

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008355.D
 Acq On : 23 Oct 2019 18:32
 Operator : JU
 Sample : K5223-05DL 2X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 24 01:38:38 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

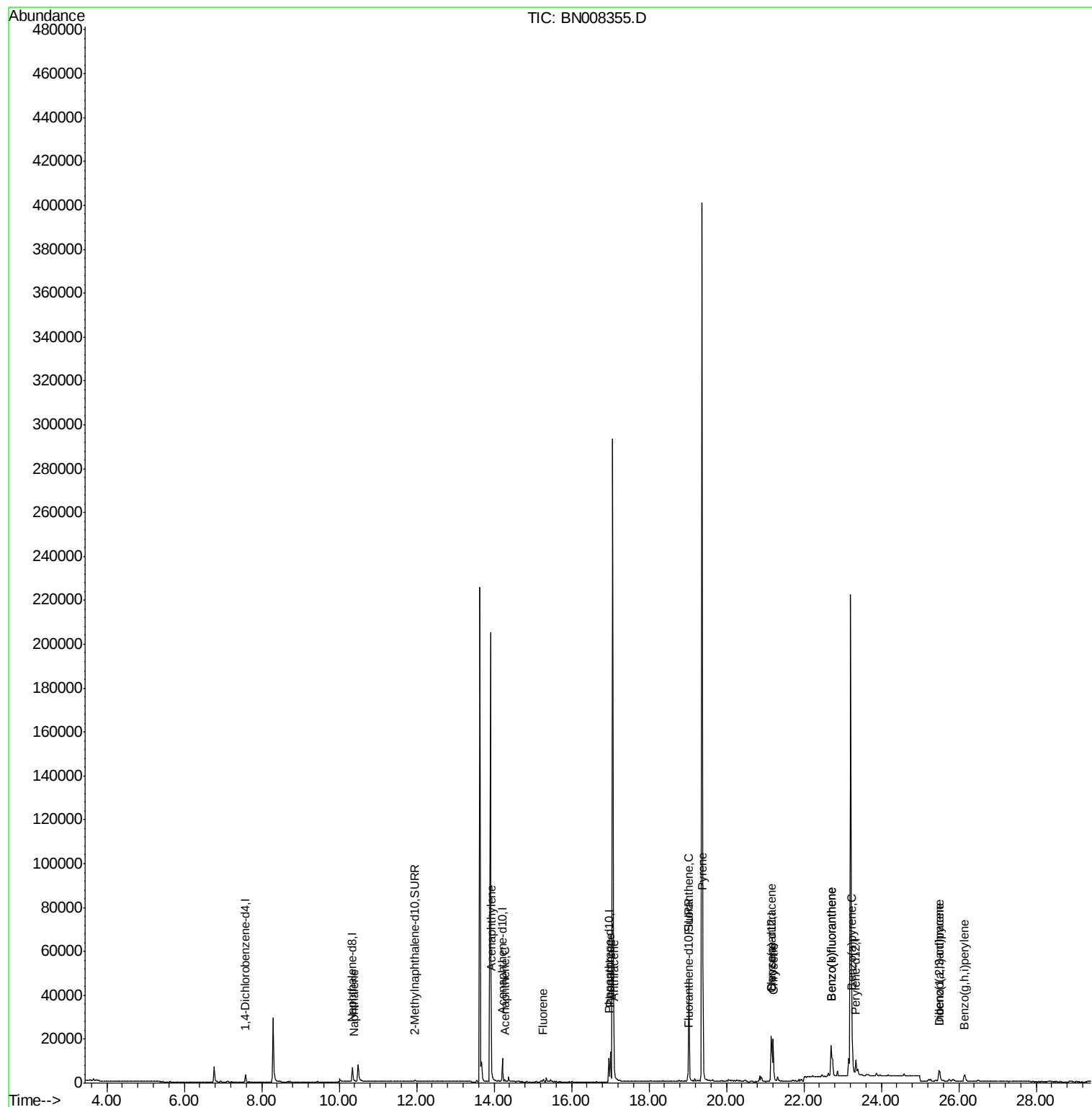
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1902	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.34	136	9250	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.21	164	5880	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	12673	0.40	ng/ul	-0.01
16) Chrysene-d12	21.17	240	10584	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	8589	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	1572	0.10	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	4482	0.10	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.39	128	602	0.023	ng/ul#	70
7) Acenaphthylene	13.93	152	1324	0.047	ng/ul#	60
8) Acenaphthene	14.28	153	491	0.023	ng/ul	95
9) Fluorene	15.27	166	643	0.026	ng/ul#	91
12) Phenanthrene	17.00	178	14920	0.402	ng/ul	100
13) Anthracene	17.10	178	2752	0.084	ng/ul	94
15) Fluoranthene	19.03	202	40080	0.818	ng/ul	98
17) Pyrene	19.39	202	37668	0.894	ng/ul	98
18) Benzo(a)anthracene	21.16	228	17492	0.455	ng/ul	97
19) Chrysene	21.21	228	21412	0.453	ng/ul	98
21) Benzo(b)fluoranthene	22.70	252	31594	1.130	ng/ul	98
22) Benzo(k)fluoranthene	22.70	252	31594	0.998	ng/ul	98
23) Benzo(a)pyrene	23.25	252	14510	0.493	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.49	276	9012	0.260	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.50	278	1967	0.072	ng/ul#	71
26) Benzo(a,h,i)perylene	26.15	276	6929	0.218	ng/ul	95

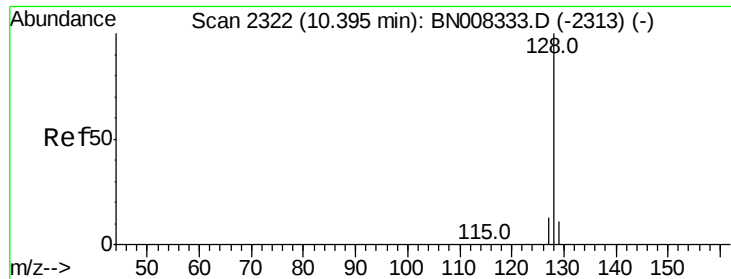
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 23 14:07:55 2019
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#3

