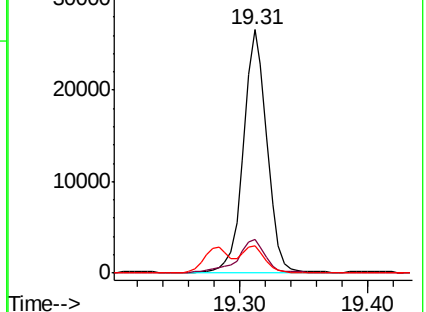
100 11.2 9.0 13.6

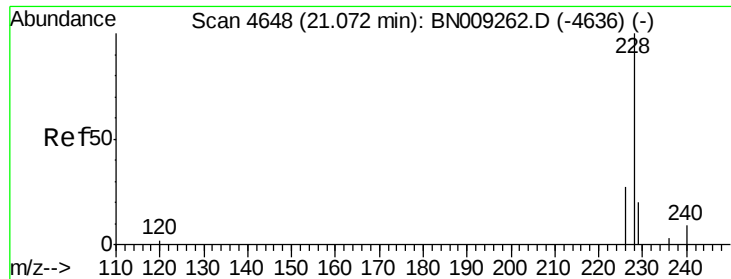


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.464 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.00 min

Lab File: BN009267.D

Acq: 30 Dec 2019 19:31

Instrument :

BNA_N

ClientSampleId :

C0C40DL

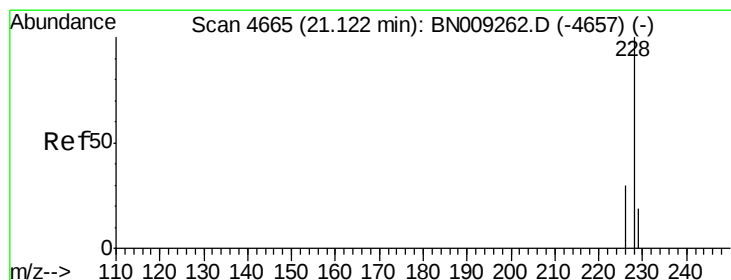
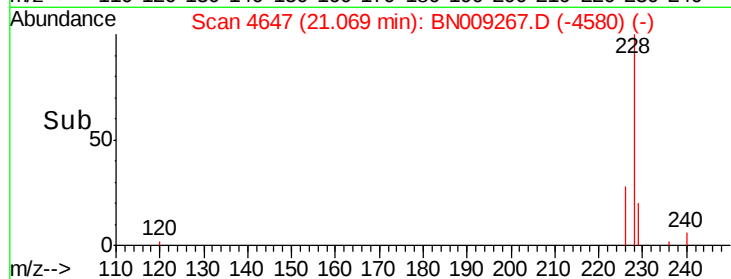
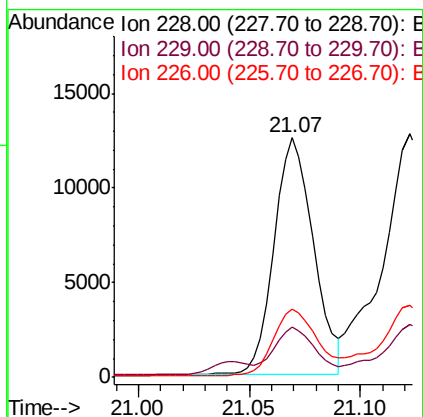
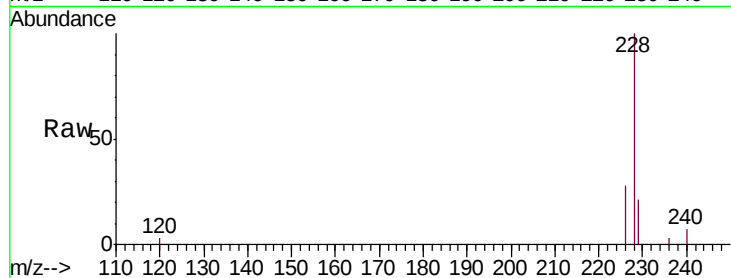
Tgt Ion:228 Resp: 15479

