

Data File : BN008977.D
Acq On : 13 Dec 2019 21:23
Operator : JU
Sample : K6089-14DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0BR2DL

Quant Time: Dec 13 23:25:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 13 23:22:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	2475	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	11052	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	7337	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.92	188	16372	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	13718	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	12706	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.90	152	3343	0.18	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	10577	0.21	ng/ul	0.00

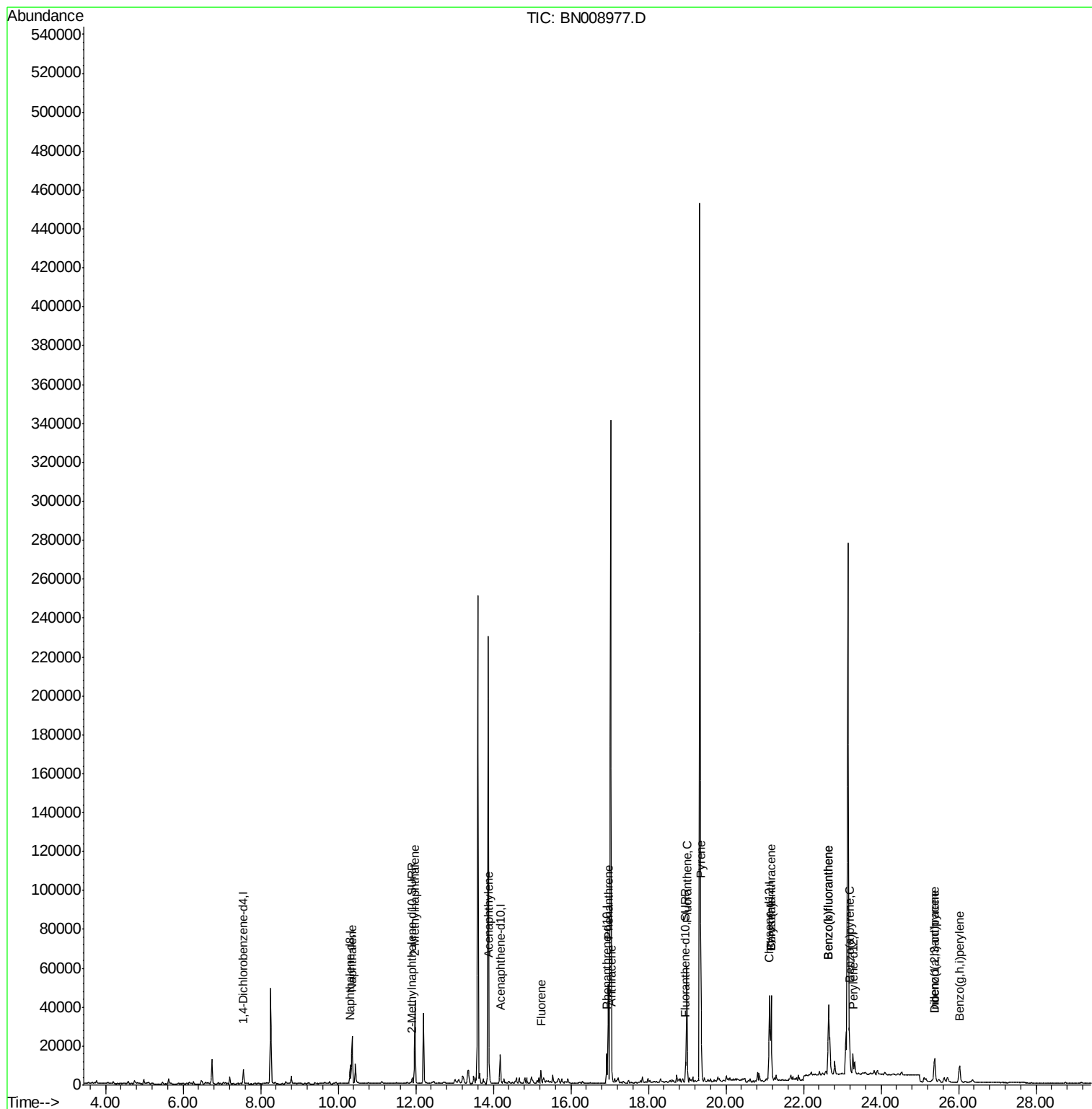
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.36	128	32277	0.969	ng/ul	99
5) 2-Methylnaphthalene	11.98	142	30487	1.310	ng/ul	99
7) Acenaphthylene	13.89	152	7158	0.176	ng/ul#	92
9) Fluorene	15.24	166	1517	0.043	ng/ul#	60
12) Phenanthrene	16.97	178	51866	0.939	ng/ul	100
13) Anthracene	17.06	178	4711	0.090	ng/ul#	90
15) Fluoranthene	18.99	202	48769	0.719	ng/ul	99
17) Pyrene	19.35	202	48411	0.880	ng/ul	100
18) Benzo(a)anthracene	21.17	228	45892	0.832	ng/ul	93
19) Chrysene	21.17	228	45892	0.847	ng/ul#	96
21) Benzo(b)fluoranthene	22.64	252	72409	1.382	ng/ul	99
22) Benzo(k)fluoranthene	22.64	252	72409	1.393	ng/ul	98
23) Benzo(a)pyrene	23.18	252	28864	0.587	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.38	276	17422	0.303	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.38	278	5070	0.109	ng/ul#	73
26) Benzo(g,h,i)perylene	26.02	276	16336	0.340	ng/ul	98

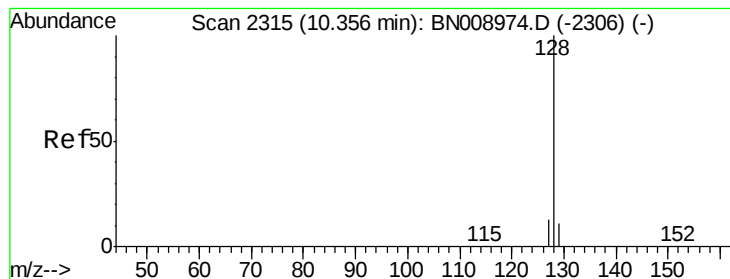
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.969 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. 0.00 min

Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

Instrument :

