

Data File : BN009069.D
Acq On : 20 Dec 2019 15:42
Operator : JU
Sample : K6171-07DL 5X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0BS9DL

Quant Time: Dec 20 22:58:05 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 : Fri Dec 20 22:55:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	4037	0.40	ng/ul	0.00
2) Naphthalene-d8	10.29	136	15430	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.17	164	8205	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.91	188	16204	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	9018	0.40	ng/ul	0.00
20) Perylene-d12	23.26	264	8315	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.89	152	1281	0.05	ng/ul	0.00
14) Fluoranthene-d10	18.95	212	2337	0.05	ng/ul	0.00

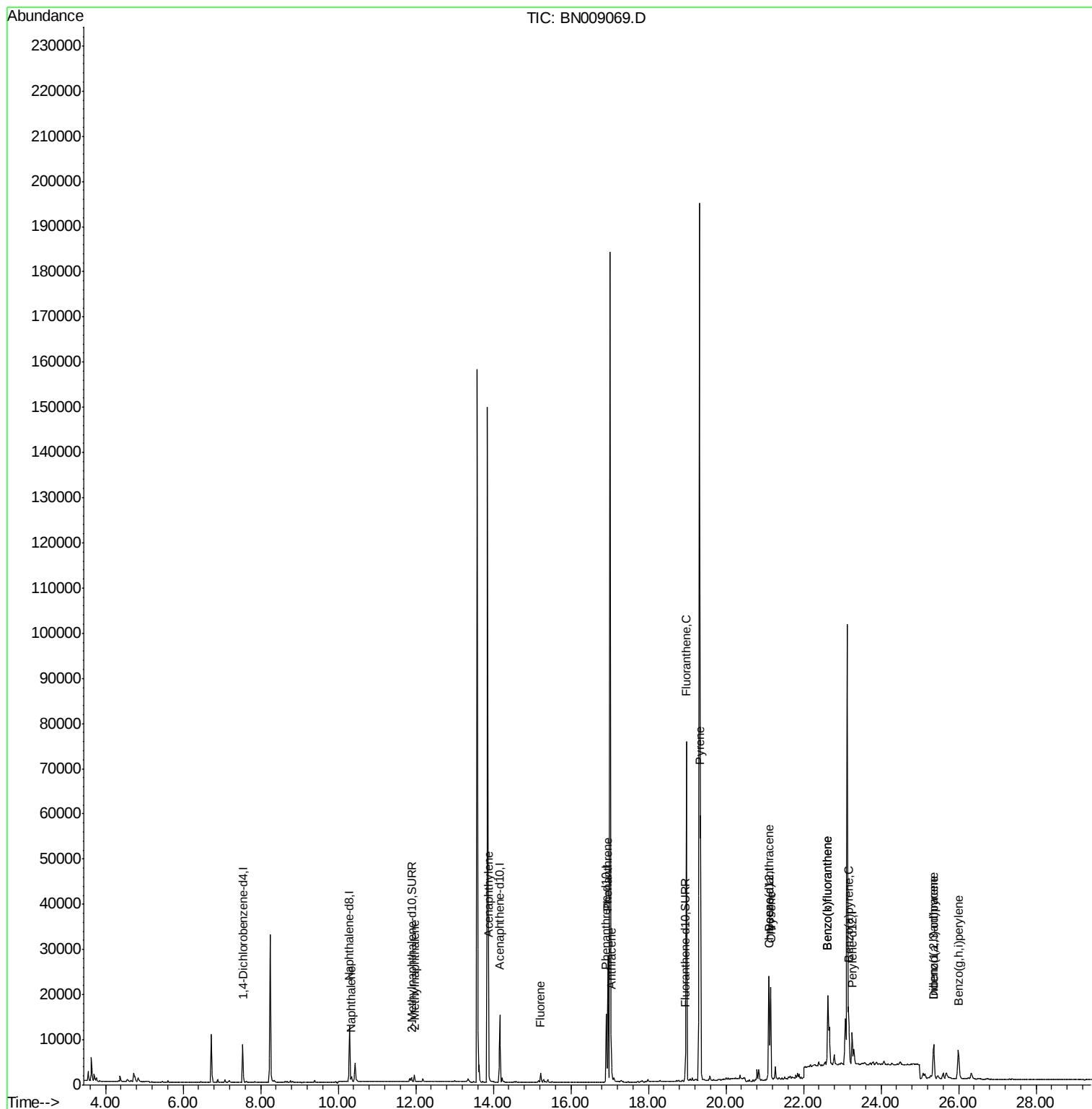
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.34	128	1421	0.030	ng/ul#	87
5) 2-Methylnaphthalene	11.96	142	1093	0.031	ng/ul	96
7) Acenaphthylene	13.88	152	1295	0.030	ng/ul#	87
9) Fluorene	15.22	166	1270	0.032	ng/ul#	98
12) Phenanthrene	16.95	178	28019	0.497	ng/ul	100
13) Anthracene	17.04	178	4441	0.088	ng/ul	96
15) Fluoranthene	18.98	202	61479	0.954	ng/ul	98
17) Pyrene	19.34	202	48600	1.056	ng/ul	99
18) Benzo(a)anthracene	21.10	228	17873	0.446	ng/ul	96
19) Chrysene	21.15	228	20334	0.505	ng/ul	96
21) Benzo(b)fluoranthene	22.63	252	31782	0.819	ng/ul	94
22) Benzo(k)fluoranthene	22.63	252	31734	0.811	ng/ul	94
23) Benzo(a)pyrene	23.16	252	15659	0.460	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.36	276	11189	0.302	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.36	278	2660	0.090	ng/ul#	59
26) Benzo(g,h,i)perylene	25.99	276	12128	0.389	ng/ul	96

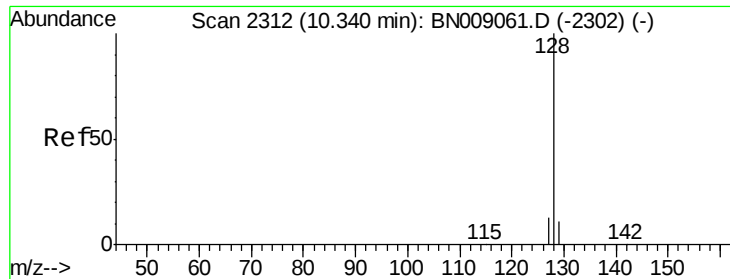
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.030 ng/ul