Ion Ratio Lower Upper

228 100

229 20.9 15.5 23.3

226 28.4 21.7 32.5



#19

Chrysene

Concen: 0.557 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. -0.00 min

Lab File: BN009267.D

Acq: 30 Dec 2019 19:31

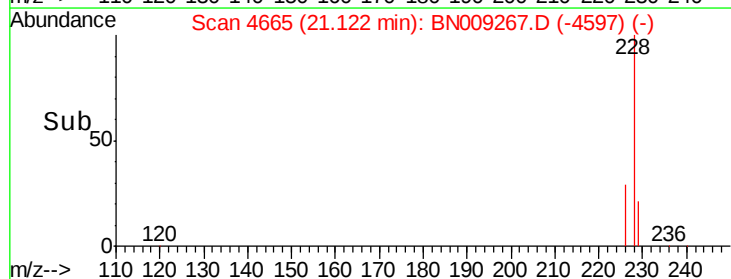
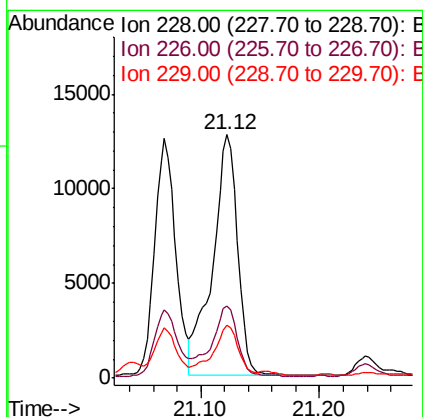
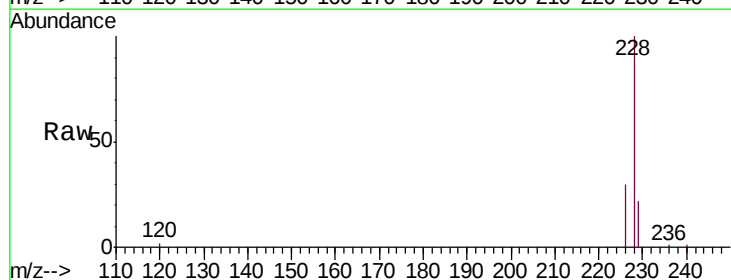
Tgt Ion:228 Resp: 18688

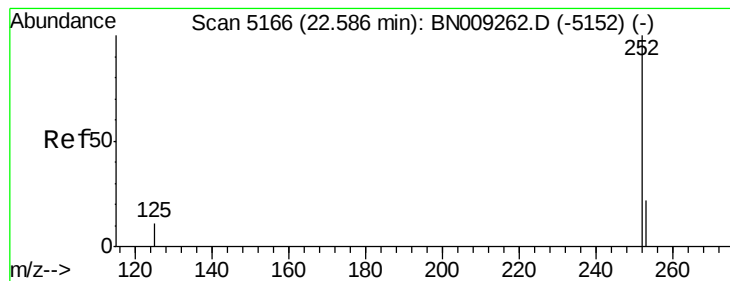
Ion Ratio Lower Upper

228 100

226 29.6 23.7 35.5

229 22.0 15.4 23.0





#21

Benzo(b)fluoranthene

Concen: 0.928 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. -0.00 min

Lab File: BN009267.D

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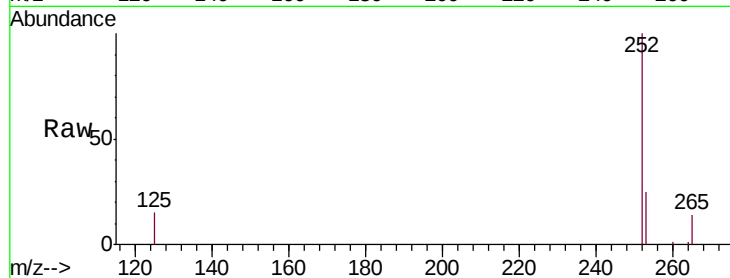
Tgt Ion:252 Resp: 34115