Naphthalene

Concen: 0.023 ng/ul

RT: 10.39 min Scan# 2321

Delta R.T. -0.01 min

Lab File: BN008355.D

Acq: 23 Oct 2019 18:32

Instrument :

BNA_N

ClientSampled :

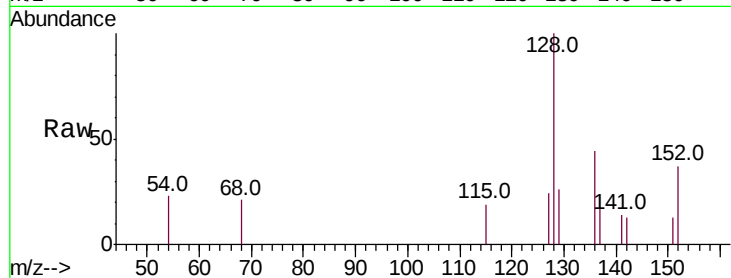
Tot Ion:128 Resp: 602

Ion Ratio Lower Upper

128 100

129 26.2 9.8 14.8#

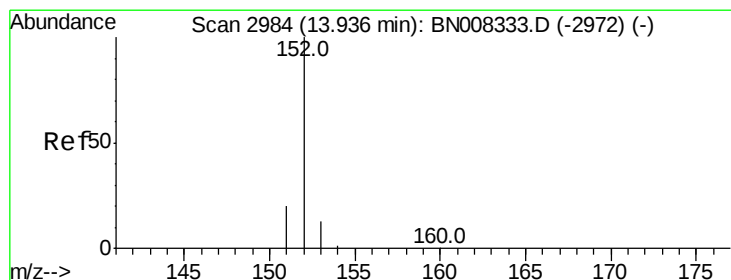
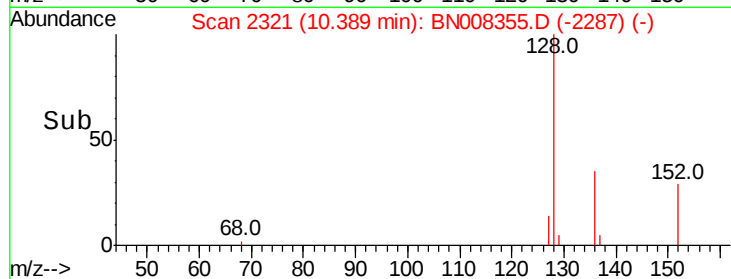
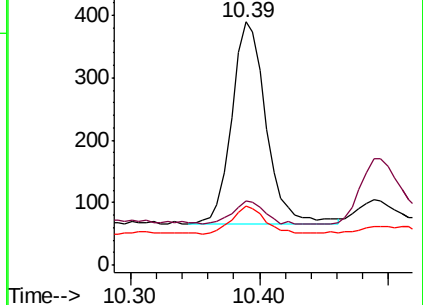
127 24.4 11.1 16.7#



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: 0.047 ng/ul

RT: 13.93 min Scan# 2983

Delta R.T. -0.01 min

Lab File: BN008355.D

Acq: 23 Oct 2019 18:32

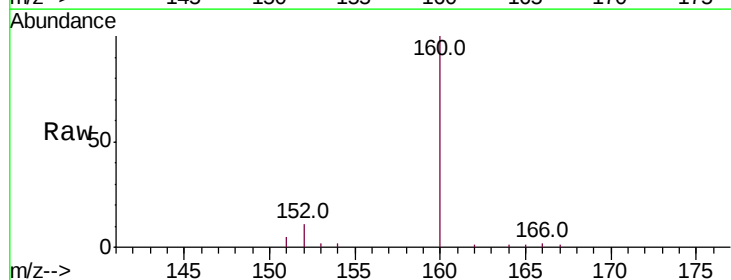
Tgt Ion:152 Resp: 1324

Ion Ratio Lower Upper

152 100

151 46.1 16.2 24.4#

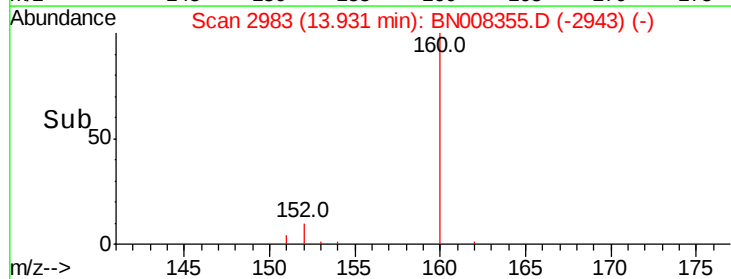
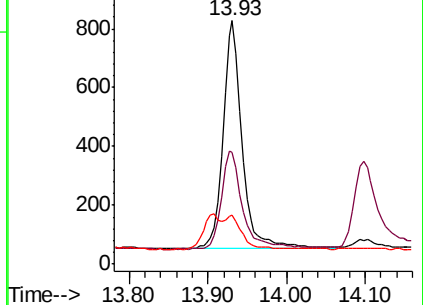
153 19.9 11.0 16.4#

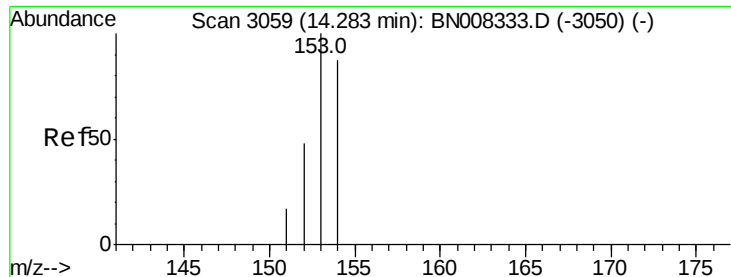


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.023 ng/ul

RT: 14.28 min Scan# 3058

Delta R.T. -0.01 min

Lab File: BN008355.D

Acq: 23 Oct 2019 18:32

Instrument :