BNA_N

ClientSampleId :

C0BR2DL

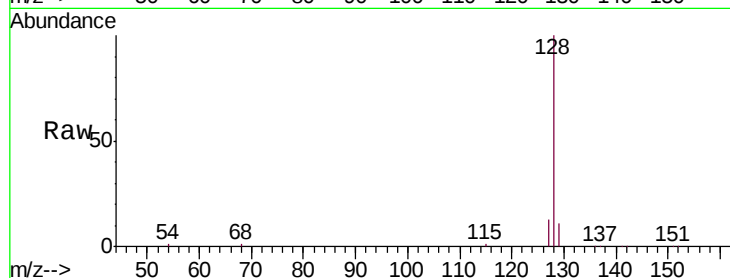
Tgt Ion:128 Resp: 32277

Ion Ratio Lower Upper

128 100

129 11.2 9.1 13.7

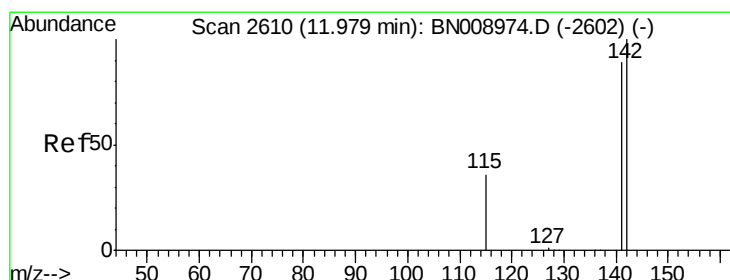
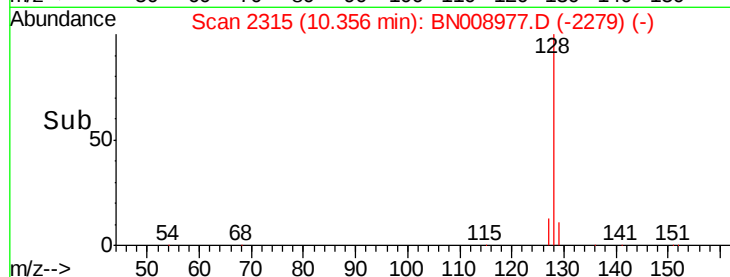
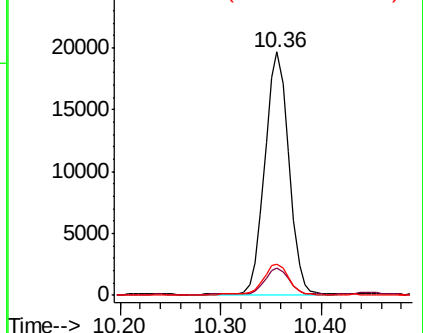
127 13.0 10.7 16.1



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: 1.310 ng/ul

RT: 11.98 min Scan# 2610

Delta R.T. 0.00 min

Lab File: BN008977.D

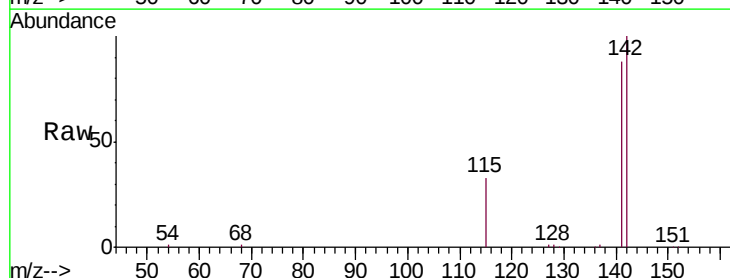
Acq: 13 Dec 2019 21:23

Tgt Ion:142 Resp: 30487

Ion Ratio Lower Upper

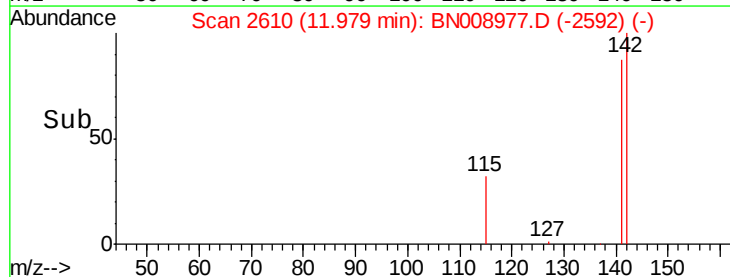
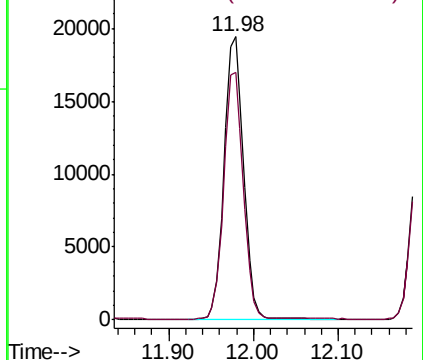
142 100

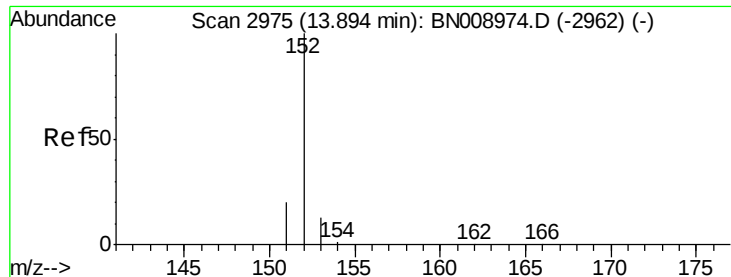
141 88.1 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.176 ng/ul

RT: 13.89 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

Instrument :

BNA_N

ClientSampleId :