Ion Ratio Lower Upper

252 100

253 24.7 0.0 48.2

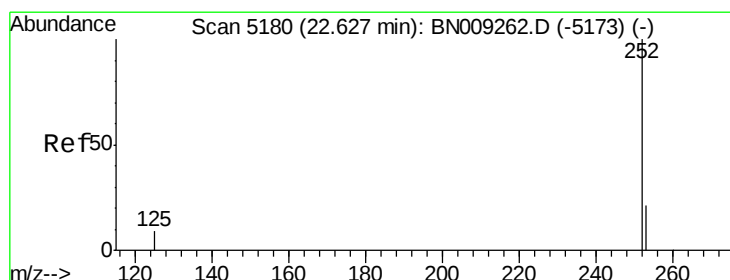
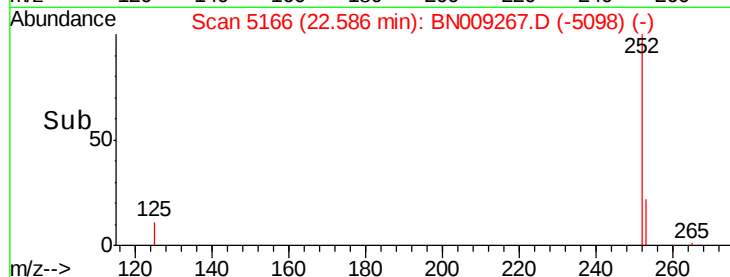
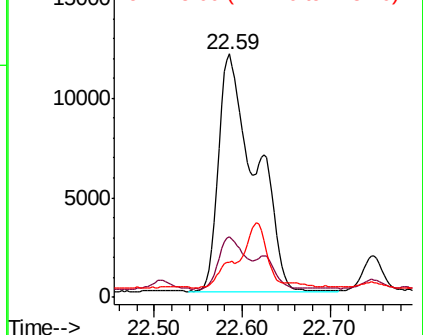
125 14.6 0.0 30.0



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: 0.920 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. -0.04 min

Lab File: BN009267.D

Acq: 30 Dec 2019 19:31

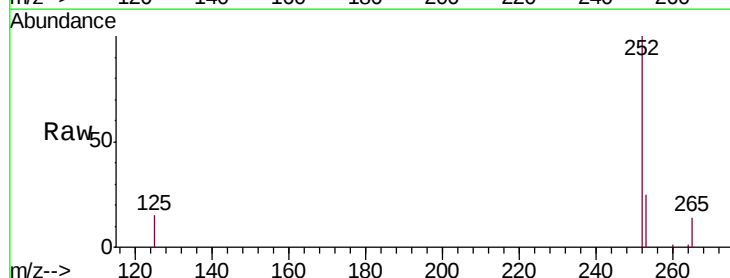
Tgt Ion:252 Resp: 34115

Ion Ratio Lower Upper

252 100

253 24.7 19.4 29.0

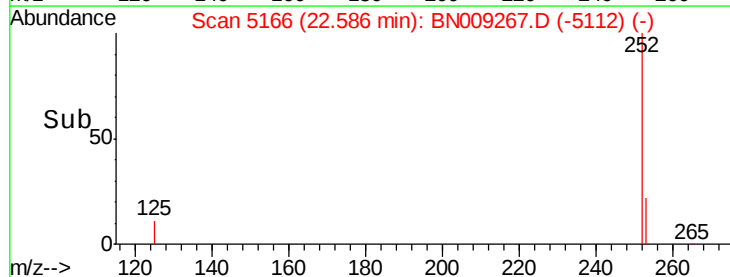
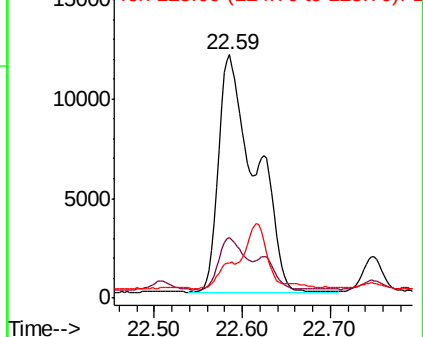
125 14.6 12.4 18.6

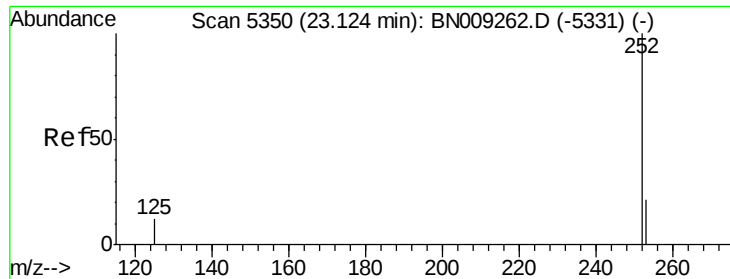


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.501 ng/ul

RT: 23.12 min Scan# 5349

Delta R.T. -0.00 min

Lab File: BN009267.D

Acq: 30 Dec 2019 19:31

Instrument :

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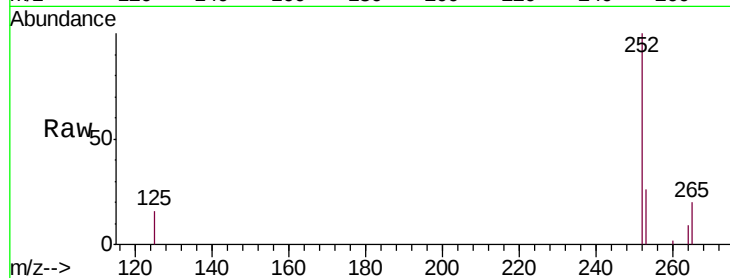
Tgt Ion:252 Resp: 16157