BNA_N

ClientSampleId :

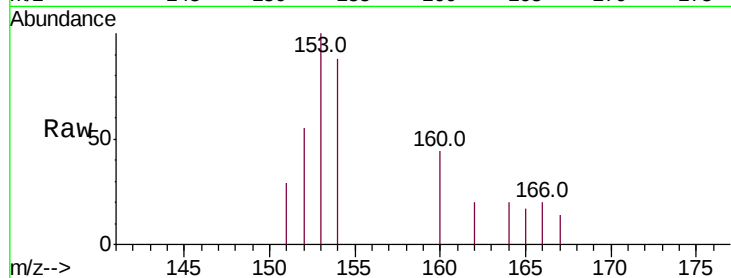
Tot Ion:153 Resp: 491

Ion Ratio Lower Upper

153 100

152 55.2 38.2 57.2

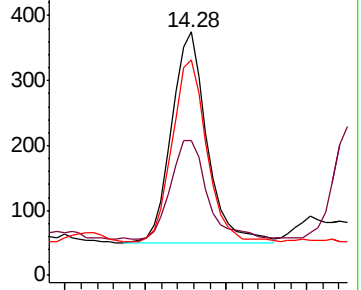
154 88.3 71.8 107.8



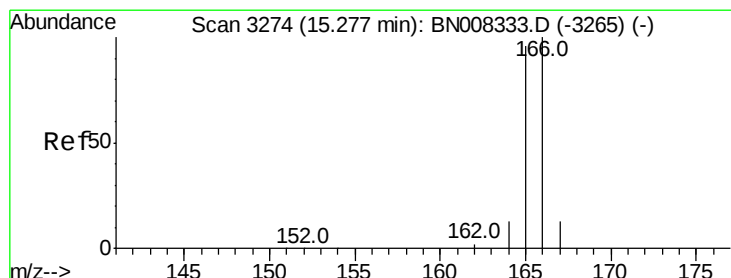
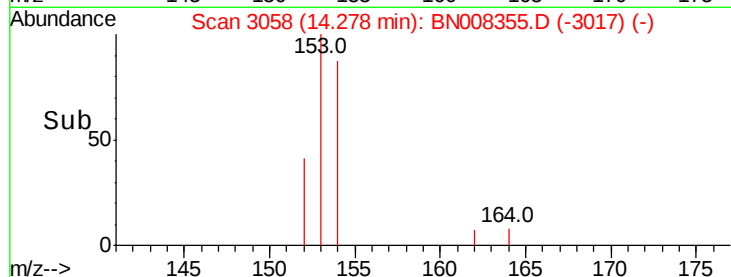
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time--> 14.20 14.25 14.30 14.35



#9

Fluorene

Concen: 0.026 ng/ul

RT: 15.27 min Scan# 3272

Delta R.T. -0.01 min

Lab File: BN008355.D

Acq: 23 Oct 2019 18:32

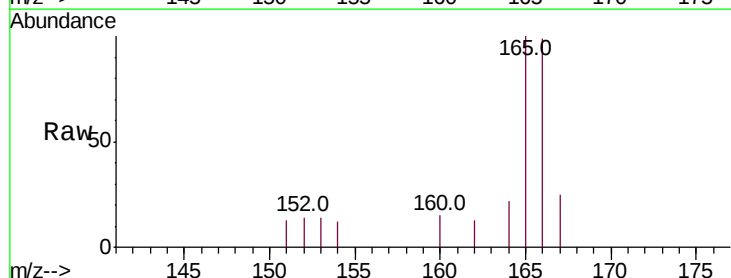
Tgt Ion:166 Resp: 643

Ion Ratio Lower Upper

166 100

165 101.4 76.6 115.0

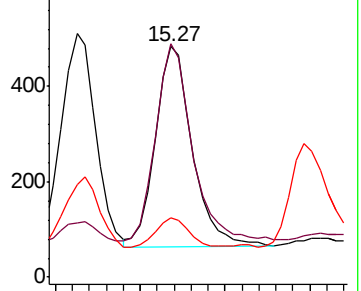
167 25.7 11.7 17.5#



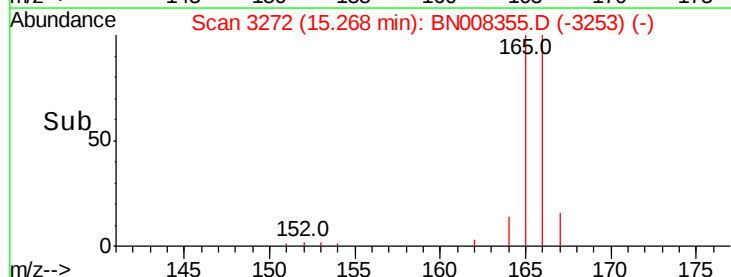
Abundance Ion 166.00 (165.70 to 166.70): E

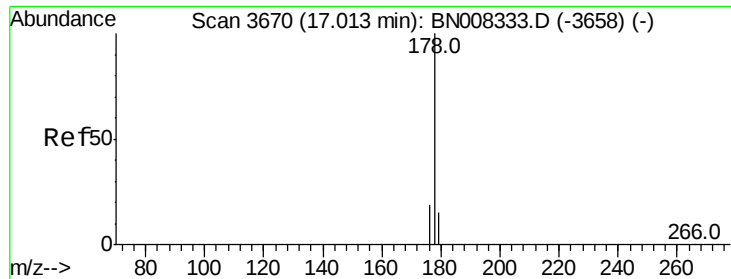
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 15.20 15.25 15.30 15.35





#12

Phenanthrene

Concen: 0.402 ng/ul

RT: 17.00 min Scan# 3668

Delta R.T. -0.01 min

Lab File: BN008355.D

Acq: 23 Oct 2019 18:32

Instrument :

BNA_N

ClientSampleId :