C0BR2DL

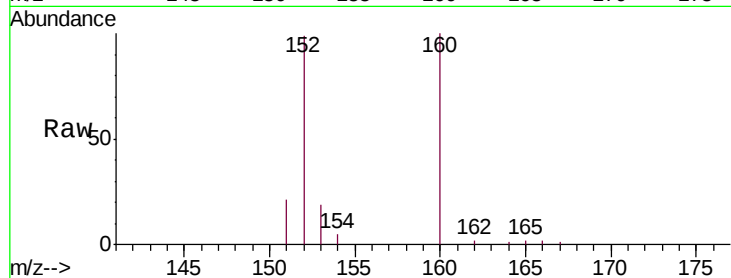
Tgt Ion:152 Resp: 7158

Ion Ratio Lower Upper

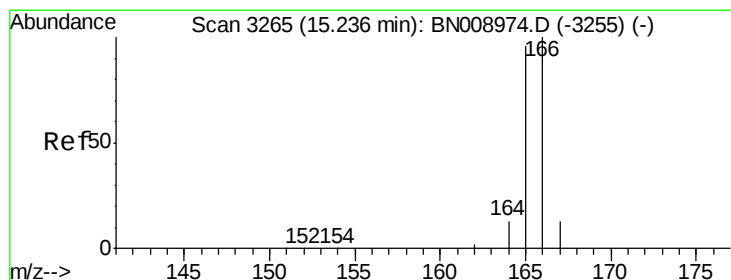
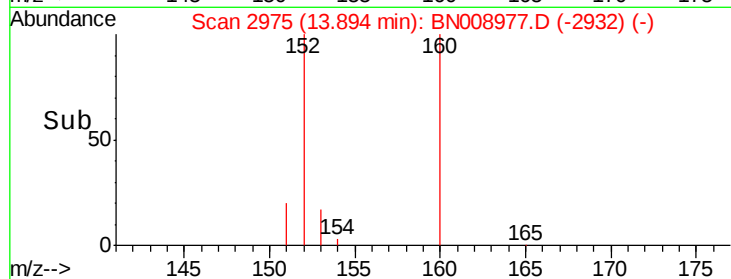
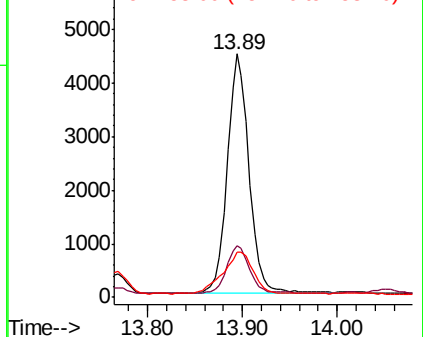
152 100

151 21.4 15.8 23.6

153 18.8 10.6 15.8#



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: 0.043 ng/ul

RT: 15.24 min Scan# 3265

Delta R.T. 0.00 min

Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

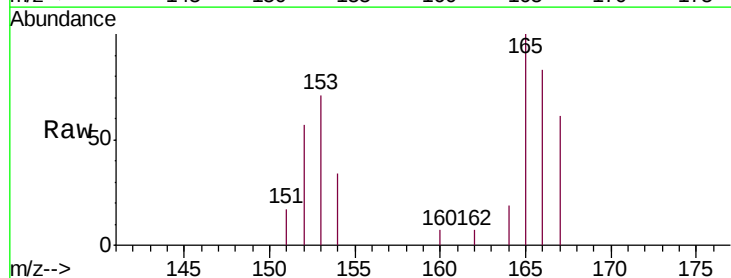
Tgt Ion:166 Resp: 1517

Ion Ratio Lower Upper

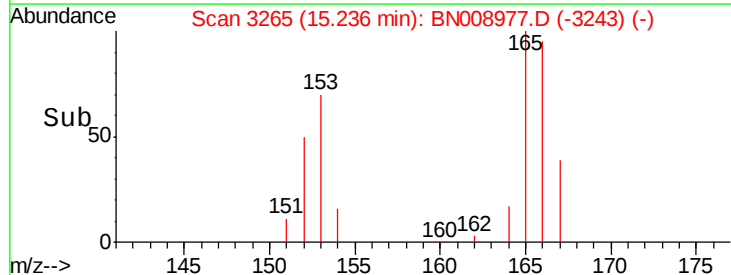
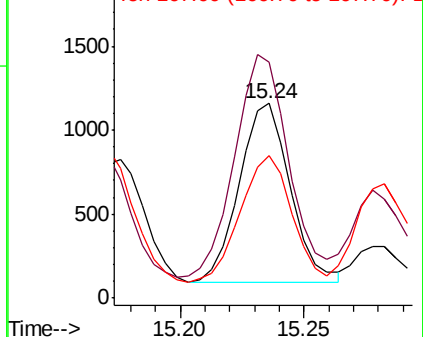
166 100

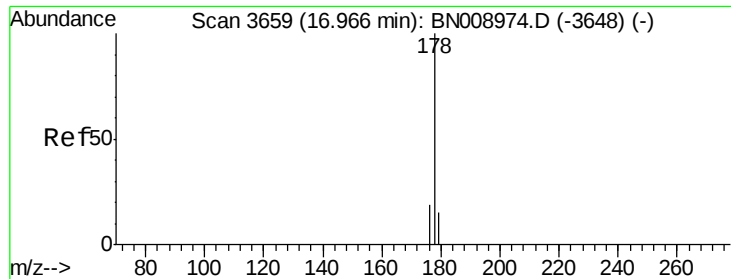
165 121.1 77.7 116.5#

167 73.5 11.1 16.7#



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: 0.939 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. 0.00 min

Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

Instrument :