Ion Ratio Lower Upper

252 100

253 25.8 20.2 30.4

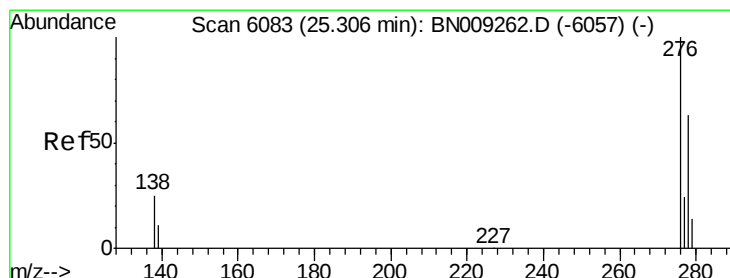
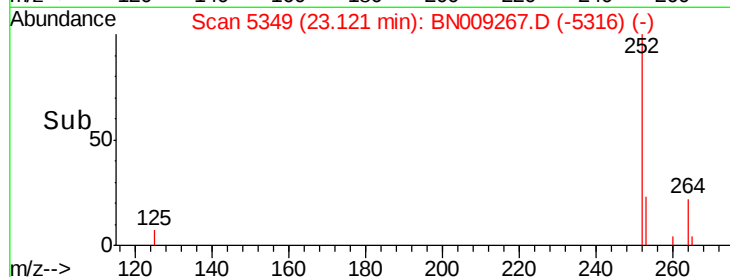
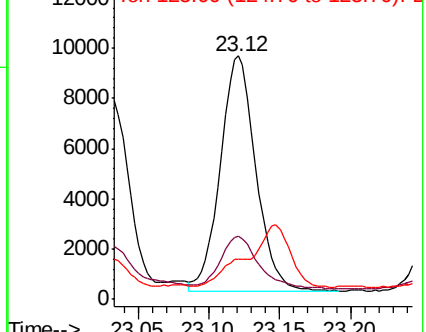
125 16.4 13.2 19.8



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: 0.345 ng/ul

RT: 25.30 min Scan# 6081

Delta R.T. -0.01 min

Lab File: BN009267.D

Acq: 30 Dec 2019 19:31

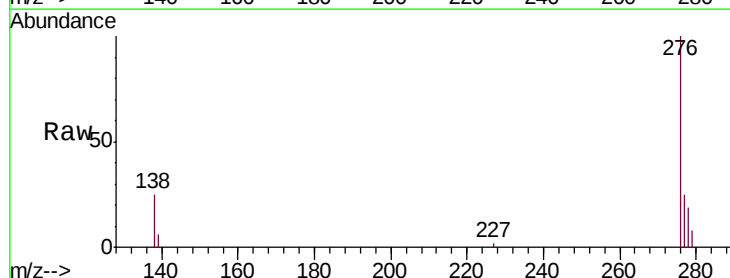
Tgt Ion:276 Resp: 12109

Ion Ratio Lower Upper

276 100

138 22.3 22.4 33.6#

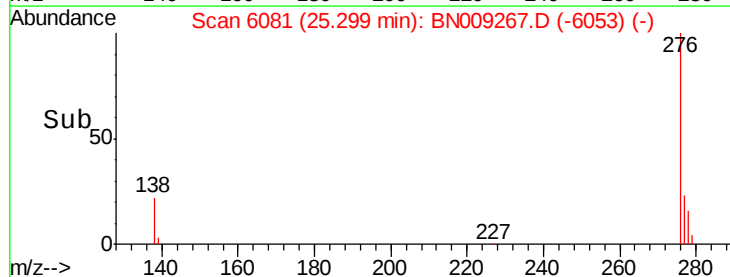
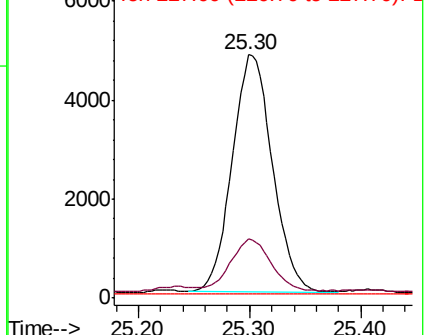
227 0.1 0.2 0.4#

