

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008358.D
 Acq On : 23 Oct 2019 20:20
 Operator : JU
 Sample : K5223-19DL 2X
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 24 01:38:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 14:07:55 2019
 Response via : Initial Calibration

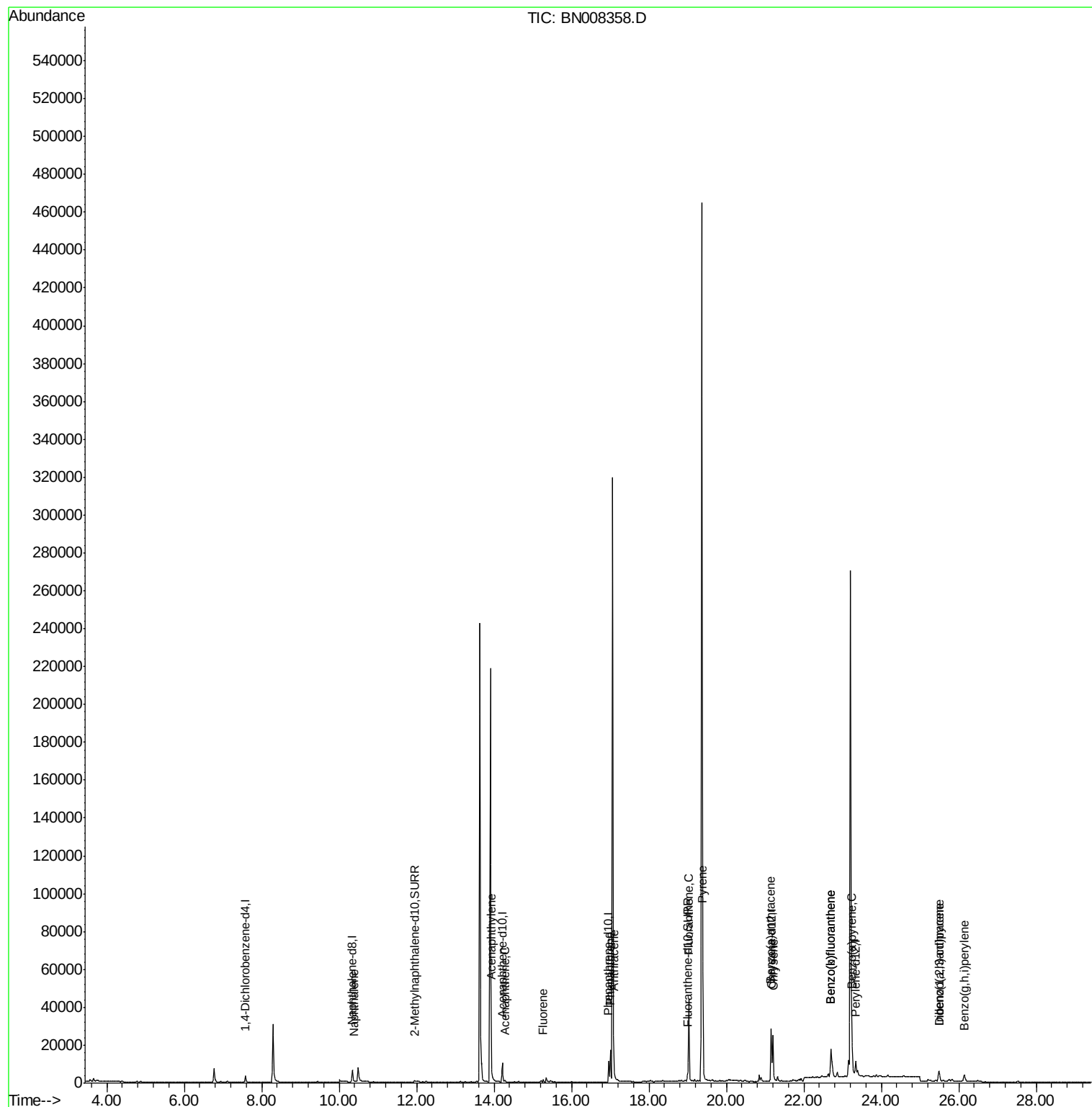
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1864	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.34	136	9082	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.21	164	5825	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	12662	0.40	ng/ul	-0.01
16) Chrysene-d12	21.17	240	11129	0.40	ng/ul	-0.01
20) Perylene-d12	23.34	264	9028	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	1686	0.11	ng/ul	-0.01
14) Fluoranthene-d10	19.00	212	5107	0.12	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.39	128	539	0.021	ng/ul#	68
7) Acenaphthylene	13.93	152	1735	0.063	ng/ul#	91
8) Acenaphthene	14.27	153	573	0.027	ng/ul	95
9) Fluorene	15.27	166	759	0.031	ng/ul#	91
12) Phenanthrene	17.00	178	18199	0.491	ng/ul	99
13) Anthracene	17.09	178	3280	0.101	ng/ul	94
15) Fluoranthene	19.03	202	39066	0.798	ng/ul	96
17) Pyrene	19.39	202	44428	1.003	ng/ul	100
18) Benzo(a)anthracene	21.15	228	23751	0.587	ng/ul	97
19) Chrysene	21.21	228	26409	0.532	ng/ul	98
21) Benzo(b)fluoranthene	22.70	252	32958	1.121	ng/ul	97
22) Benzo(k)fluoranthene	22.70	252	32958	0.990	ng/ul	97
23) Benzo(a)pyrene	23.24	252	17014	0.550	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.49	276	9258	0.254	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.49	278	2343	0.081	ng/ul#	75
26) Benzo(a,h,i)perylene	26.14	276	7308	0.219	ng/ul#	94