RT: 10.34 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BN009069.D

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Instrument :

BNA_N

ClientSampleId :

C0BS9DL

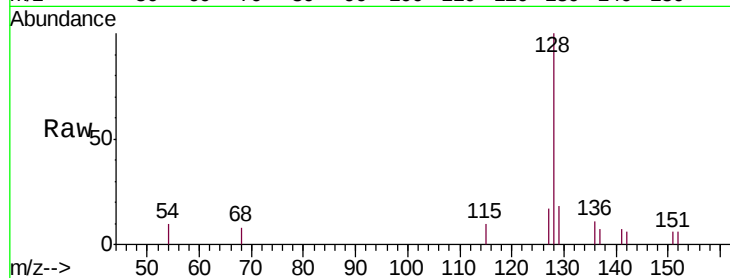
Tgt Ion:128 Resp: 1421

Ion Ratio Lower Upper

128 100

129 18.4 9.0 13.4#

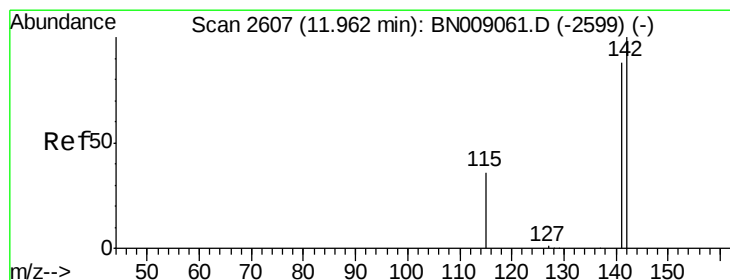
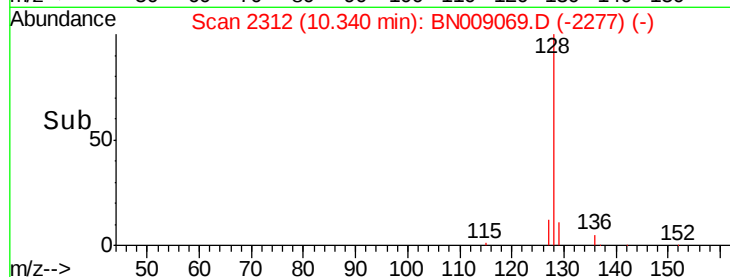
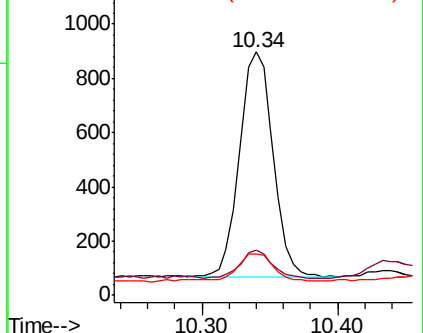
127 17.1 10.9 16.3#



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: 0.031 ng/ul

RT: 11.96 min Scan# 2607

Delta R.T. -0.01 min

Lab File: BN009069.D

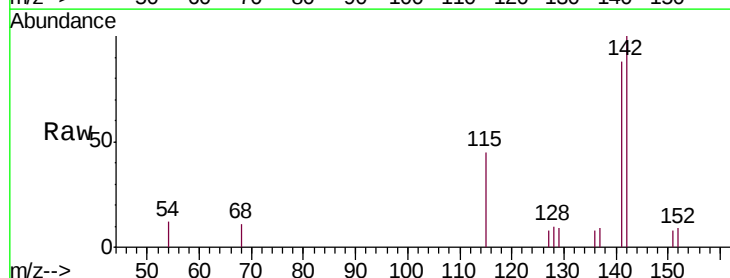
Acq: 20 Dec 2019 15:42

Tgt Ion:142 Resp: 1093

Ion Ratio Lower Upper

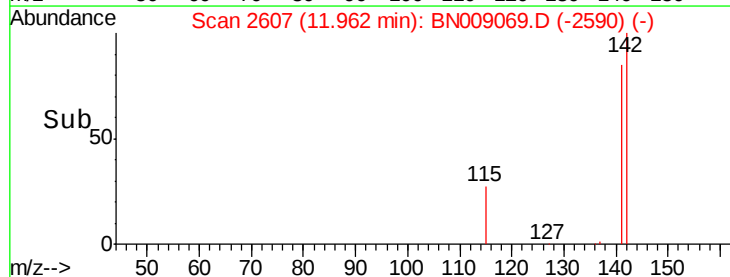
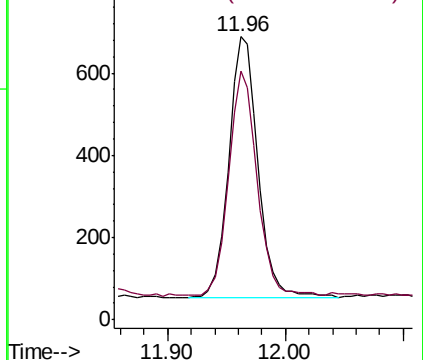
142 100

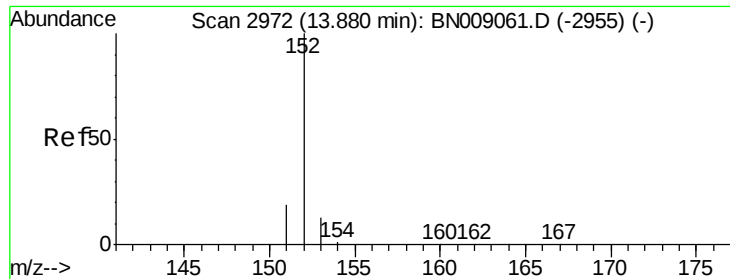
141 83.6 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.030 ng/ul