BNA_N

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C0BR2DL

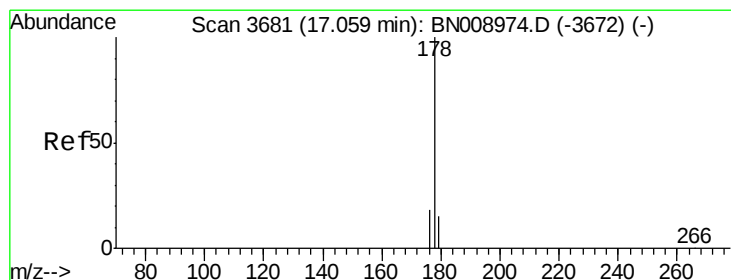
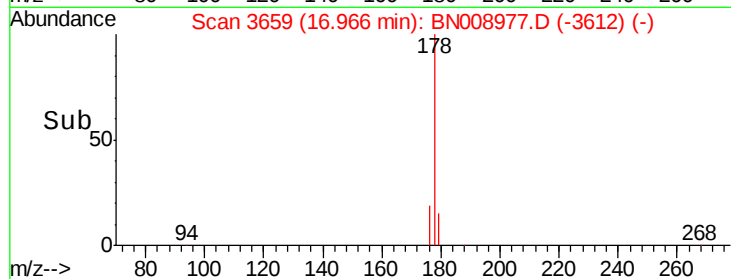
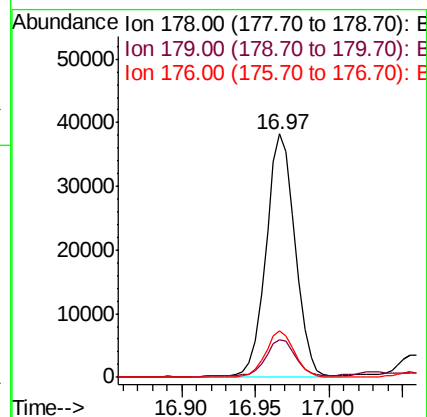
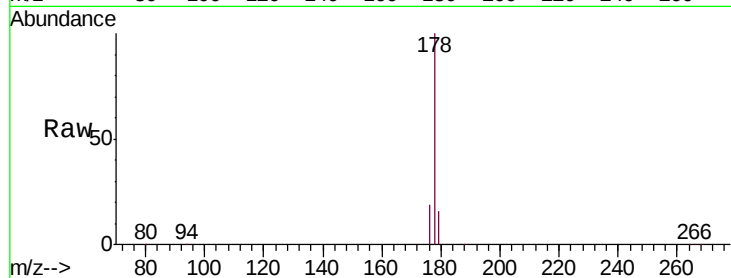
Tgt Ion:178 Resp: 51866

Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

176 18.9 15.3 22.9



#13

Anthracene

Concen: 0.090 ng/ul

RT: 17.06 min Scan# 3680

Delta R.T. -0.00 min

Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

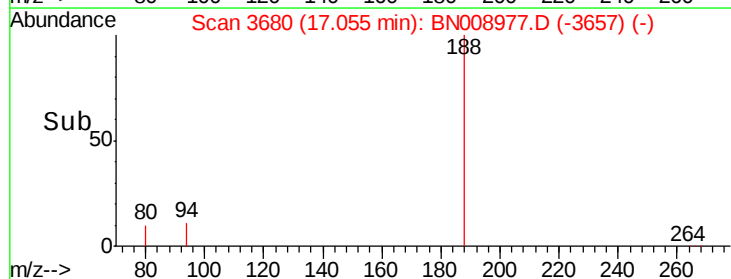
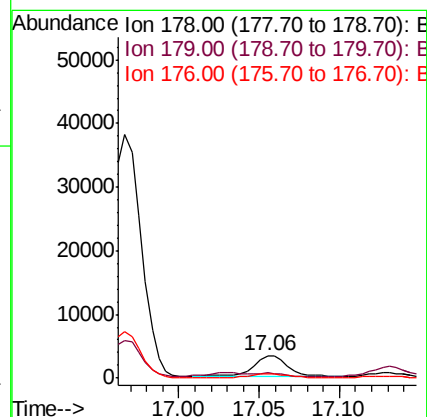
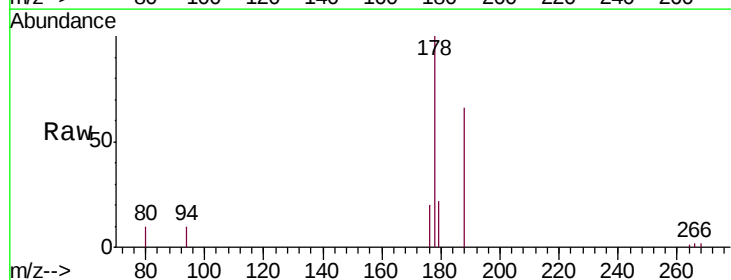
Tgt Ion:178 Resp: 4711