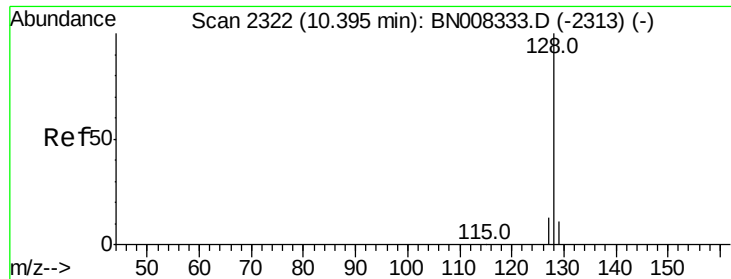
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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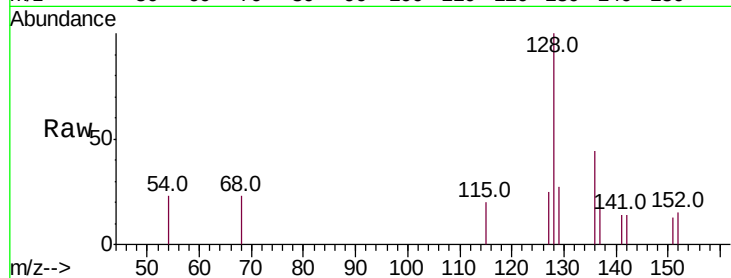
#3

Naphthalene

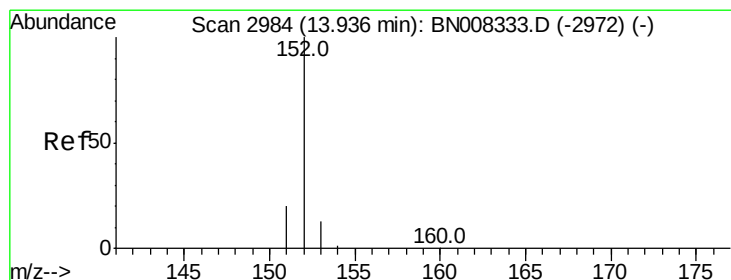
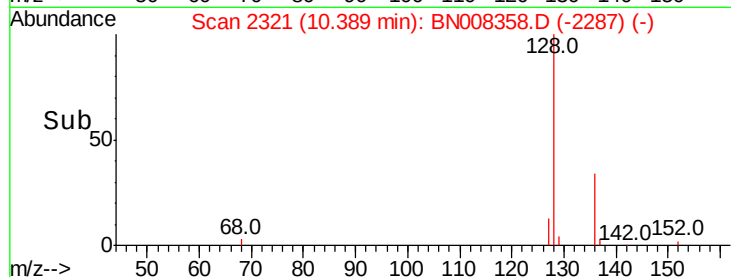
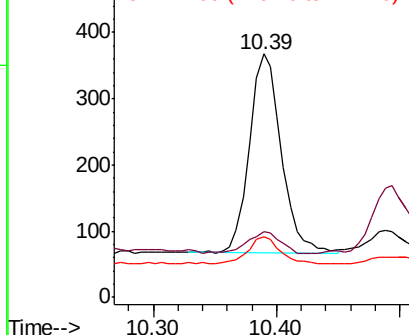
Concen: 0.021 ng/ul
 RT: 10.39 min Scan# 2321
 Delta R.T. -0.01 min
 Lab File: BN008358.D
 Acq: 23 Oct 2019 20:20

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:128 Resp: 539
 Ion Ratio Lower Upper
 128 100
 129 27.2 9.8 14.8#
 127 25.0 11.1 16.7#



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

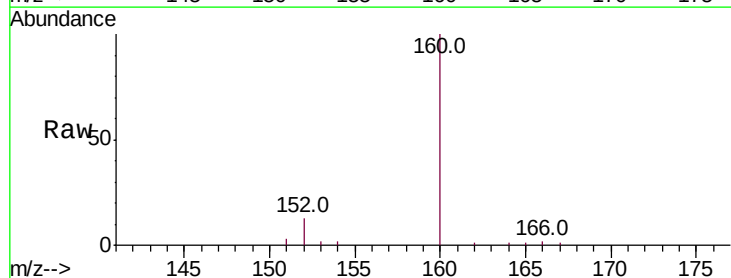


#7

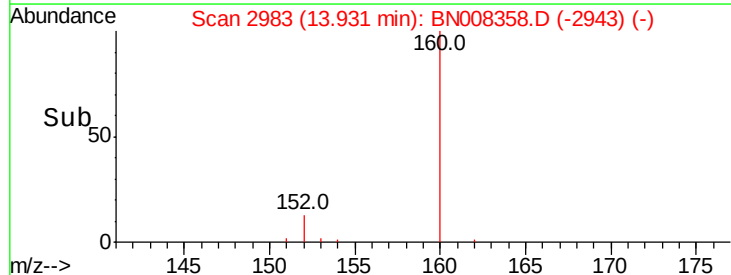
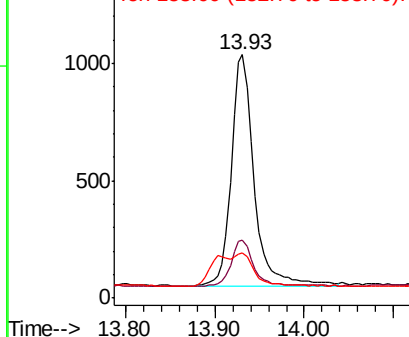
Acenaphthylene

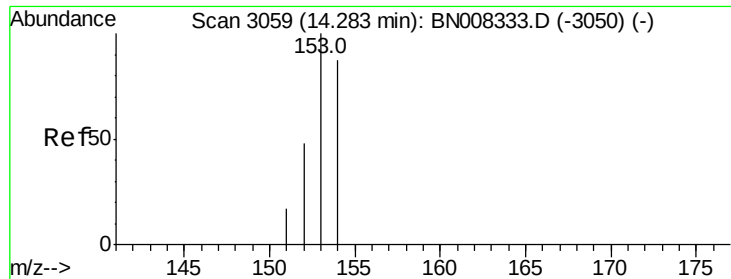
Concen: 0.063 ng/ul
 RT: 13.93 min Scan# 2983
 Delta R.T. -0.01 min
 Lab File: BN008358.D
 Acq: 23 Oct 2019 20:20

Tgt Ion:152 Resp: 1735
 Ion Ratio Lower Upper
 152 100
 151 23.8 16.2 24.4
 153 18.4 11.0 16.4#



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





#8

Acenaphthene

Concen: 0.027 ng/ul

RT: 14.27 min Scan# 3057

Delta R.T. -0.01 min

Lab File: BN008358.D

Acq: 23 Oct 2019 20:20

Instrument :

BNA_N

ClientSampled :