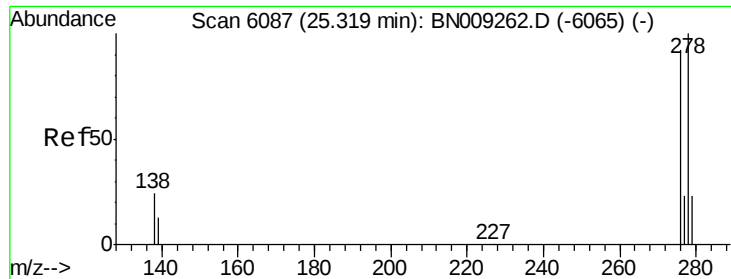


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.099 ng/ul

RT: 25.31 min Scan# 6084

Delta R.T. -0.01 min

Lab File: BN009267.D

Acq: 30 Dec 2019 19:31

Instrument :

BNA_N

ClientSampleId :

C0C40DL

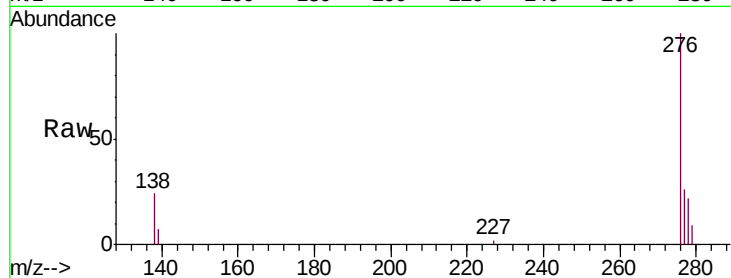
Tgt Ion: 278 Resp: 2757

Ion Ratio Lower Upper

278 100

139 29.9 16.2 24.2#

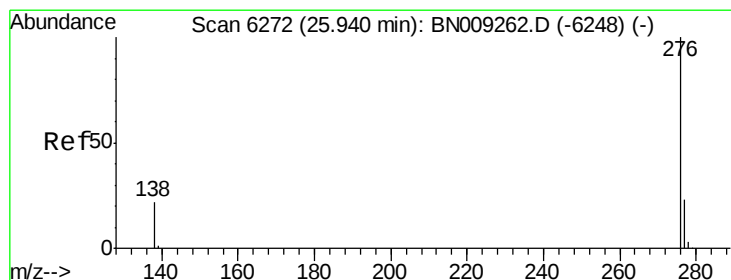
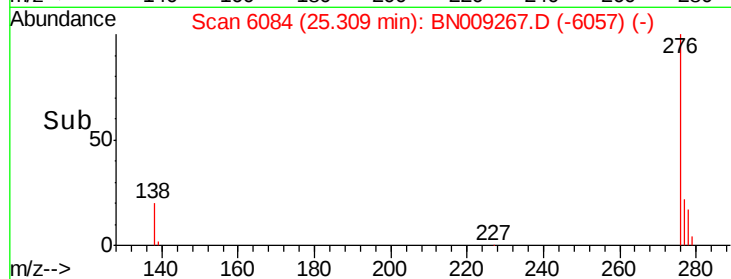
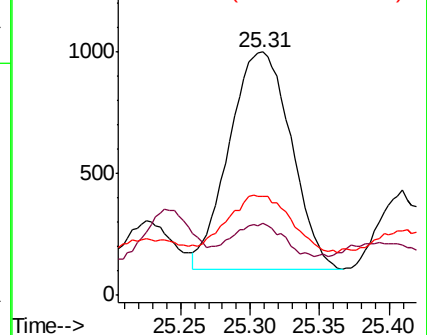
279 40.4 20.3 30.5#



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: 0.408 ng/ul

RT: 25.94 min Scan# 6271

Delta R.T. -0.00 min

Lab File: BN009267.D

Acq: 30 Dec 2019 19:31

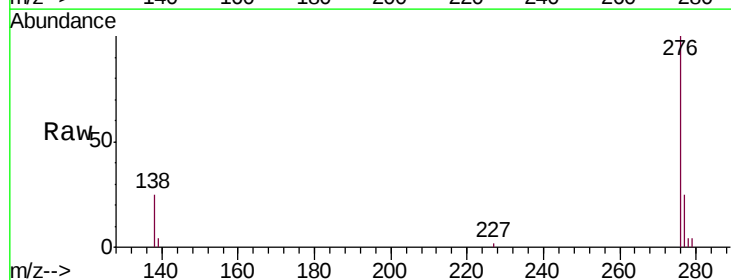
Tgt Ion: 276 Resp: 12065

Ion Ratio Lower Upper

276 100

138 25.0 20.6 30.8

277 24.5 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