RT: 13.88 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BN009069.D

Acq: 20 Dec 2019 15:42

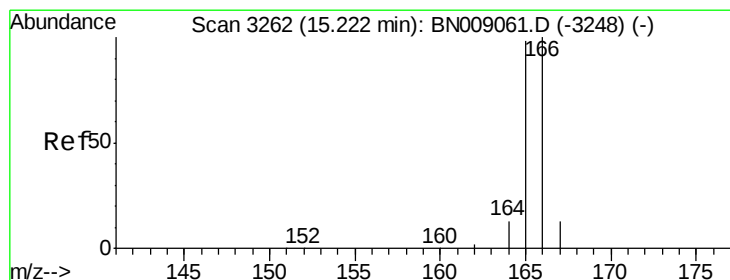
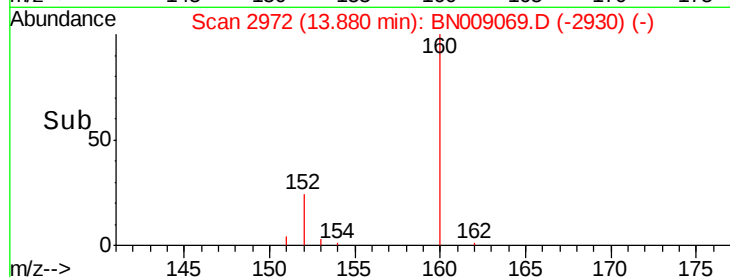
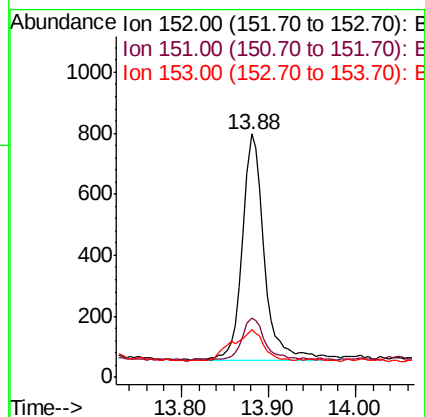
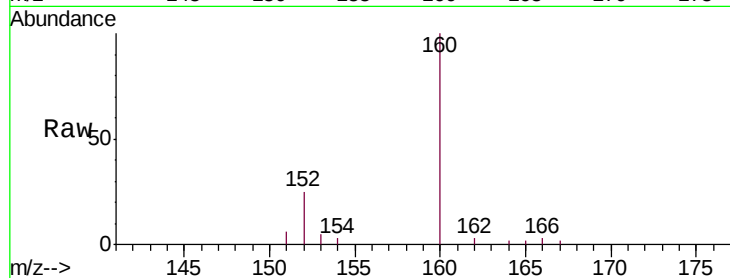
Instrument :

BNA_N

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Tgt Ion:	152	Resp:	1295
Ion	Ratio	Lower	Upper
152	100		
151	24.6	15.7	23.5#
153	19.8	10.8	16.2#



#9

Fluorene

Concen: 0.032 ng/ul

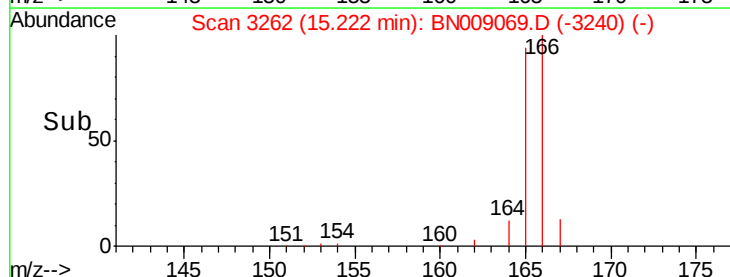
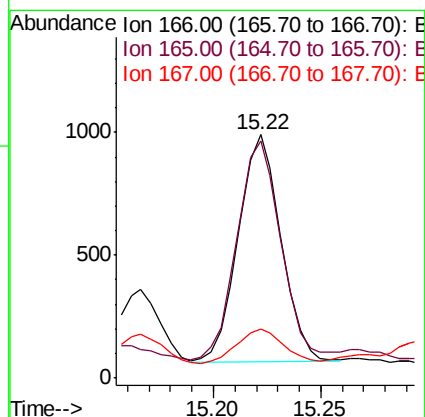
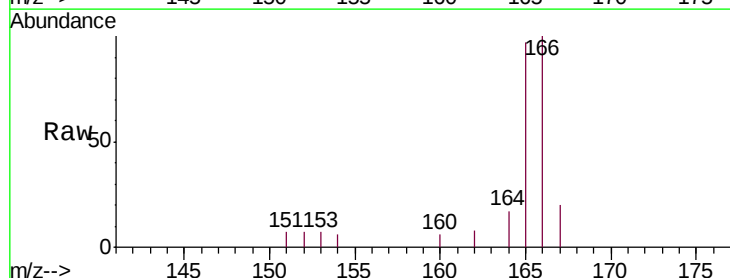
RT: 15.22 min Scan# 3262

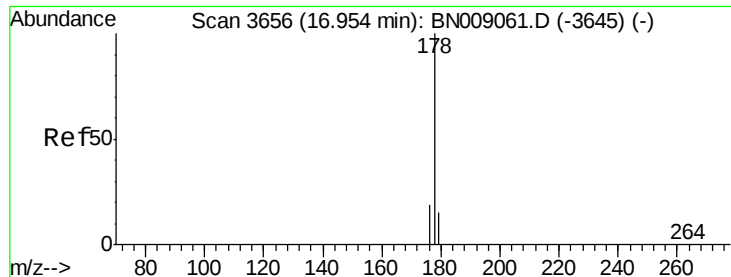
Delta R.T. -0.00 min

Lab File: BN009069.D

Acq: 20 Dec 2019 15:42

Tgt Ion:	166	Resp:	1270
Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.2	117.4
167	20.3	11.0	16.6#





#12

Phenanthrene

Concen: 0.497 ng/ul

RT: 16.95 min Scan# 3656

Delta R.T. -0.00 min

Lab File: BN009069.D

Acq: 20 Dec 2019 15:42

Instrument :

BNA_N

ClientSampleId :