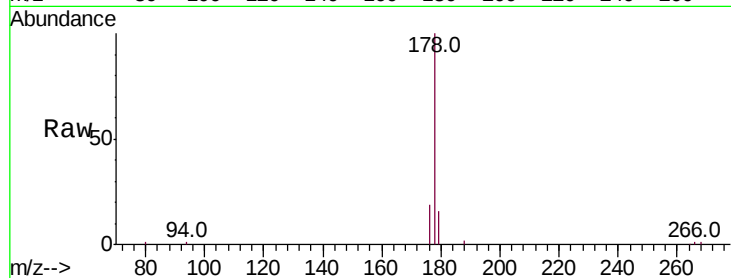
Tot Ion:178 Resp: 14920

Ion Ratio Lower Upper

178 100

179 15.8 12.8 19.2

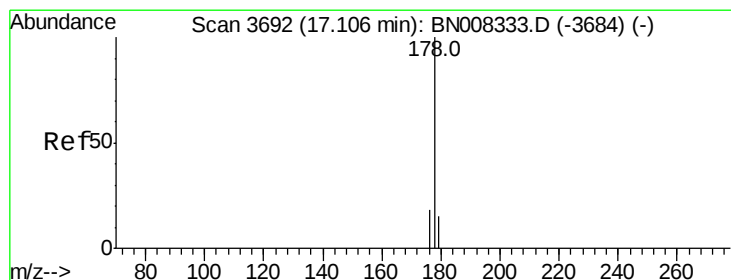
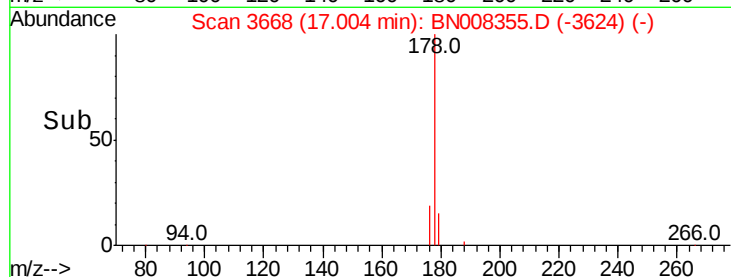
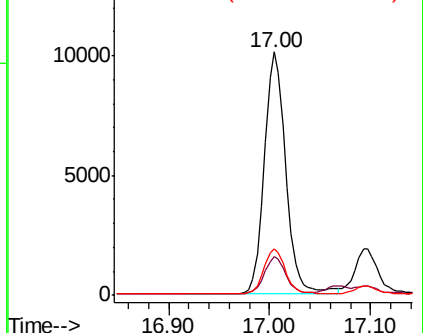
176 19.2 15.4 23.2



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: 0.084 ng/ul

RT: 17.10 min Scan# 3690

Delta R.T. -0.01 min

Lab File: BN008355.D

Acq: 23 Oct 2019 18:32

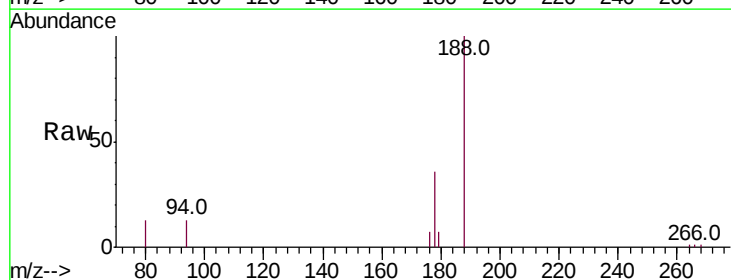
Tgt Ion:178 Resp: 2752

Ion Ratio Lower Upper

178 100

179 19.5 13.0 19.6

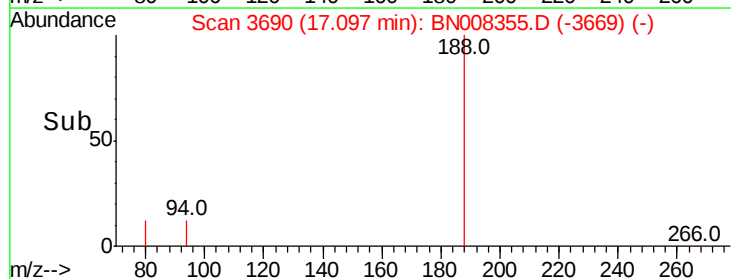
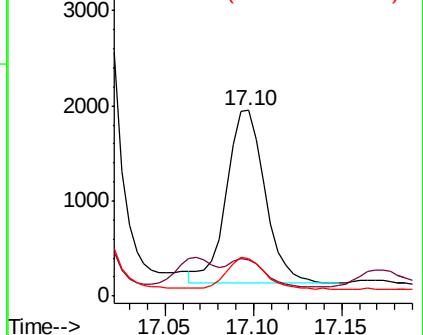
176 20.6 15.0 22.6

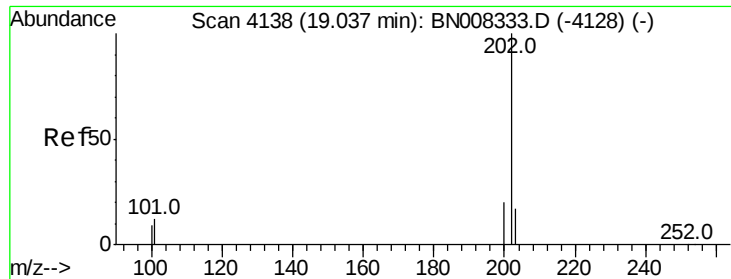


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.818 ng/ul

RT: 19.03 min Scan# 4137

Delta R.T. -0.01 min

Lab File: BN008355.D

Acq: 23 Oct 2019 18:32

Instrument :

BNA_N

ClientSampleId :