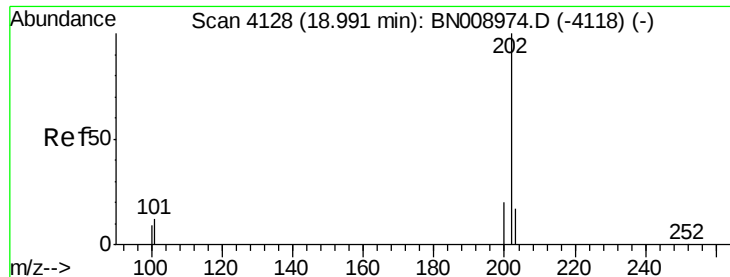
Ion Ratio Lower Upper

178 100

179 22.4 12.2 18.4#

176 20.1 14.7 22.1

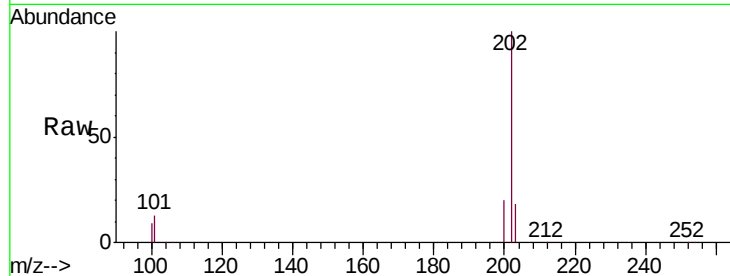




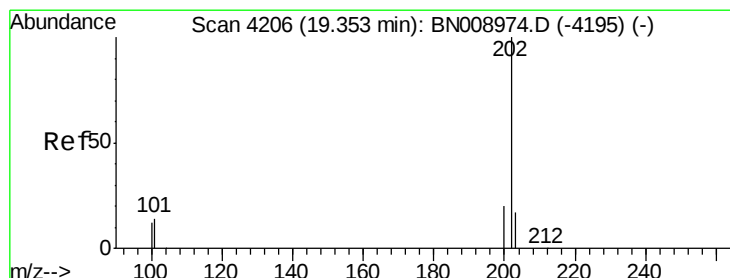
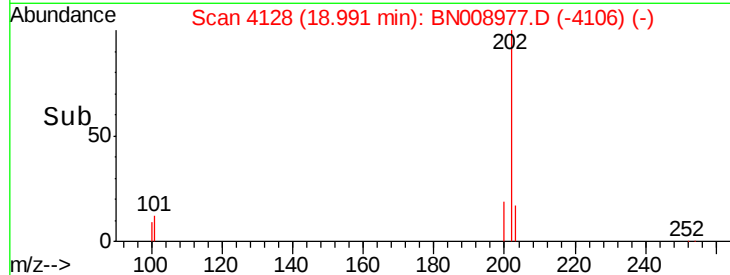
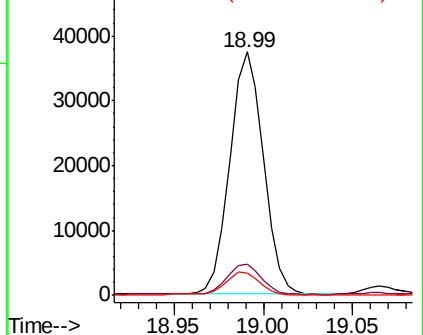
#15
Fluoranthene
Concen: 0.719 ng/ul
RT: 18.99 min Scan# 4128
Delta R.T. 0.00 min
Lab File: BN008977.D
Acq: 13 Dec 2019 21:23

Instrument :
BNA_N
ClientSampleId :
C0BR2DL

Tgt Ion:202 Resp: 48769
Ion Ratio Lower Upper
202 100
101 12.8 0.0 32.4
100 9.0 0.0 29.2

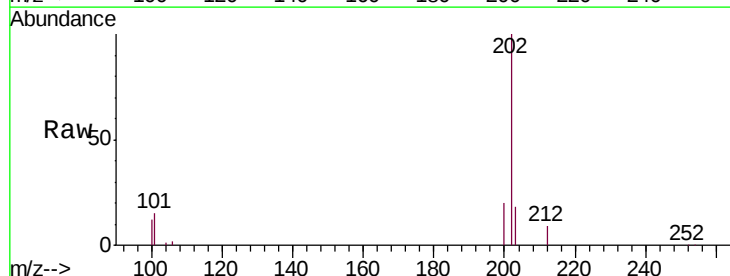


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

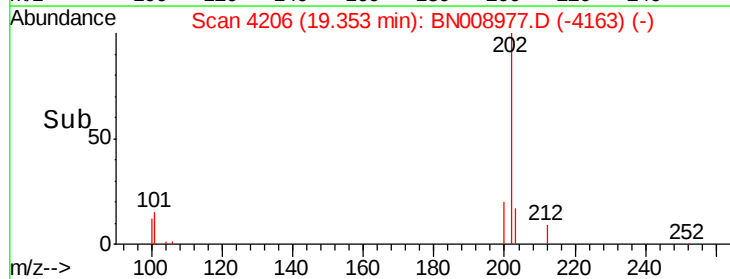
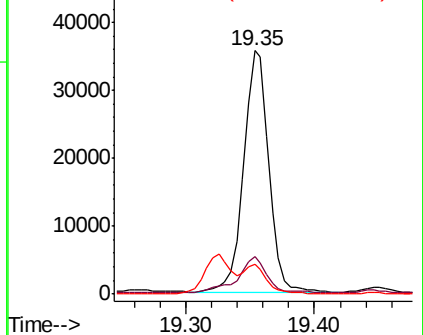


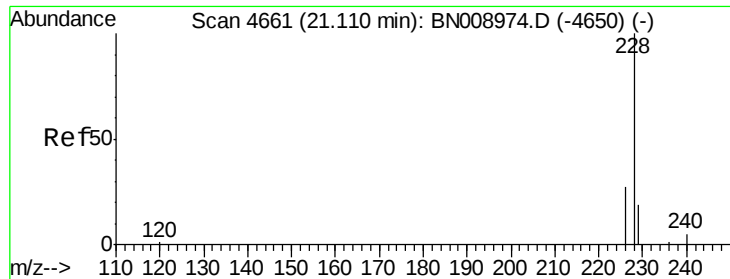
#17
Pyrene
Concen: 0.880 ng/ul
RT: 19.35 min Scan# 4206
Delta R.T. 0.00 min
Lab File: BN008977.D
Acq: 13 Dec 2019 21:23

Tgt Ion:202 Resp: 48411
Ion Ratio Lower Upper
202 100
101 15.2 12.2 18.4
100 12.3 9.5 14.3



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: 0.832 ng/ul

RT: 21.17 min Scan# 4680

Delta R.T. 0.06 min

Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

Instrument :

BNA_N

ClientSampleId :

C0BR2DL

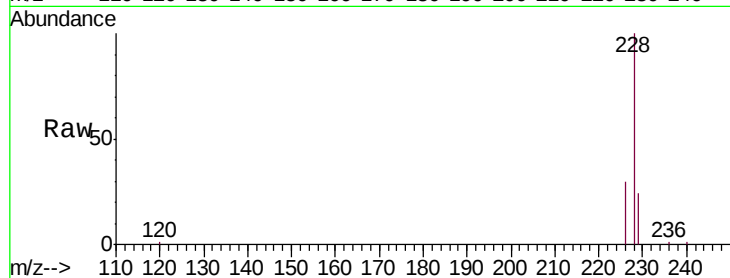
Tgt Ion:228 Resp: 45892

Ion Ratio Lower Upper

228 100

229 23.5 15.7 23.5

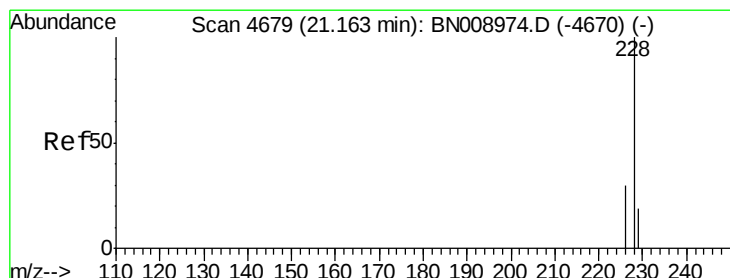
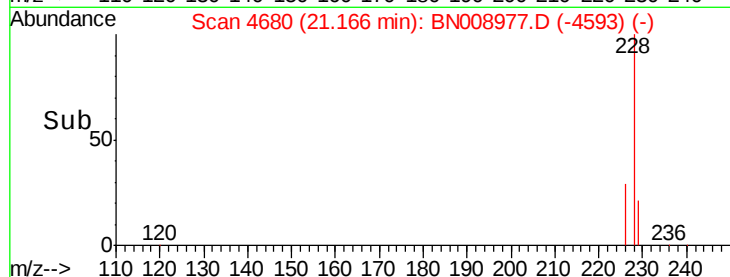
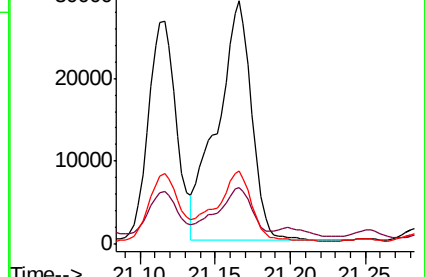
226 30.1 21.5 32.3