C0BS9DL

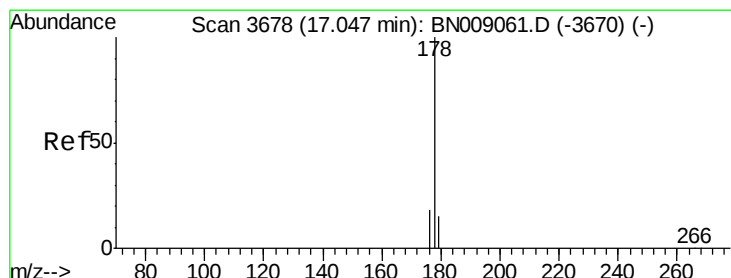
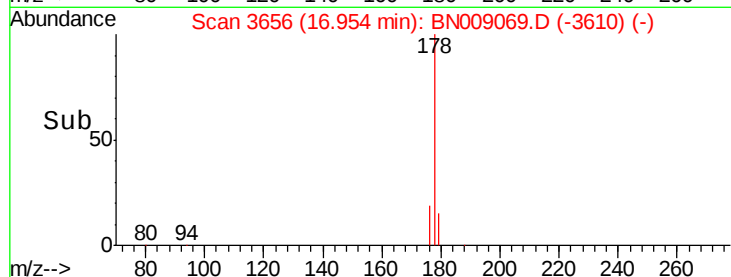
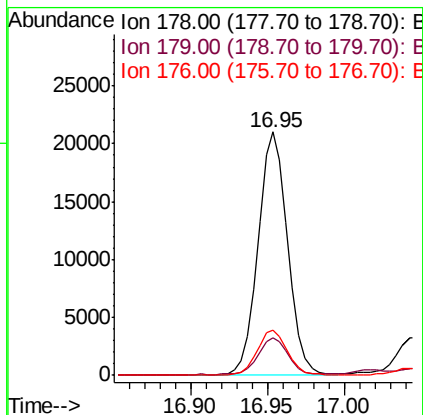
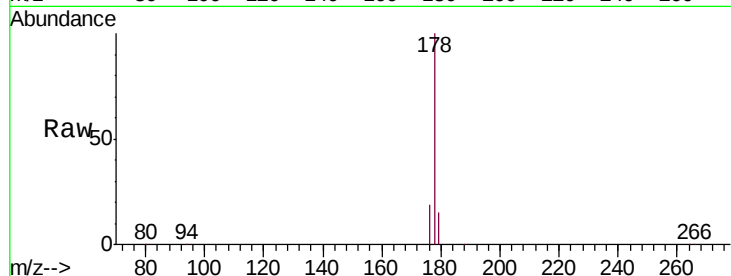
Tgt Ion:178 Resp: 28019

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

176 18.8 15.1 22.7



#13

Anthracene

Concen: 0.088 ng/ul

RT: 17.04 min Scan# 3677

Delta R.T. -0.00 min

Lab File: BN009069.D

Acq: 20 Dec 2019 15:42

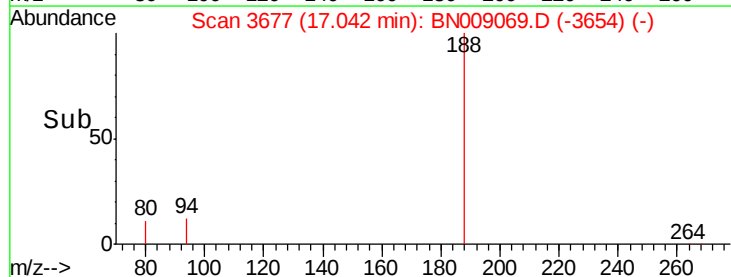
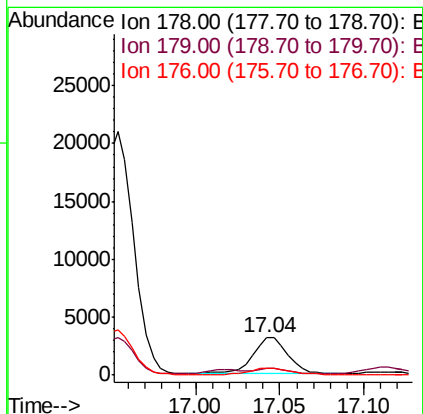
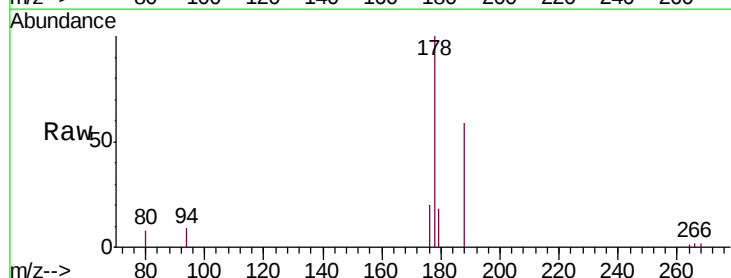
Tgt Ion:178 Resp: 4441

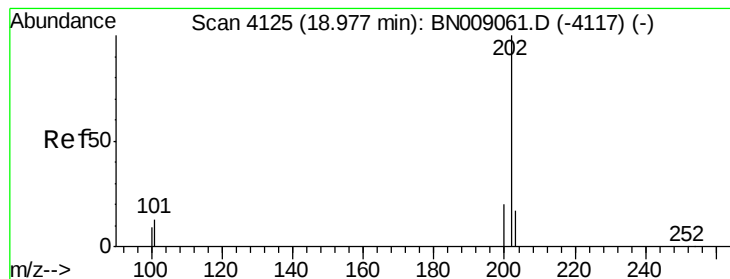
Ion Ratio Lower Upper

178 100

179 18.0 12.5 18.7

176 20.0 14.9 22.3





#15

Fluoranthene

Concen: 0.954 ng/ul

RT: 18.98 min Scan# 4125

Delta R.T. -0.00 min

Lab File: BN009069.D

Acq: 20 Dec 2019 15:42

Instrument :

BNA_N

ClientSampleId :