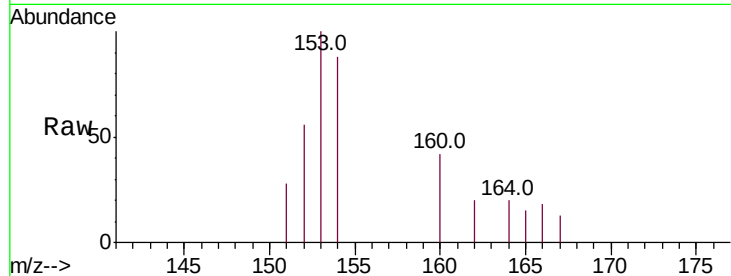
Tot Ion:153 Resp: 573

Ion Ratio Lower Upper

153 100

152 55.9 38.2 57.2

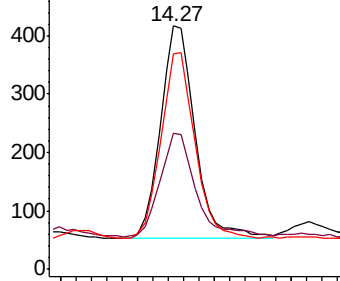
154 88.5 71.8 107.8



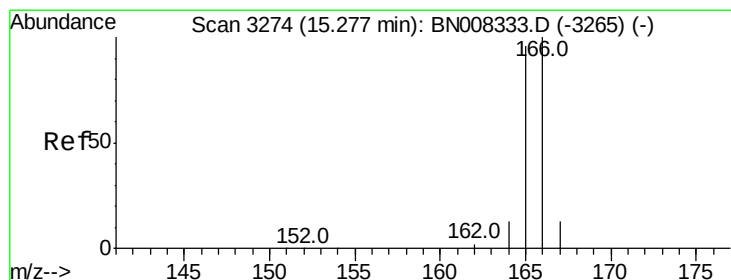
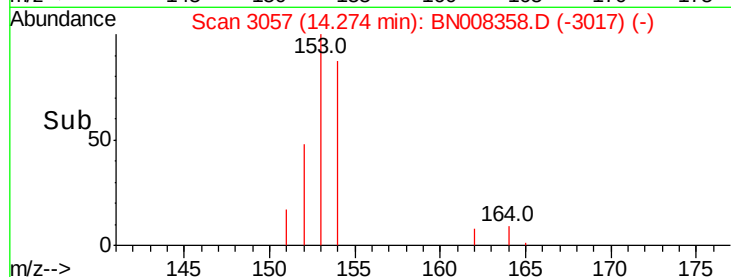
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#9

Fluorene

Concen: 0.031 ng/ul

RT: 15.27 min Scan# 3272

Delta R.T. -0.01 min

Lab File: BN008358.D

Acq: 23 Oct 2019 20:20

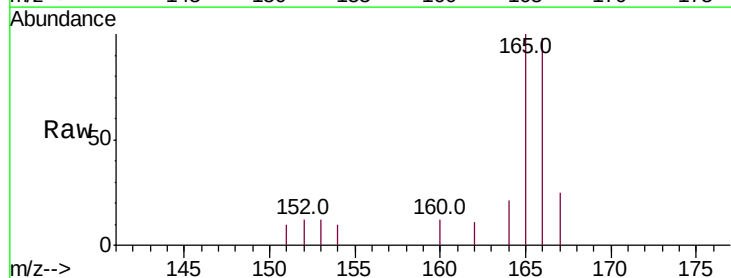
Tgt Ion:166 Resp: 759

Ion Ratio Lower Upper

166 100

165 102.2 76.6 115.0

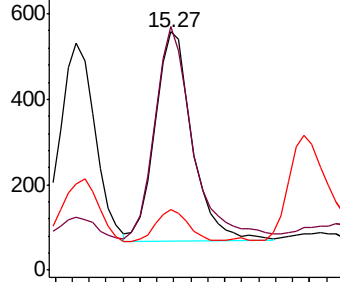
167 25.4 11.7 17.5#



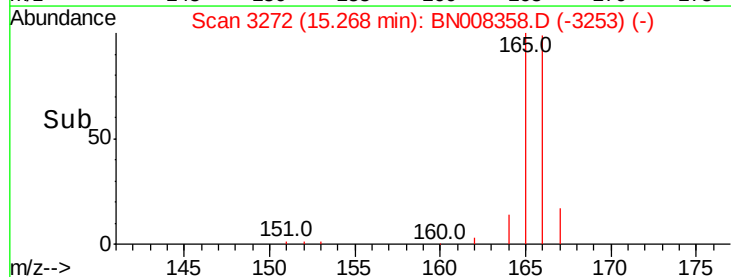
Abundance Ion 166.00 (165.70 to 166.70): E

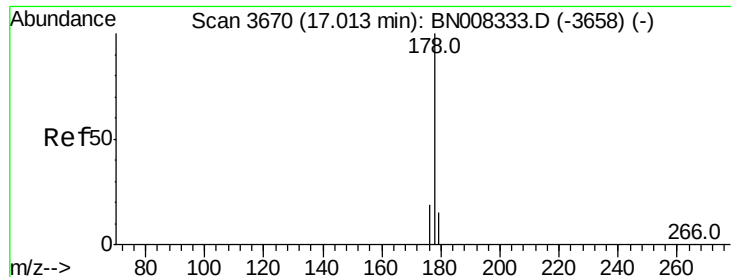
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





#12

Phenanthrene

Concen: 0.491 ng/ul

RT: 17.00 min Scan# 3668

Delta R.T. -0.01 min

Lab File: BN008358.D

Acq: 23 Oct 2019 20:20

Instrument :

BNA_N

ClientSampleId :