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: 0.847 ng/ul

RT: 21.17 min Scan# 4680

Delta R.T. 0.00 min

Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

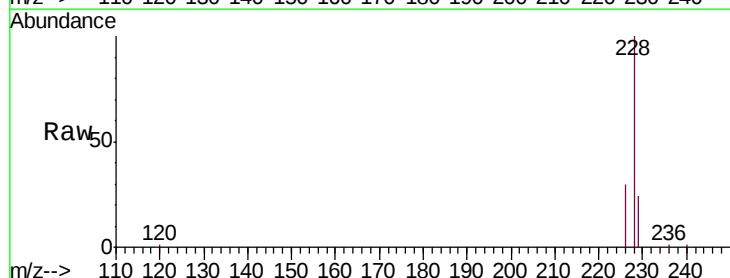
Tgt Ion:228 Resp: 45892

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.6

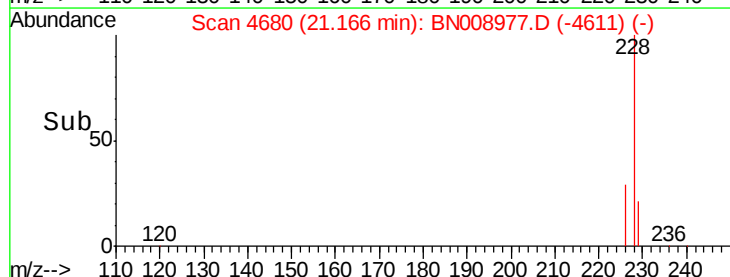
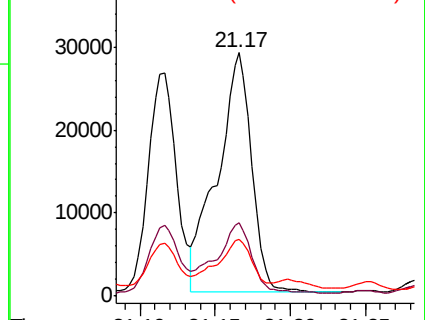
229 23.5 15.6 23.4#

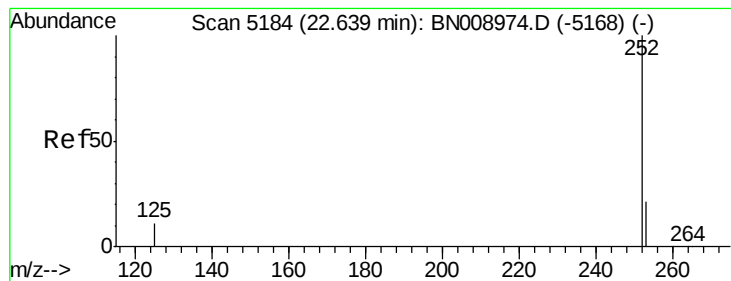


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 1.382 ng/ul

RT: 22.64 min Scan# 5185

Delta R.T. 0.00 min

Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

Instrument :

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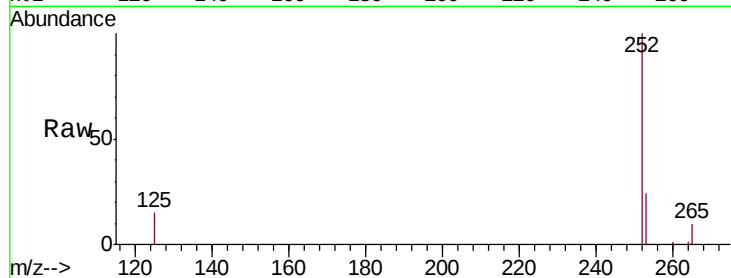
Tgt Ion:252 Resp: 72409

Ion Ratio Lower Upper

252 100

253 24.2 0.0 48.6

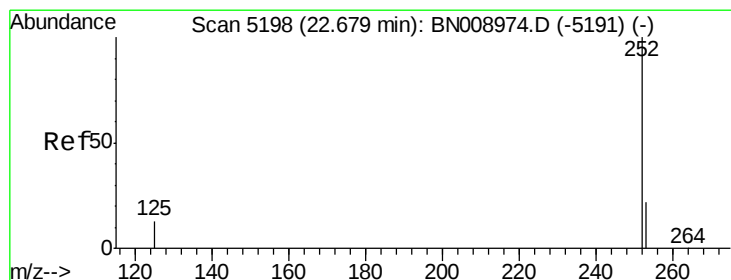
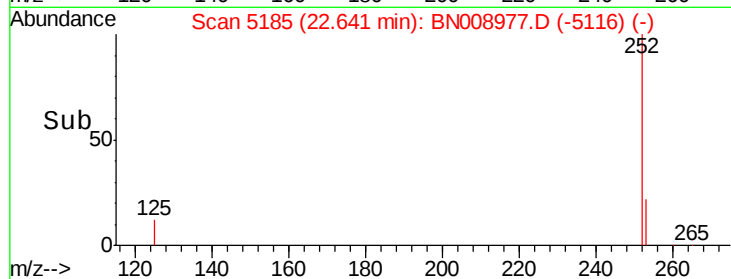
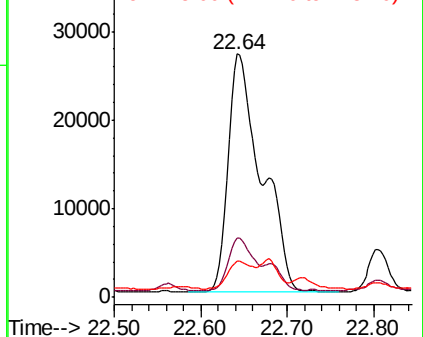
125 15.1 0.0 31.6