C0BS9DL

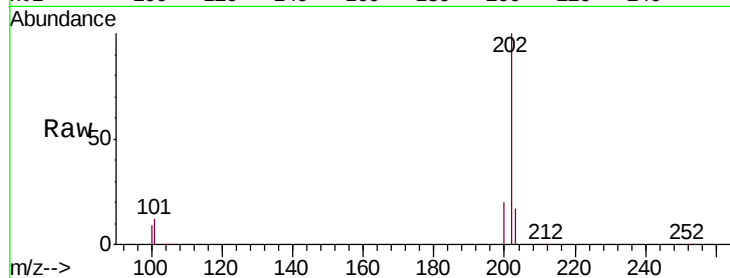
Tgt Ion:202 Resp: 61479

Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.5

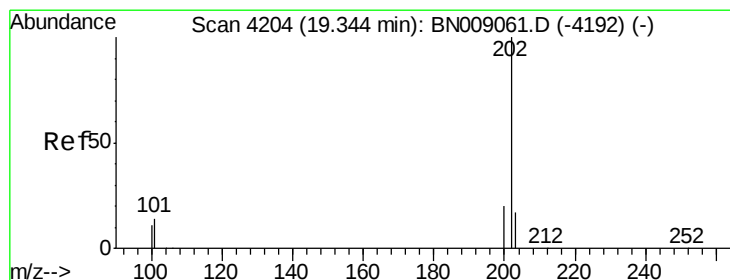
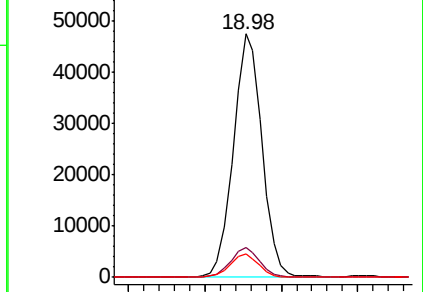
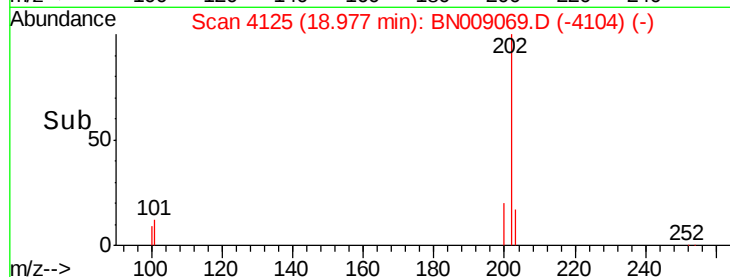
100 9.5 0.0 28.9



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: 1.056 ng/ul

RT: 19.34 min Scan# 4204

Delta R.T. -0.00 min

Lab File: BN009069.D

Acq: 20 Dec 2019 15:42

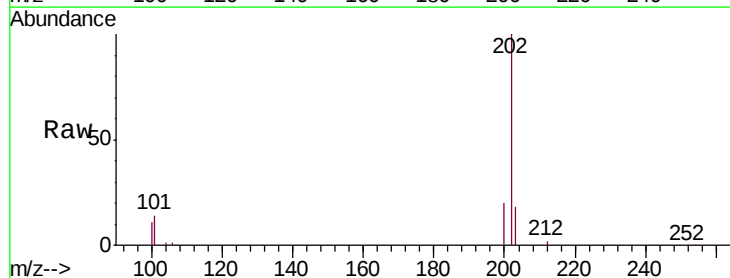
Tgt Ion:202 Resp: 48600

Ion Ratio Lower Upper

202 100

101 13.6 10.9 16.3

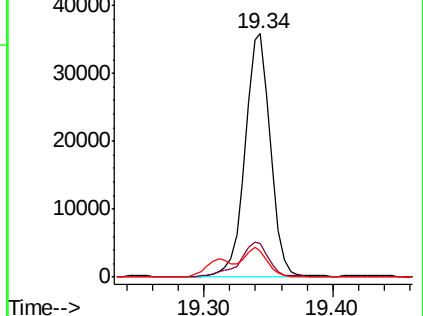
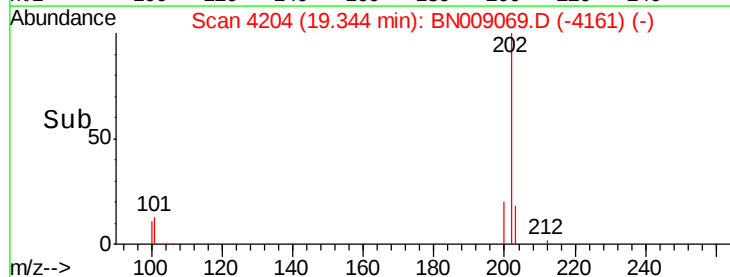
100 10.8 9.0 13.6

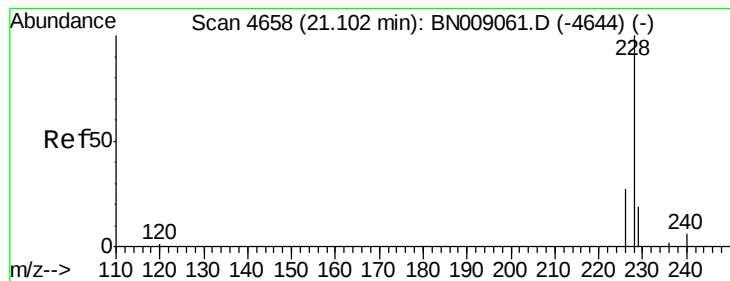


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.446 ng/ul

RT: 21.10 min Scan# 4658

Delta R.T. -0.00 min

Lab File: BN009069.D

Acq: 20 Dec 2019 15:42

Instrument :

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C0BS9DL

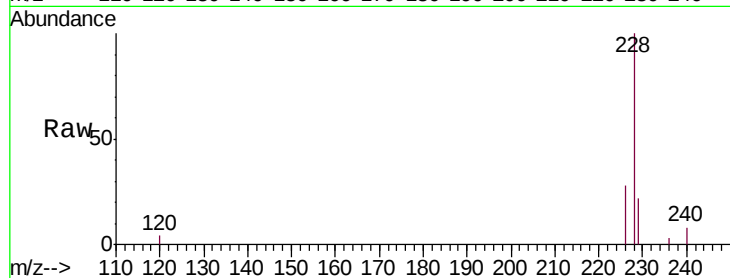
Tgt Ion:228 Resp: 17873

Ion Ratio Lower Upper

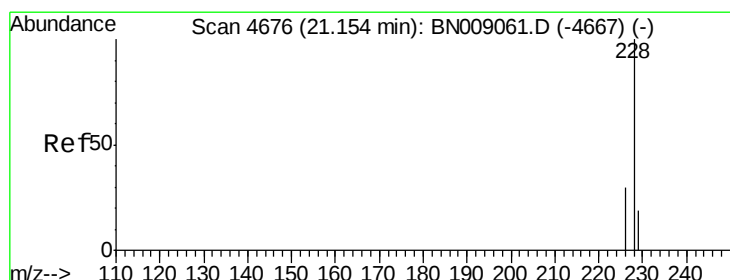
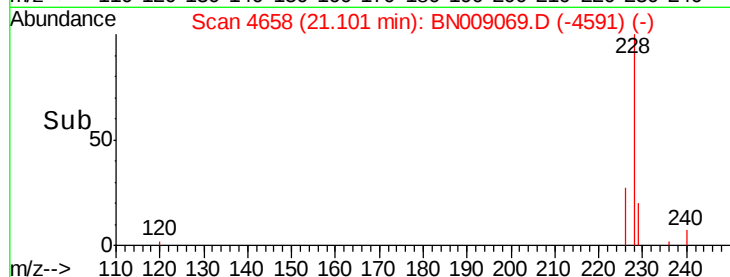
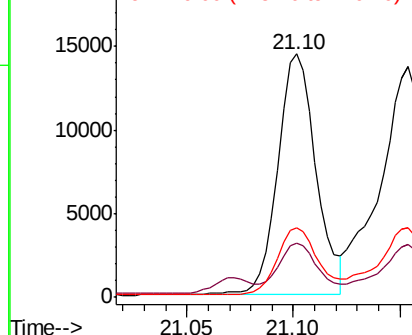
228 100