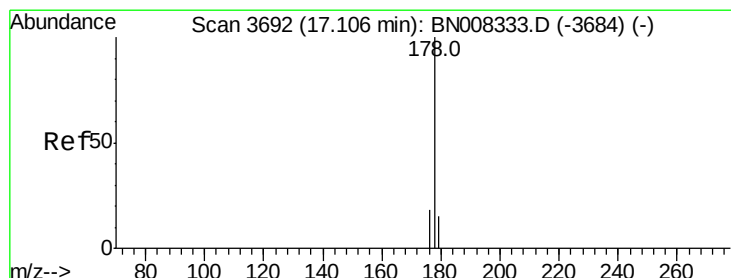
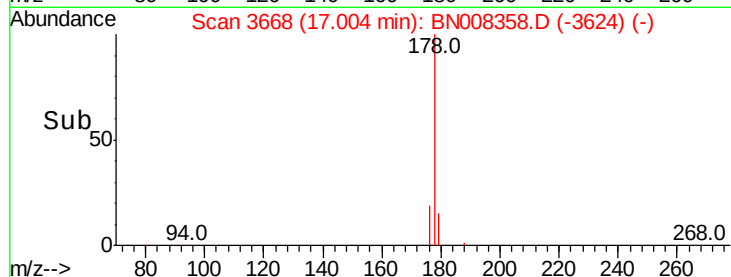
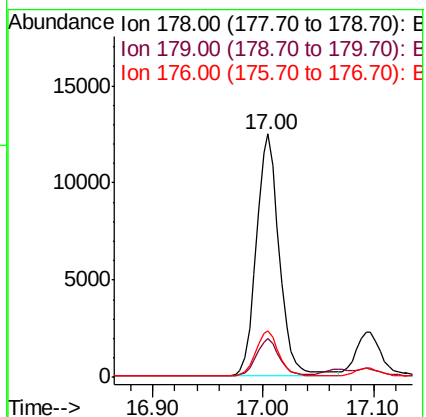
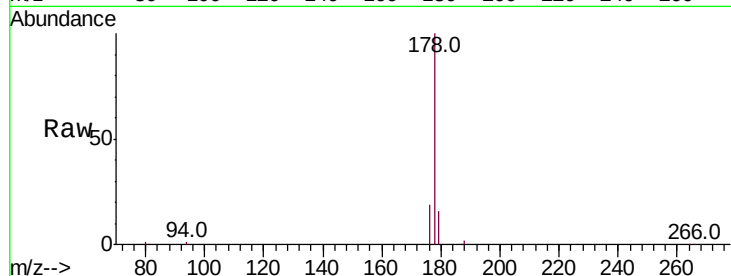
Tot Ion:178 Resp: 18199

Ion Ratio Lower Upper

178 100

179 15.8 12.8 19.2

176 18.9 15.4 23.2



#13

Anthracene

Concen: 0.101 ng/ul

RT: 17.09 min Scan# 3689

Delta R.T. -0.02 min

Lab File: BN008358.D

Acq: 23 Oct 2019 20:20

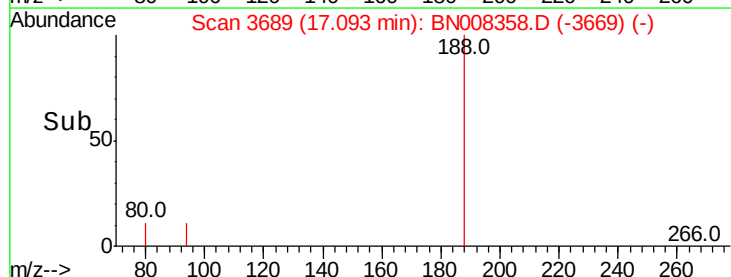
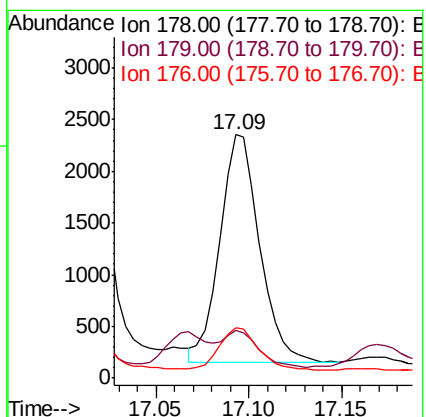
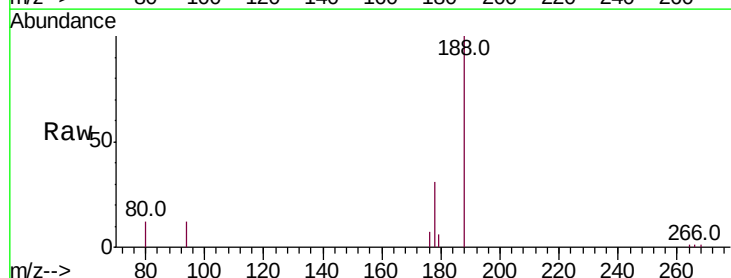
Tgt Ion:178 Resp: 3280

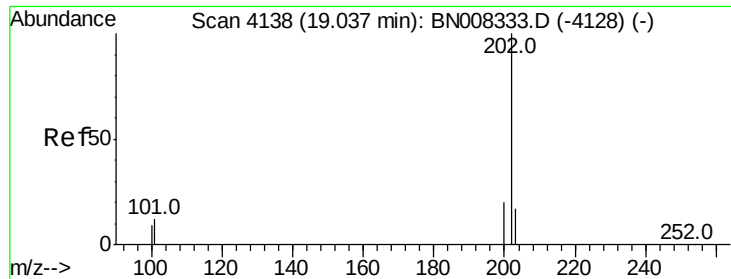
Ion Ratio Lower Upper

178 100

179 19.4 13.0 19.6

176 20.9 15.0 22.6





#15

Fluoranthene

Concen: 0.798 ng/ul

RT: 19.03 min Scan# 4136

Delta R.T. -0.01 min

Lab File: BN008358.D

Acq: 23 Oct 2019 20:20

Instrument :

BNA_N

ClientSampleId :