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



#22

Benzo(k)fluoranthene

Concen: 1.393 ng/ul

RT: 22.64 min Scan# 5185

Delta R.T. -0.04 min

Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

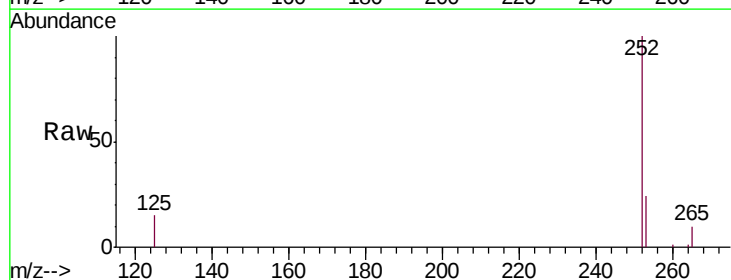
Tgt Ion:252 Resp: 72409

Ion Ratio Lower Upper

252 100

253 24.2 19.6 29.4

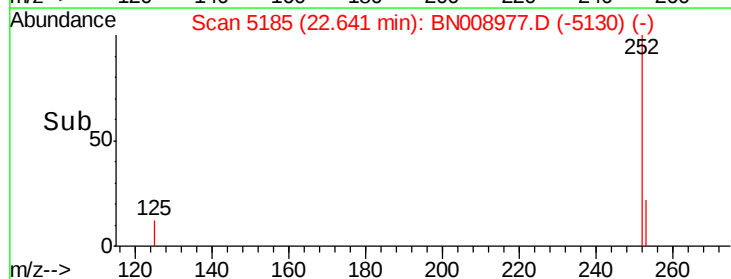
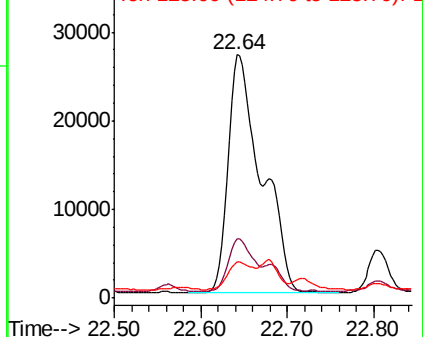
125 15.1 13.8 20.6

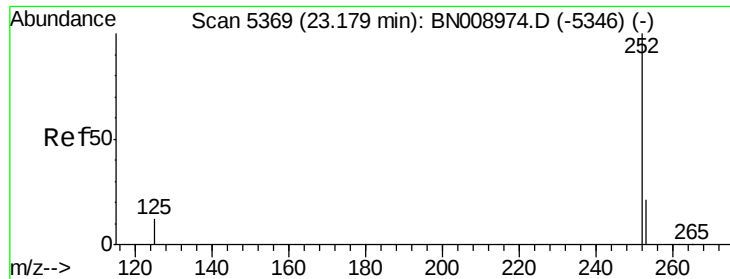


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.587 ng/u1

RT: 23.18 min Scan# 5370

Delta R.T. 0.00 min

Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

Instrument :

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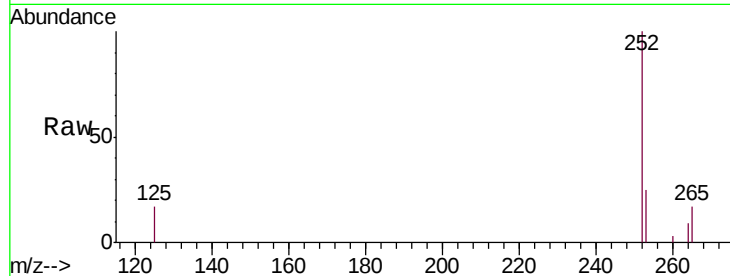
Tgt Ion:252 Resp: 28864

Ion Ratio Lower Upper

252 100

253 25.1 19.9 29.9

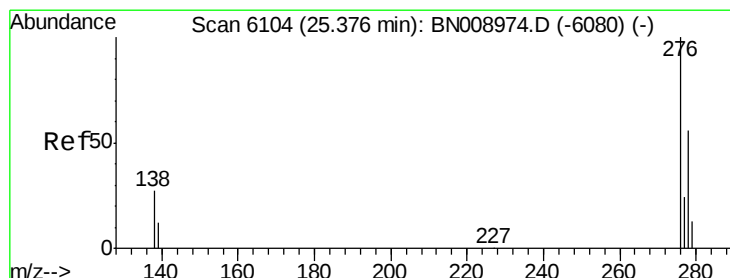
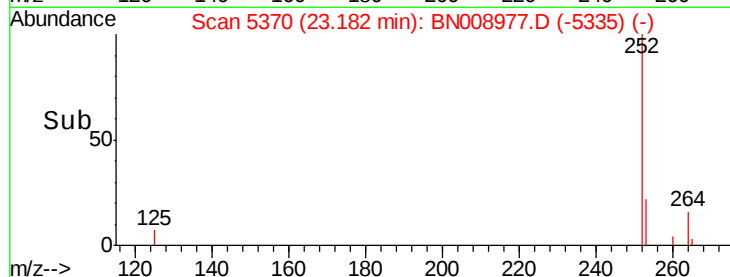
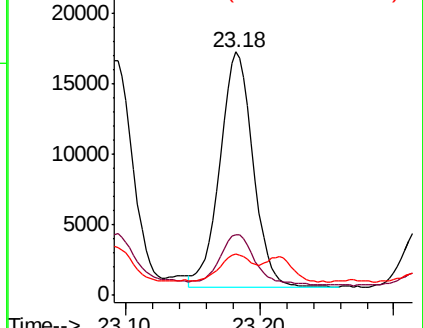
125 17.1 14.6 22.0