229 22.1 15.5 23.3

226 28.5 21.7 32.5



Abundance Ion 228.00 (227.70 to 228.70): E
20000
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 0.505 ng/ul

RT: 21.15 min Scan# 4676

Delta R.T. -0.00 min

Lab File: BN009069.D

Acq: 20 Dec 2019 15:42

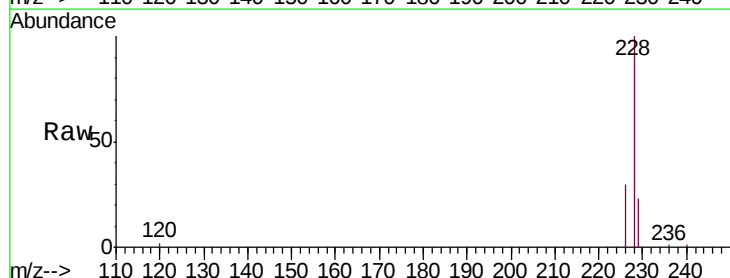
Tgt Ion:228 Resp: 20334

Ion Ratio Lower Upper

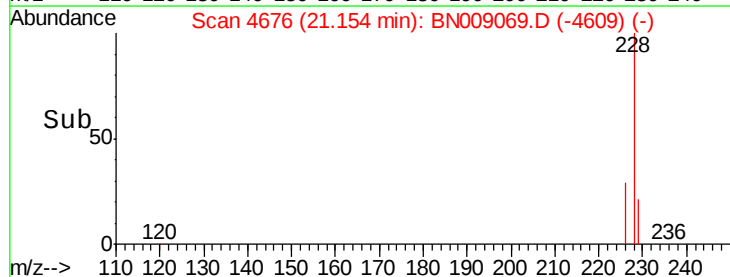
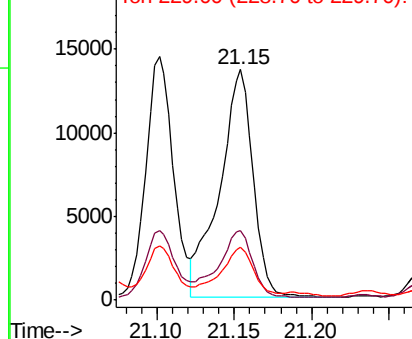
228 100

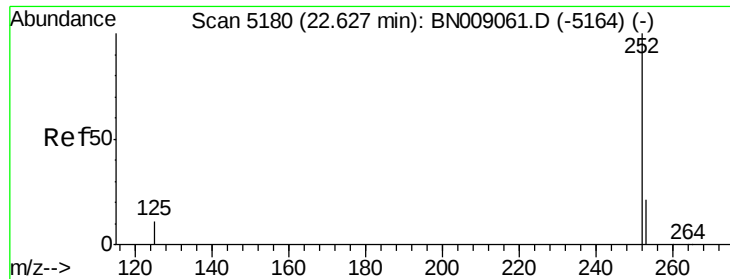
226 30.1 23.7 35.5

229 22.7 15.4 23.0



Abundance Ion 228.00 (227.70 to 228.70): E
20000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.819 ng/ul

RT: 22.63 min Scan# 5180

Delta R.T. -0.00 min

Lab File: BN009069.D

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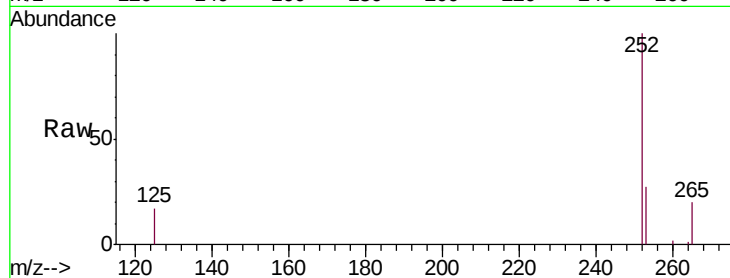
Tgt Ion:252 Resp: 31782

Ion Ratio Lower Upper

252 100

253 27.4 0.0 48.2

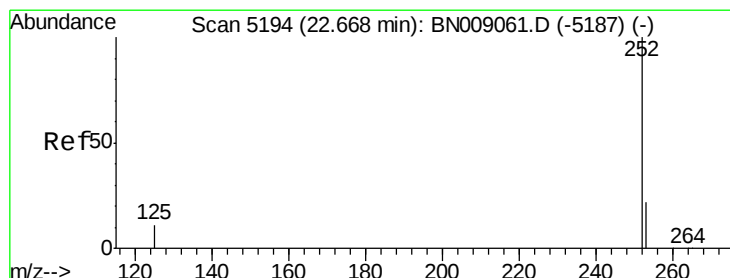
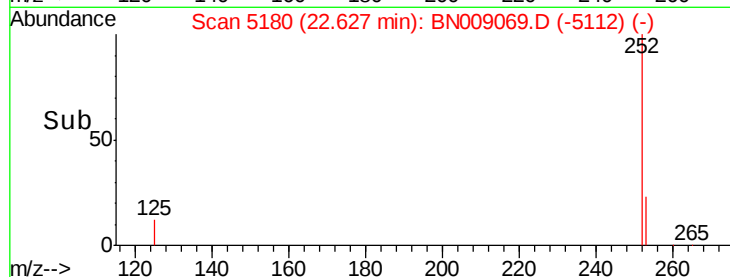
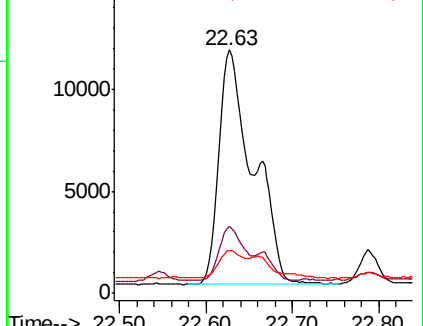
125 17.5 0.0 30.0