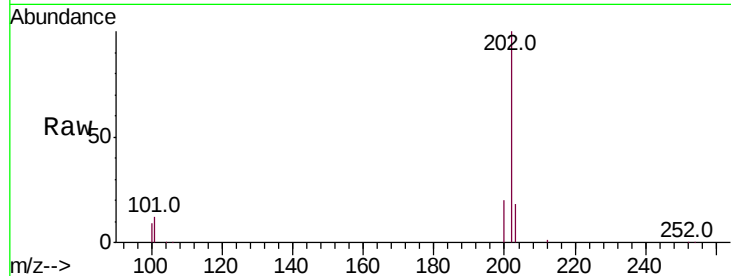
Tot Ion:202 Resp: 40080

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.2

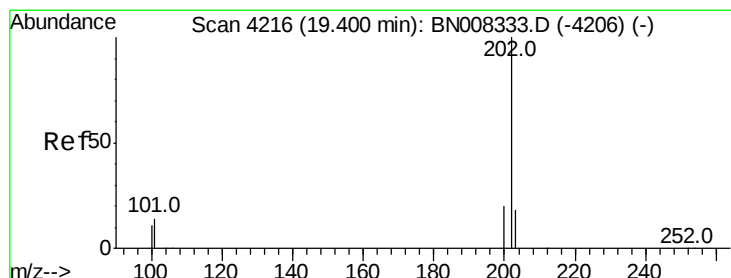
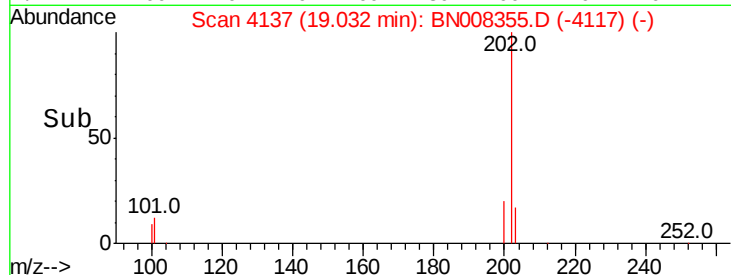
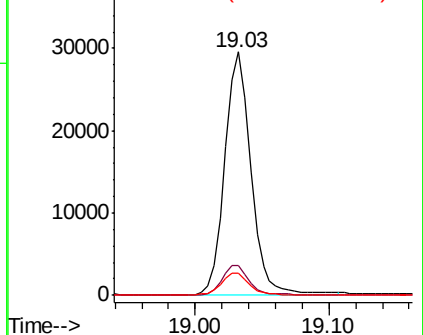
100 8.9 0.0 28.5



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: 0.894 ng/ul

RT: 19.39 min Scan# 4215

Delta R.T. -0.01 min

Lab File: BN008355.D

Acq: 23 Oct 2019 18:32

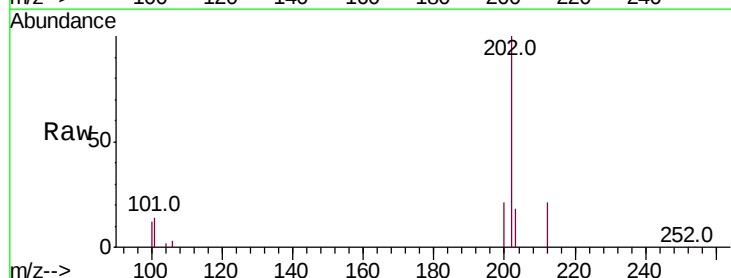
Tgt Ion:202 Resp: 37668

Ion Ratio Lower Upper

202 100

101 14.1 10.9 16.3

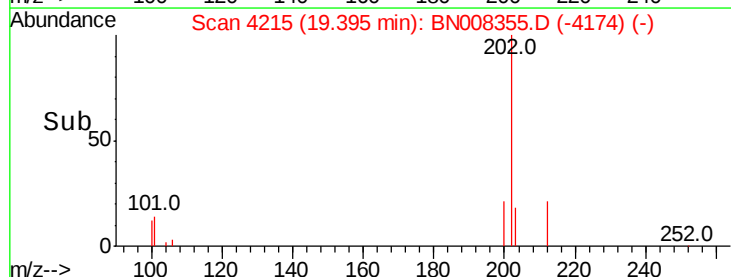
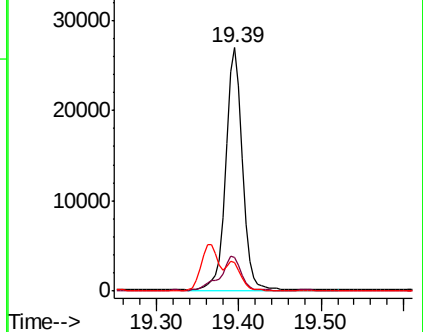
100 11.8 8.7 13.1

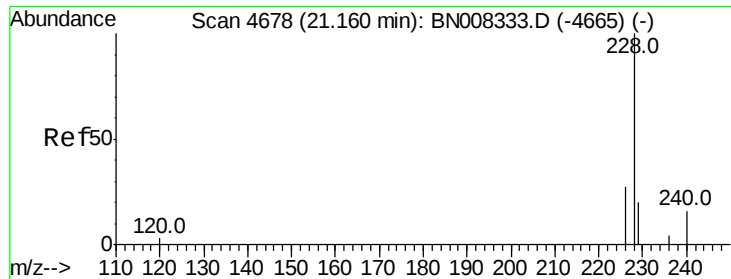


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.455 ng/ul

RT: 21.16 min Scan# 4677

Delta R.T. -0.01 min

Lab File: BN008355.D

Acq: 23 Oct 2019 18:32

Instrument :

BNA_N

ClientSampleId :