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.303 ng/u1

RT: 25.38 min Scan# 6105

Delta R.T. 0.00 min

Lab File: BN008977.D

Acq: 13 Dec 2019 21:23

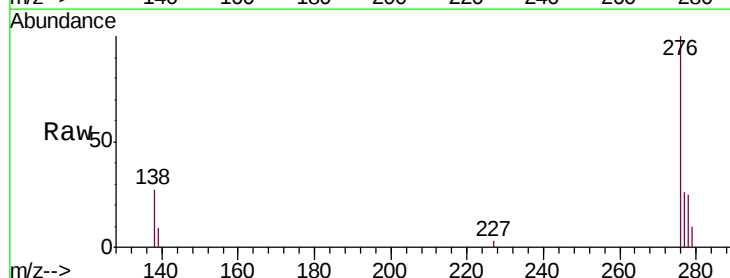
Tgt Ion:276 Resp: 17422

Ion Ratio Lower Upper

276 100

138 26.5 23.8 35.6

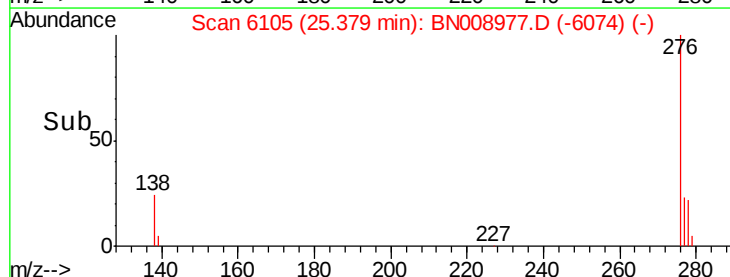
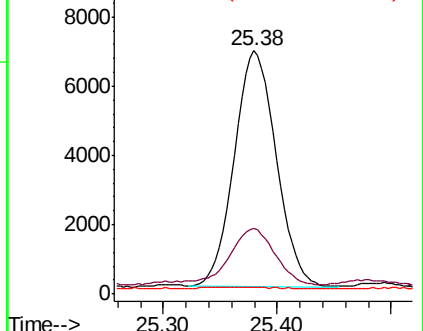
227 0.1 0.2 0.2#

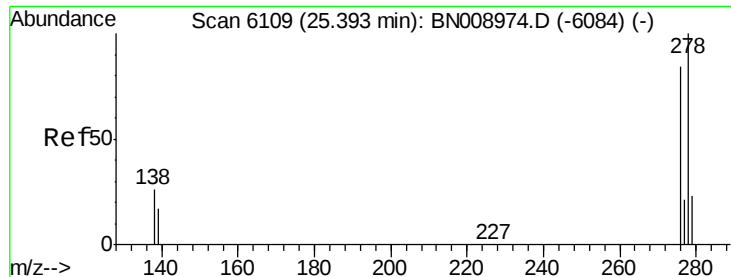


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

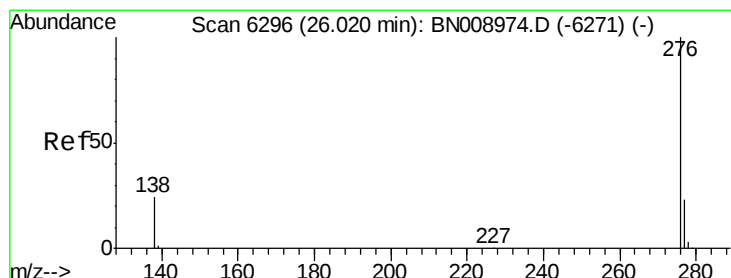
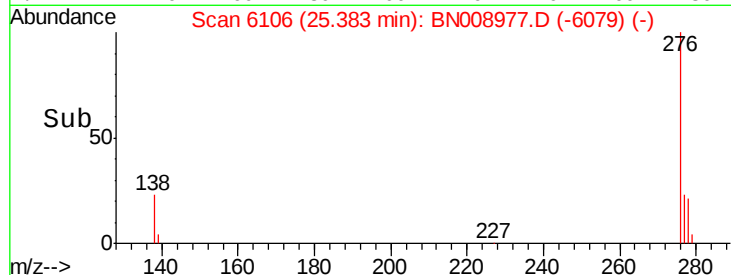
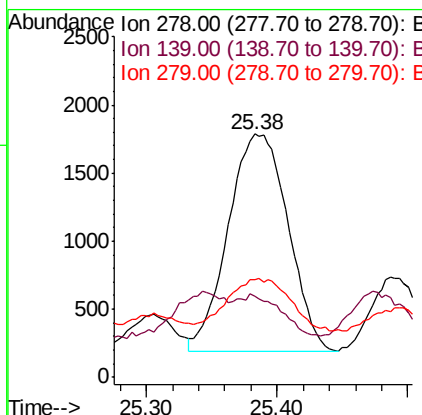
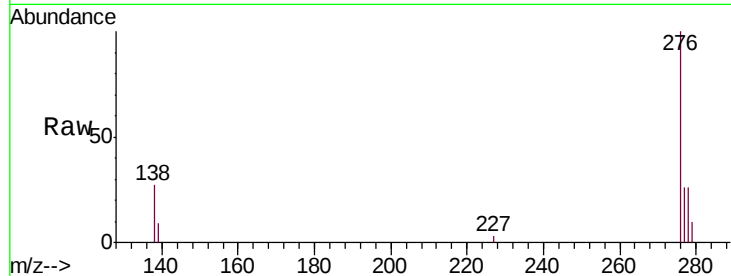




#25
Dibenzo(a,h)anthracene
Concen: 0.109 ng/u1
RT: 25.38 min Scan# 6106
Delta R.T. -0.01 min
Lab File: BN008977.D
Acq: 13 Dec 2019 21:23

Instrument :
BNA_N
ClientSampleId :
C0BR2DL

Tgt Ion: 278 Resp: 5070
Ion Ratio Lower Upper
278 100
139 33.3 17.4 26.0#
279 39.9 20.5 30.7#



#26
Benzo(g,h,i)perylene
Concen: 0.340 ng/u1
RT: 26.02 min Scan# 6297
Delta R.T. 0.00 min
Lab File: BN008977.D
Acq: 13 Dec 2019 21:23

Tgt Ion: 276 Resp: 16336
Ion Ratio Lower Upper
276 100
138 28.0 21.9 32.9
277 26.1 19.9 29.9