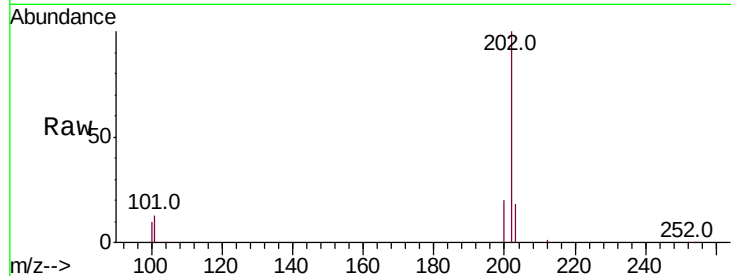
Tot Ion:202 Resp: 39066

Ion Ratio Lower Upper

202 100

101 12.6 0.0 31.2

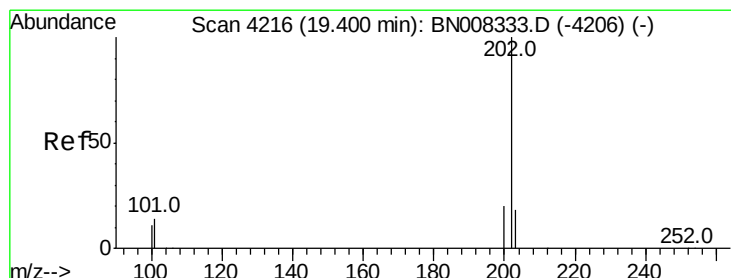
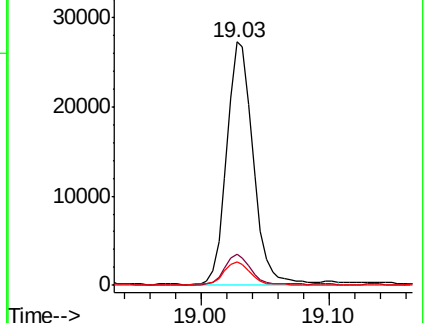
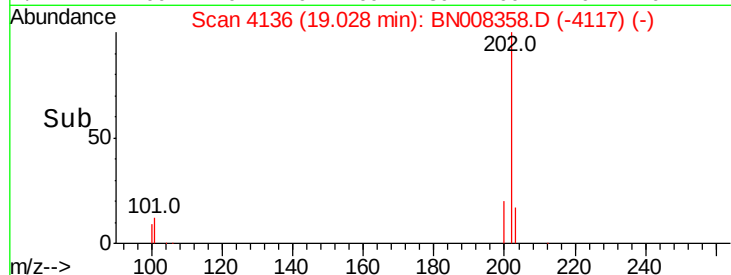
100 9.7 0.0 28.5



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: 1.003 ng/ul

RT: 19.39 min Scan# 4215

Delta R.T. -0.01 min

Lab File: BN008358.D

Acq: 23 Oct 2019 20:20

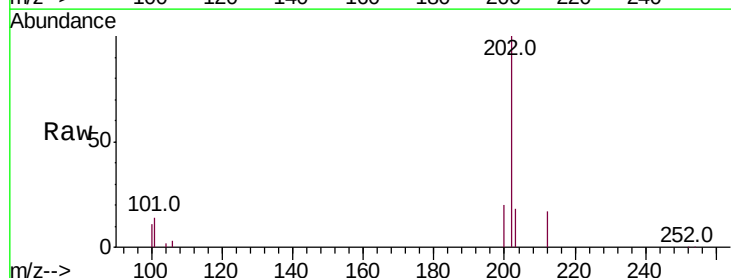
Tgt Ion:202 Resp: 44428

Ion Ratio Lower Upper

202 100

101 13.5 10.9 16.3

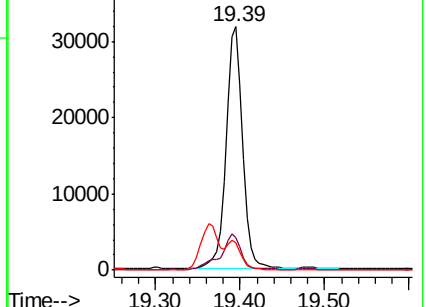
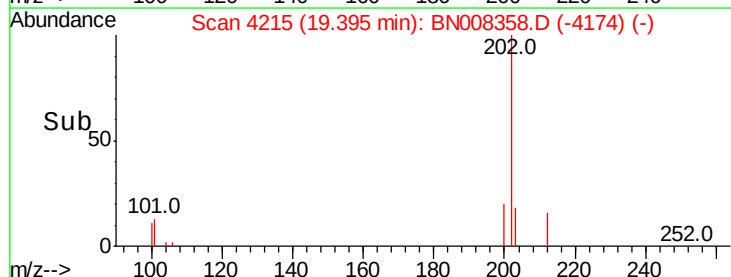
100 11.1 8.7 13.1

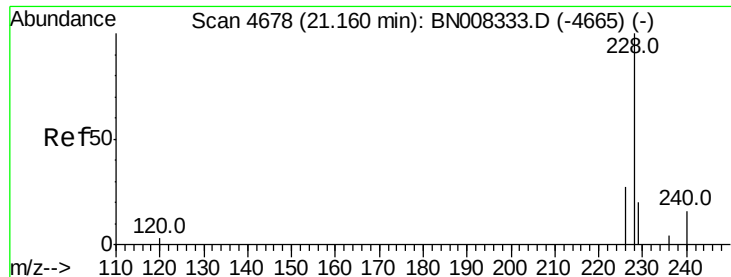


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.587 ng/ul

RT: 21.15 min Scan# 4676

Delta R.T. -0.01 min

Lab File: BN008358.D

Acq: 23 Oct 2019 20:20

Instrument :

BNA_N

ClientSampleId :