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: 0.811 ng/ul

RT: 22.63 min Scan# 5180

Delta R.T. -0.04 min

Lab File: BN009069.D

Acq: 20 Dec 2019 15:42

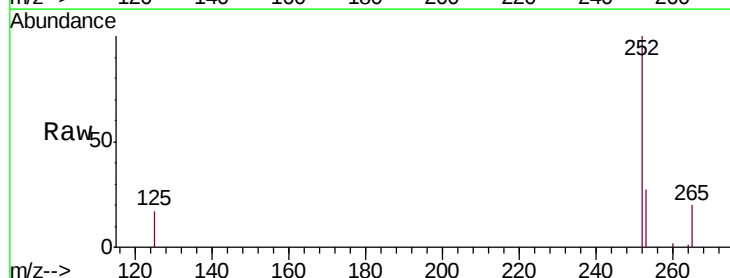
Tgt Ion:252 Resp: 31734

Ion Ratio Lower Upper

252 100

253 27.4 19.4 29.0

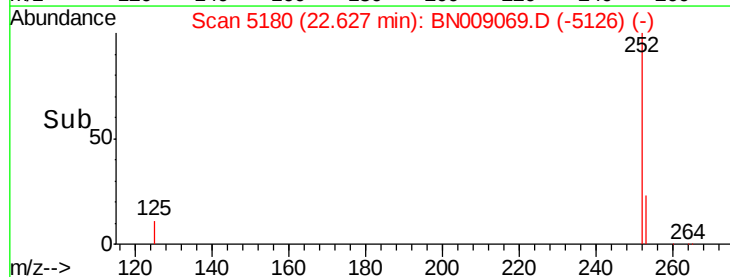
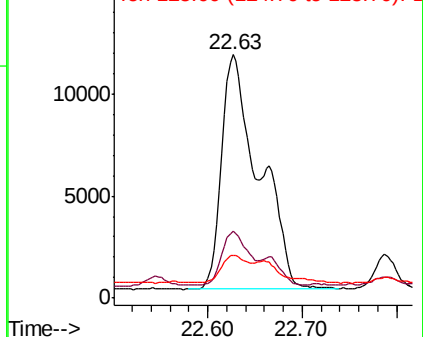
125 17.5 12.4 18.6

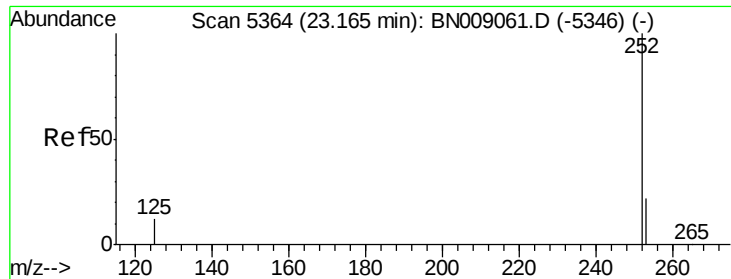


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.460 ng/u1

RT: 23.16 min Scan# 5364

Delta R.T. -0.00 min

Lab File: BN009069.D

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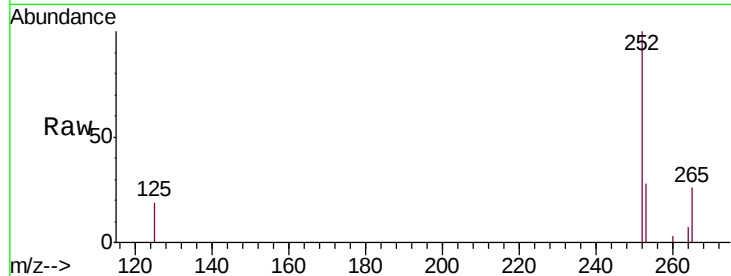
Tgt Ion:252 Resp: 15659

Ion Ratio Lower Upper

252 100

253 27.8 20.2 30.4

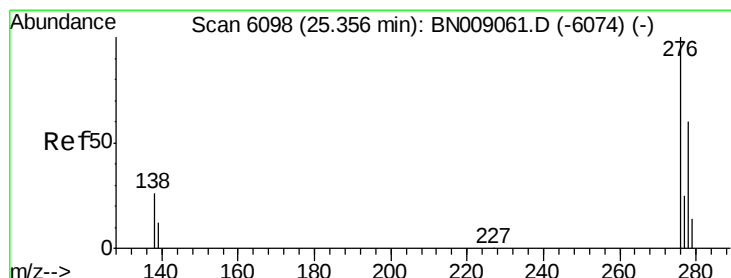
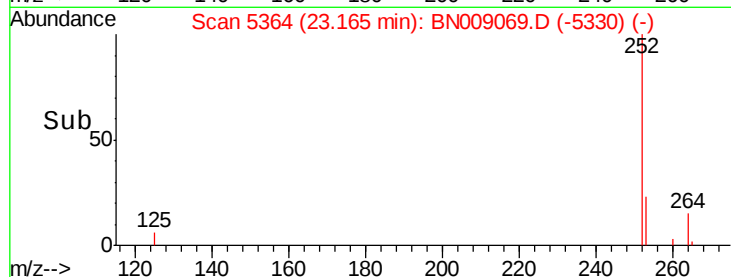
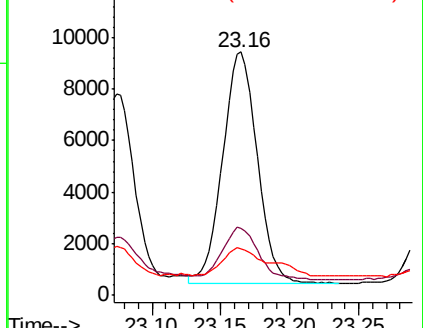
125 19.2 13.2 19.8