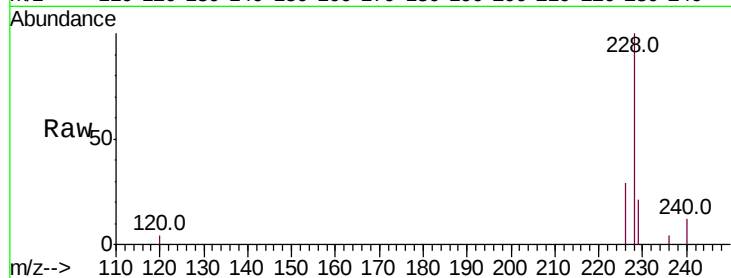
Tot Ion:228 Resp: 17492

Ion Ratio Lower Upper

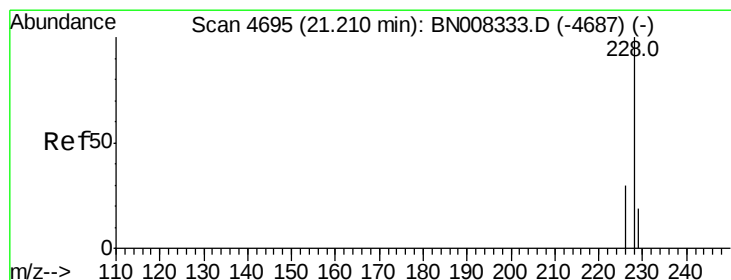
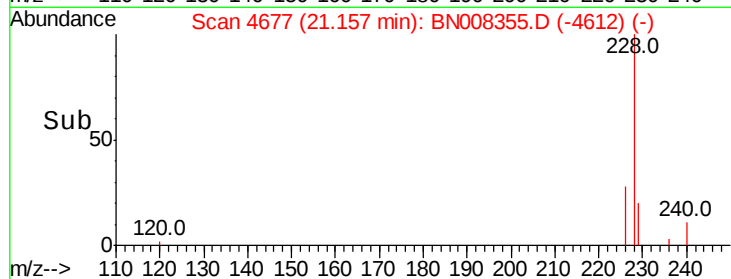
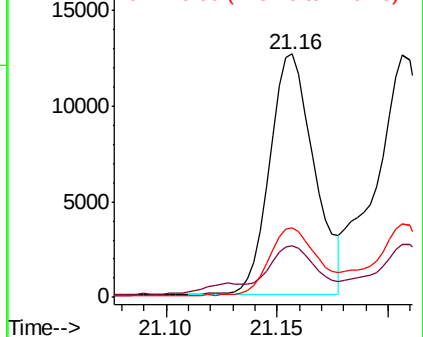
228 100

229 21.4 16.2 24.2

226 28.8 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: 0.453 ng/ul

RT: 21.21 min Scan# 4694

Delta R.T. -0.01 min

Lab File: BN008355.D

Acq: 23 Oct 2019 18:32

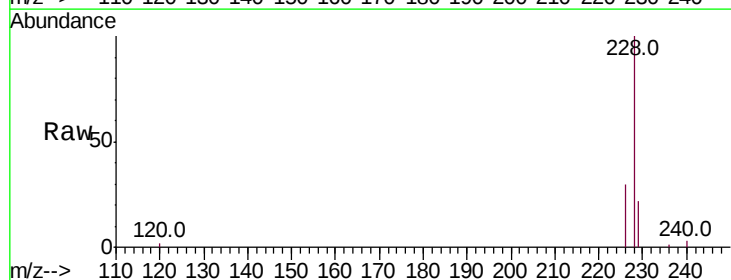
Tgt Ion:228 Resp: 21412

Ion Ratio Lower Upper

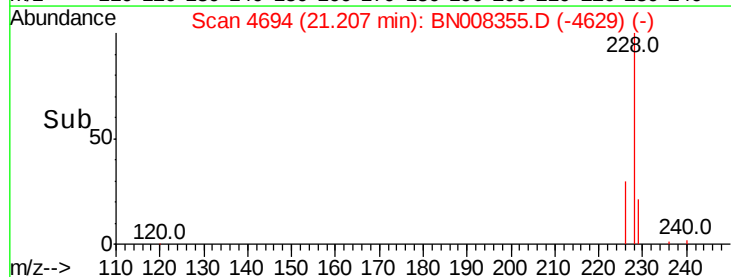
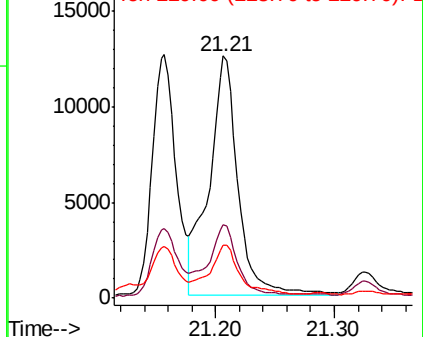
228 100

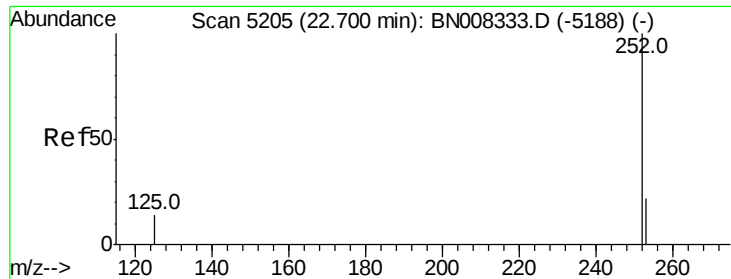
226 30.4 24.1 36.1

229 21.9 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: 1.130 ng/u1

RT: 22.70 min Scan# 5205

Delta R.T. -0.01 min

Lab File: BN008355.D

Acq: 23 Oct 2019 18:32

Instrument :

BNA_N

ClientSampleId :