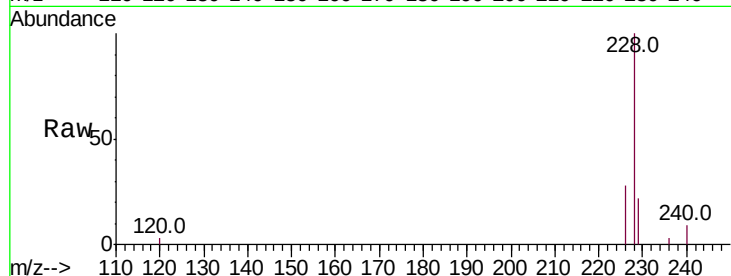
Tot Ion:228 Resp: 23751

Ion Ratio Lower Upper

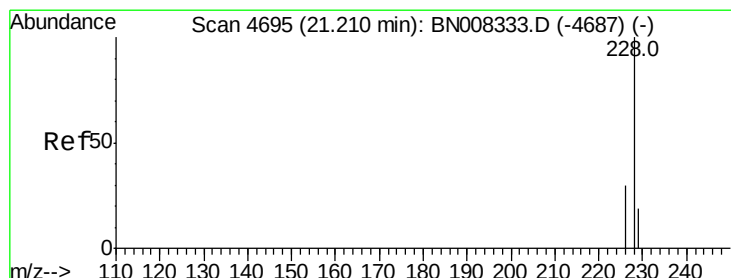
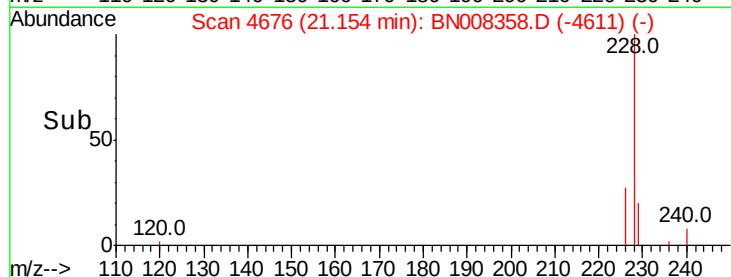
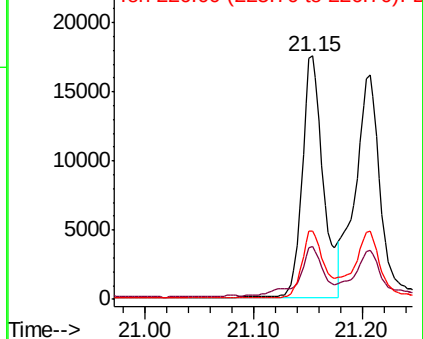
228 100

229 21.6 16.2 24.2

226 28.1 21.4 32.0



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: 0.532 ng/ul

RT: 21.21 min Scan# 4694

Delta R.T. -0.01 min

Lab File: BN008358.D

Acq: 23 Oct 2019 20:20

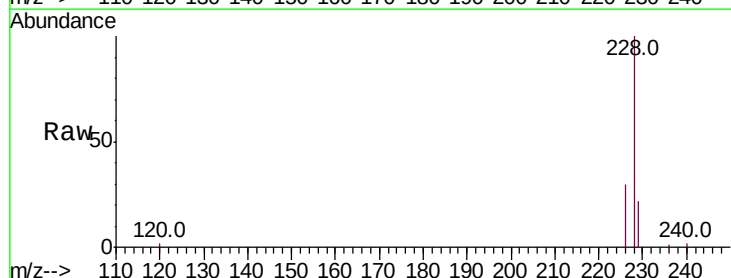
Tgt Ion:228 Resp: 26409

Ion Ratio Lower Upper

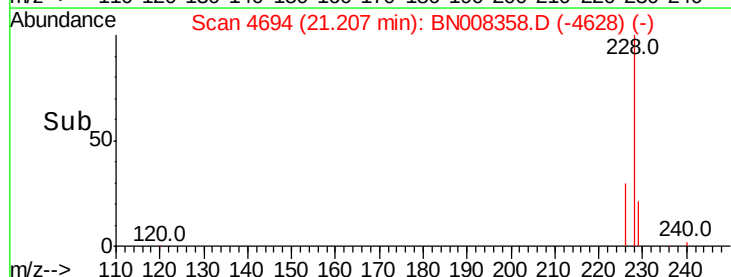
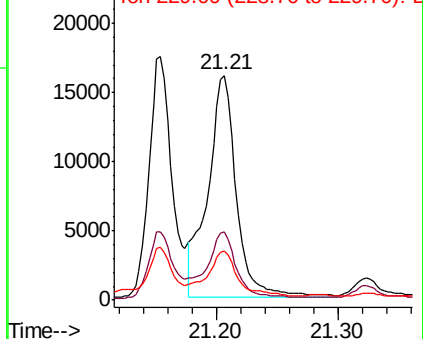
228 100

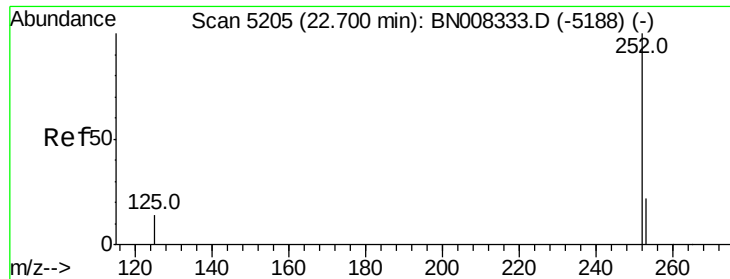
226 30.2 24.1 36.1

229 22.0 16.2 24.2



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: 1.121 ng/ul

RT: 22.70 min Scan# 5205

Delta R.T. -0.01 min

Lab File: BN008358.D

Acq: 23 Oct 2019 20:20

Instrument :

BNA_N

ClientSampleId :

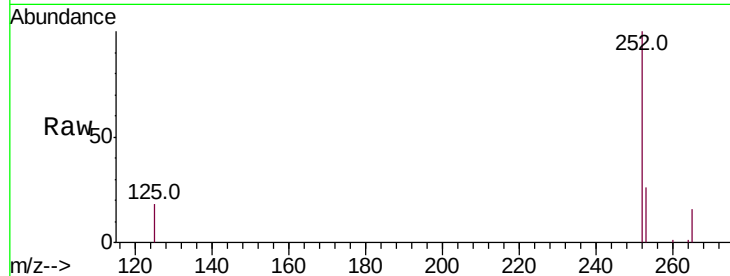
Tot Ion:252 Resp: 32958

Ion Ratio Lower Upper

252 100

253 25.9 0.0 53.4

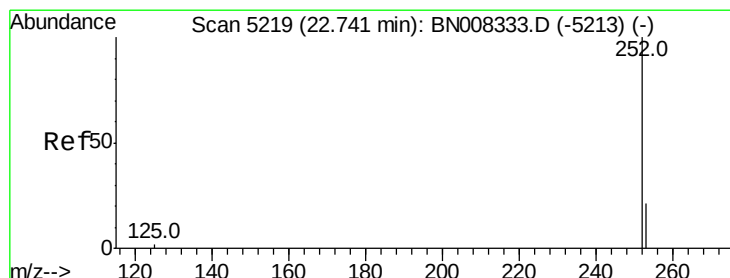
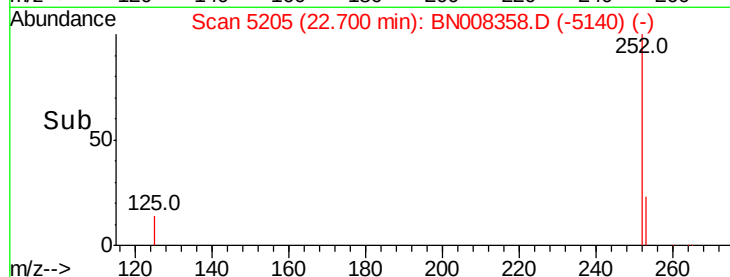
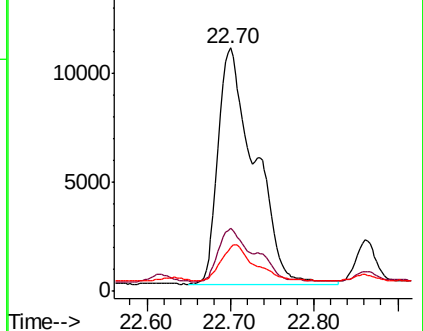
125 18.3 0.0 32.4