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: 0.302 ng/u1

RT: 25.36 min Scan# 6098

Delta R.T. -0.00 min

Lab File: BN009069.D

Acq: 20 Dec 2019 15:42

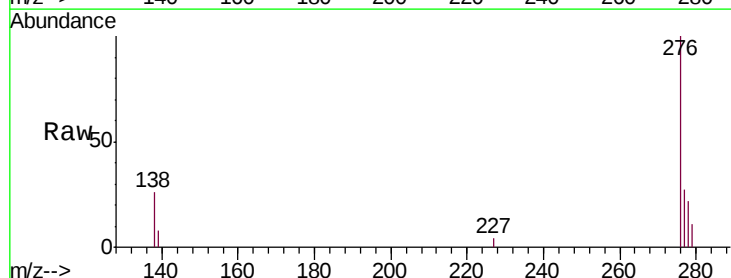
Tgt Ion:276 Resp: 11189

Ion Ratio Lower Upper

276 100

138 23.4 22.4 33.6

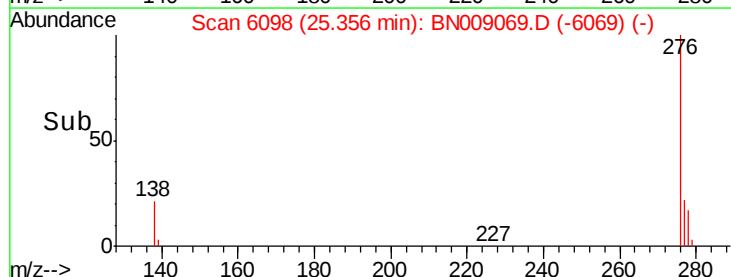
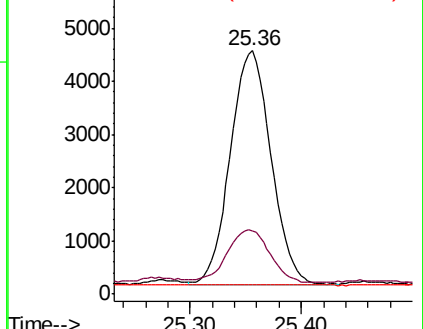
227 0.1 0.2 0.4#

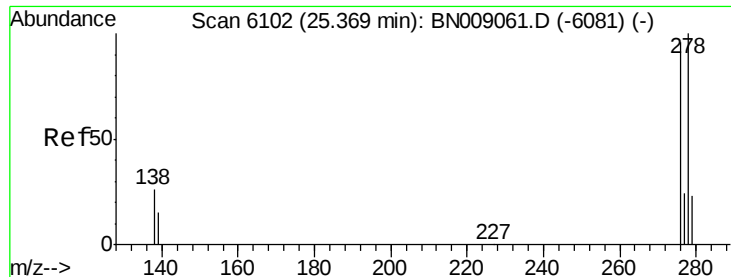


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.090 ng/ul

RT: 25.36 min Scan# 6098

Delta R.T. -0.02 min

Lab File: BN009069.D

Acq: 20 Dec 2019 15:42

Instrument :

BNA_N

ClientSampleId :

C0BS9DL

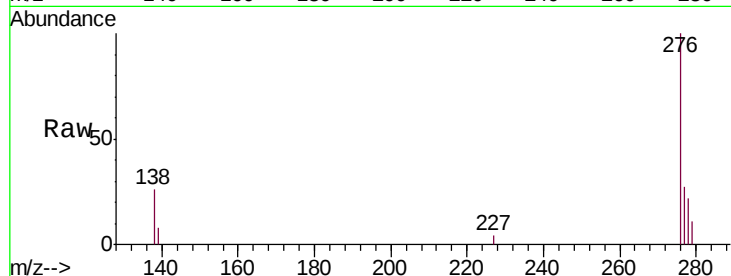
Tgt Ion:278 Resp: 2660

Ion Ratio Lower Upper

278 100

139 36.0 16.2 24.2#

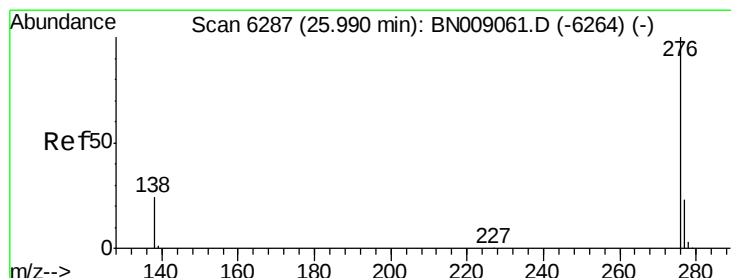
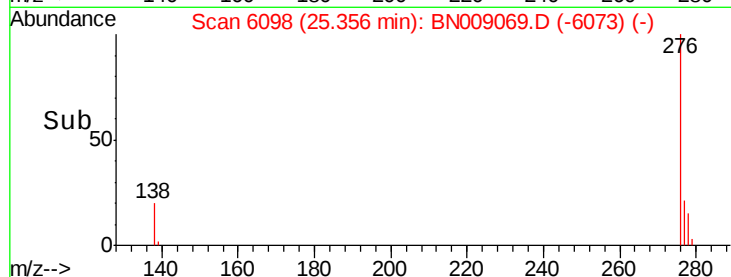
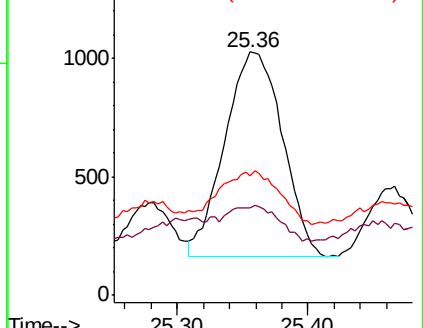
279 49.1 20.3 30.5#



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: 0.389 ng/ul

RT: 25.99 min Scan# 6288

Delta R.T. -0.00 min

Lab File: BN009069.D

Acq: 20 Dec 2019 15:42

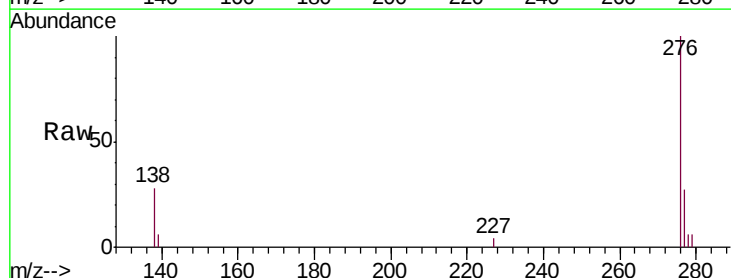
Tgt Ion:276 Resp: 12128

Ion Ratio Lower Upper

276 100

138 27.7 20.6 30.8

277 26.9 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