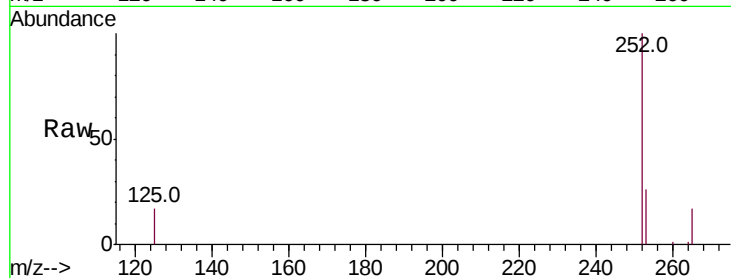
Tot Ion:252 Resp: 31594

Ion Ratio Lower Upper

252 100

253 25.8 0.0 53.4

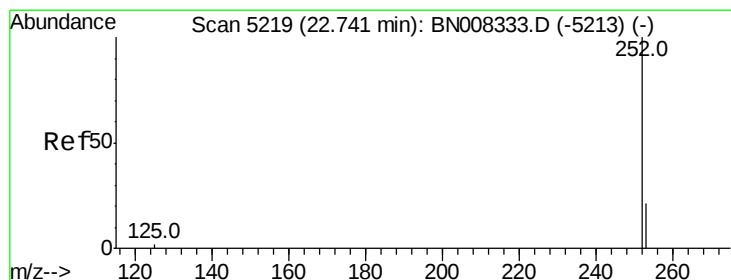
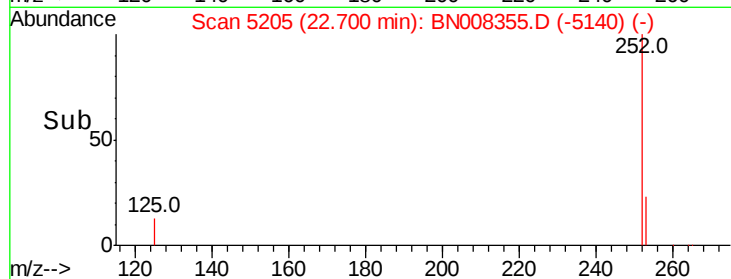
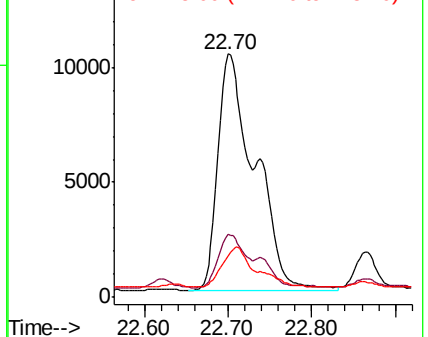
125 16.7 0.0 32.4



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: 0.998 ng/u1

RT: 22.70 min Scan# 5205

Delta R.T. -0.05 min

Lab File: BN008355.D

Acq: 23 Oct 2019 18:32

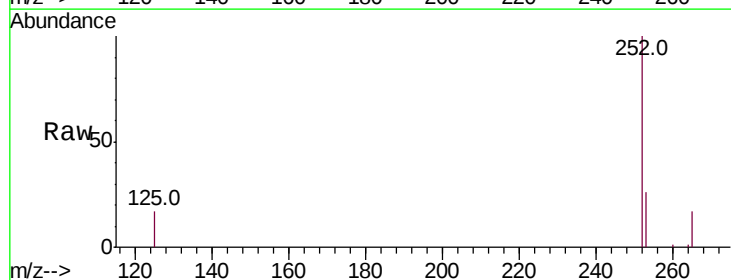
Tgt Ion:252 Resp: 31594

Ion Ratio Lower Upper

252 100

253 25.8 21.3 31.9

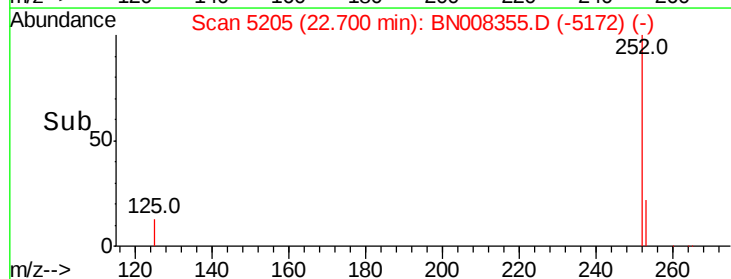
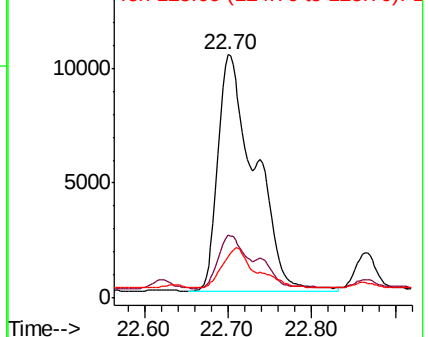
125 16.7 12.3 18.5

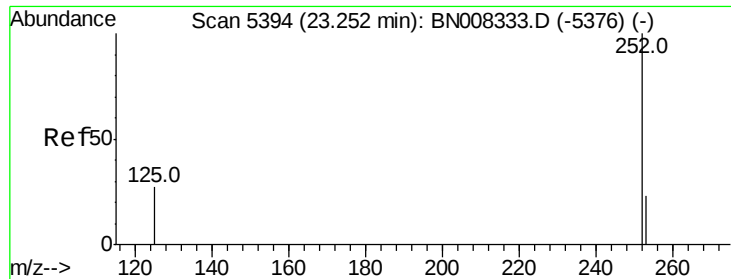


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.493 ng/ul

RT: 23.25 min Scan# 5393

Delta R.T. -0.01 min

Lab File: BN008355.D

Acq: 23 Oct 2019 18:32

Instrument :

BNA_N

ClientSampleId :