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: 0.990 ng/ul

RT: 22.70 min Scan# 5205

Delta R.T. -0.05 min

Lab File: BN008358.D

Acq: 23 Oct 2019 20:20

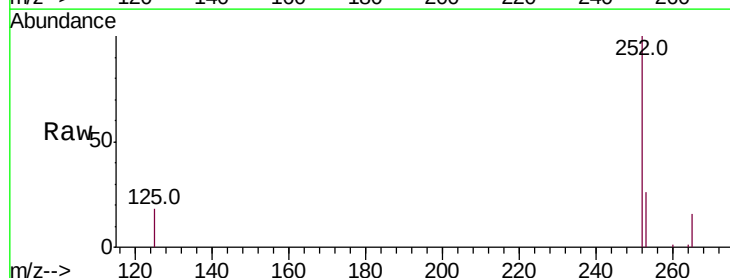
Tgt Ion:252 Resp: 32958

Ion Ratio Lower Upper

252 100

253 25.9 21.3 31.9

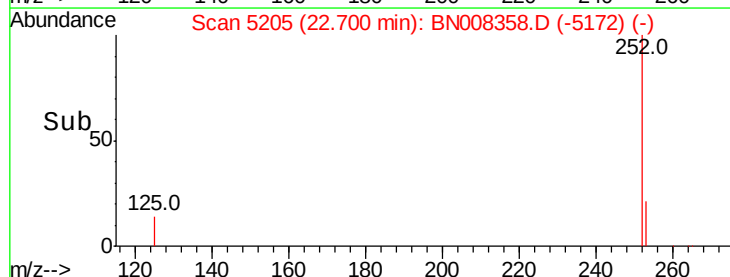
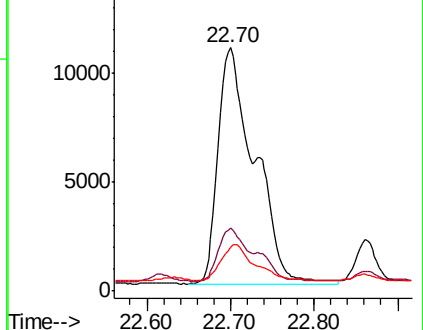
125 18.3 12.3 18.5

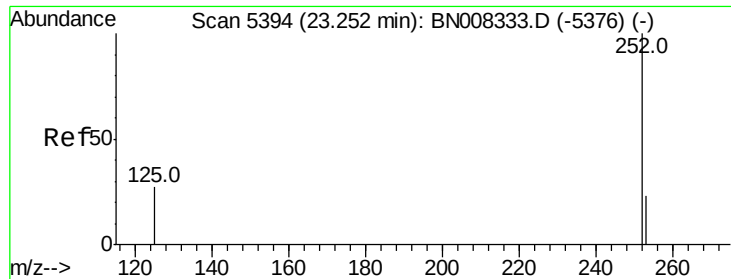


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.550 ng/ul

RT: 23.24 min Scan# 5391

Delta R.T. -0.02 min

Lab File: BN008358.D

Acq: 23 Oct 2019 20:20

Instrument :

BNA_N

ClientSampleId :

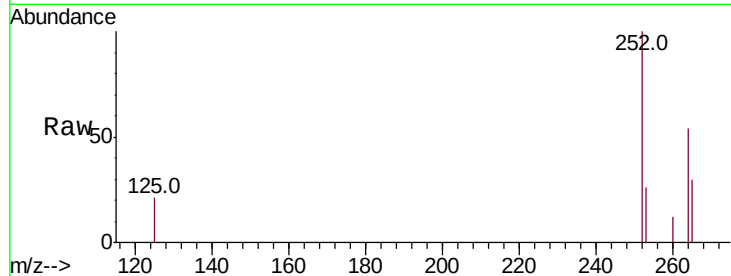
Tot Ion:252 Resp: 17014

Ion Ratio Lower Upper

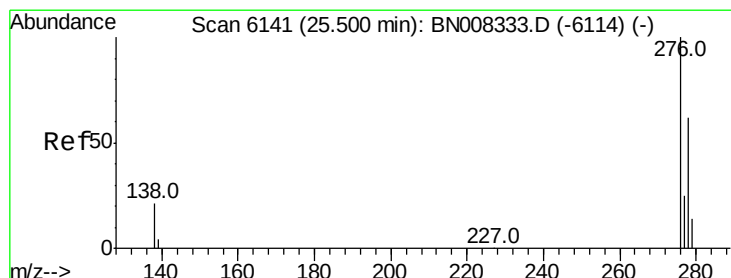
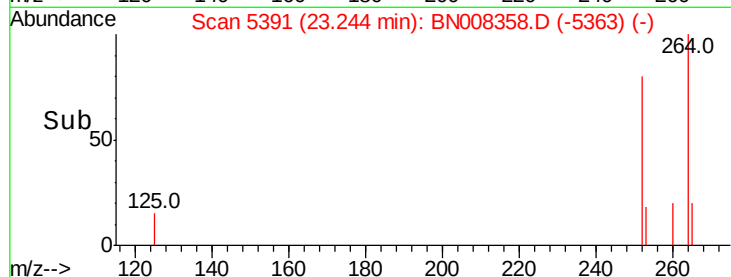
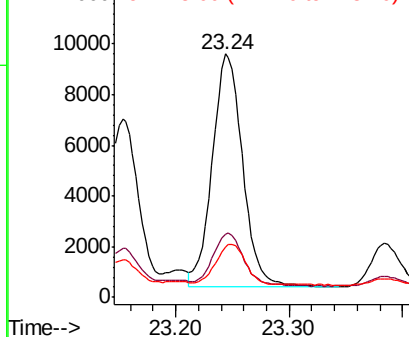
252 100

253 26.1 22.8 34.2

125 20.7 18.4 27.6



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.254 ng/ul

RT: 25.49 min Scan# 6139

Delta R.T. -0.02 min

Lab File: BN008358.D

Acq: 23 Oct 2019 20:20

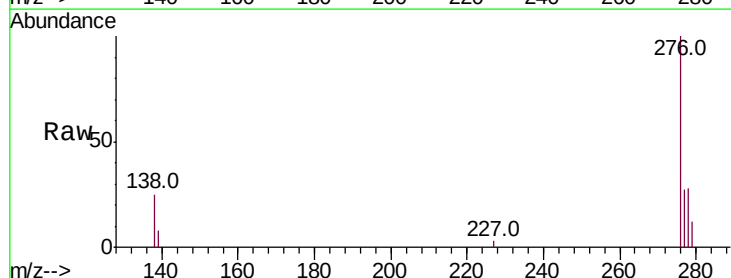
Tgt Ion:276 Resp: 9258

Ion Ratio Lower Upper

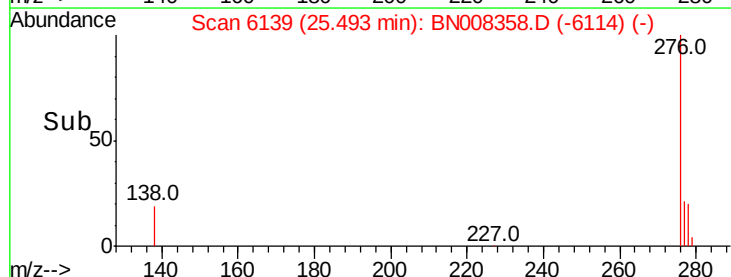
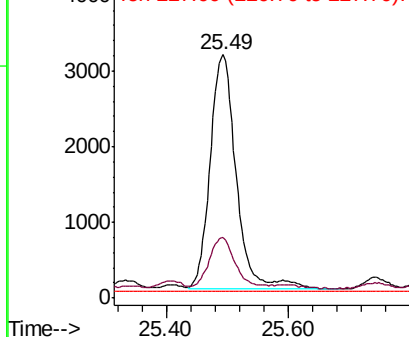
276 100

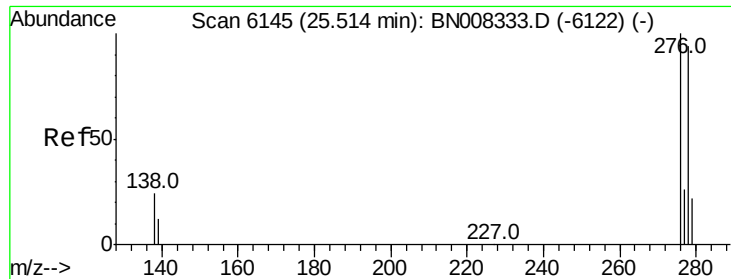
138 23.5 16.1 24.1

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

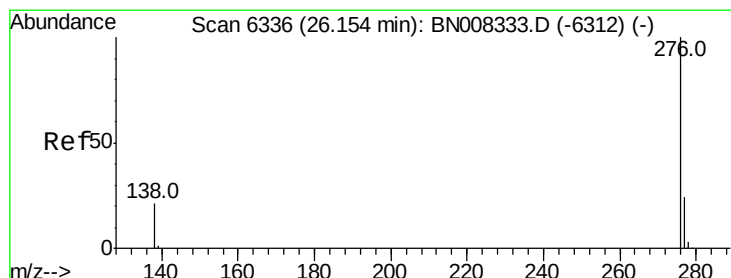
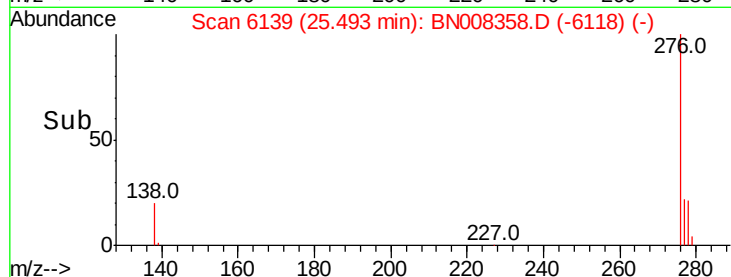
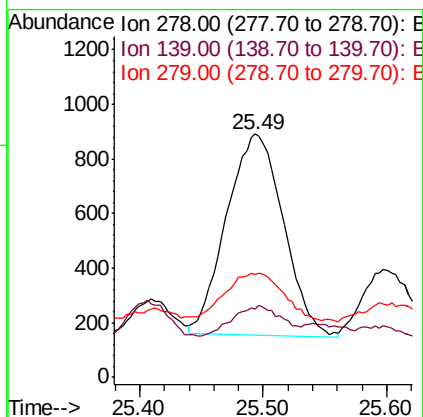
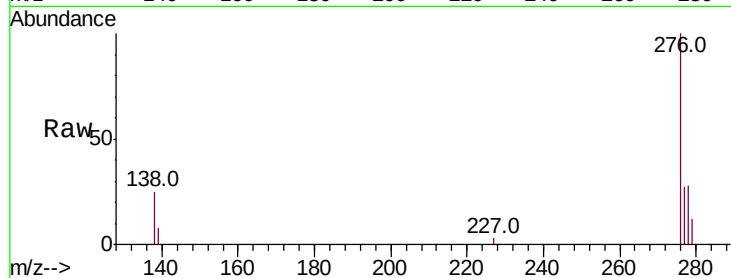




#25
Dibenzo(a,h)anthracene
Concen: 0.081 ng/ul
RT: 25.49 min Scan# 6139
Delta R.T. -0.03 min
Lab File: BN008358.D
Acq: 23 Oct 2019 20:20

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 2343
Ion Ratio Lower Upper
278 100
139 28.1 15.0 22.6#
279 42.3 22.4 33.6#



#26
Benzo(g,h,i)perylene
Concen: 0.219 ng/ul
RT: 26.14 min Scan# 6333
Delta R.T. -0.02 min
Lab File: BN008358.D
Acq: 23 Oct 2019 20:20

Tgt Ion:276 Resp: 7308
Ion Ratio Lower Upper
276 100
138 25.4 17.0 25.4#
277 26.9 20.4 30.6