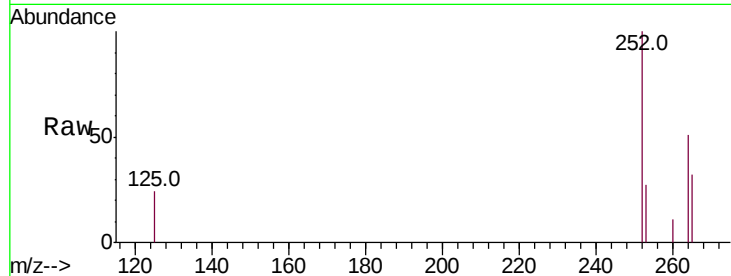
Tot Ion:252 Resp: 14510

Ion Ratio Lower Upper

252 100

253 27.3 22.8 34.2

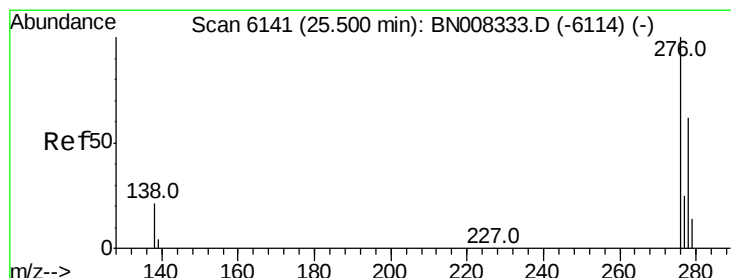
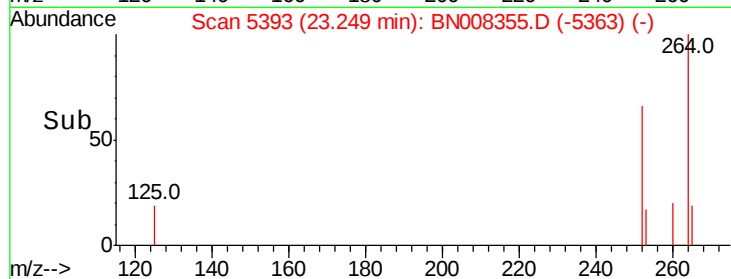
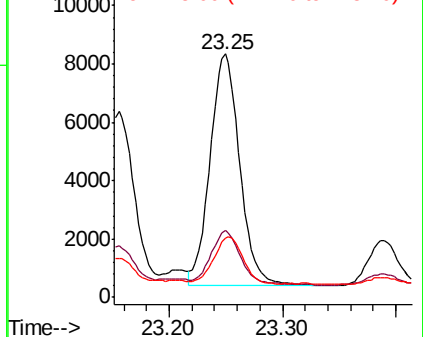
125 24.4 18.4 27.6



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: 0.260 ng/ul

RT: 25.49 min Scan# 6139

Delta R.T. -0.02 min

Lab File: BN008355.D

Acq: 23 Oct 2019 18:32

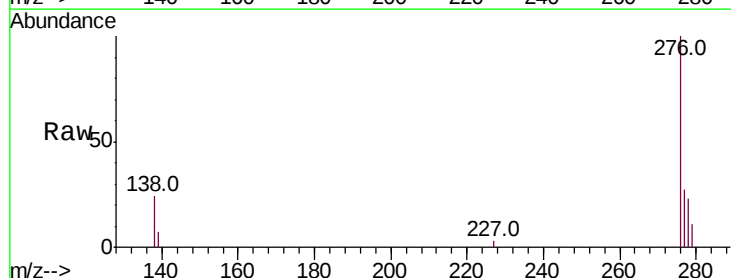
Tgt Ion:276 Resp: 9012

Ion Ratio Lower Upper

276 100

138 20.2 16.1 24.1

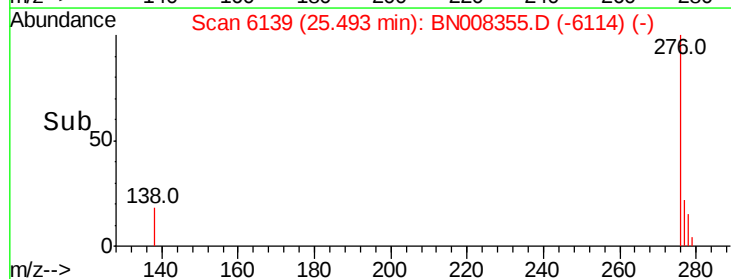
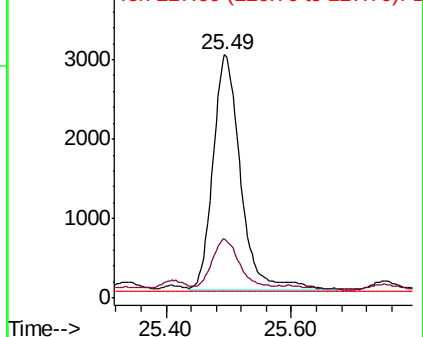
227 0.1 0.2 0.2#

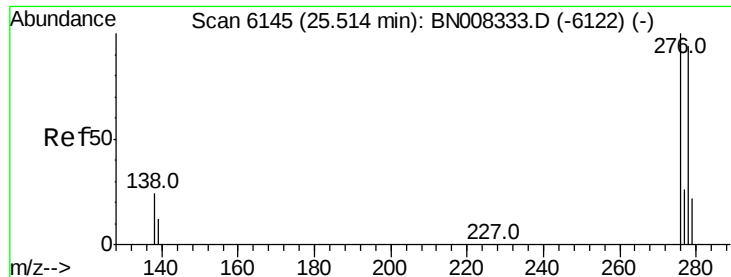


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.072 ng/ul

RT: 25.50 min Scan# 6141

Delta R.T. -0.02 min

Lab File: BN008355.D

Acq: 23 Oct 2019 18:32

Instrument :

BNA_N

ClientSampled :

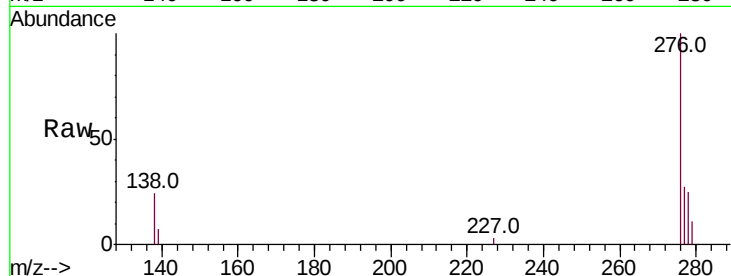
Tot Ion:278 Resp: 1967

Ion Ratio Lower Upper

278 100

139 29.9 15.0 22.6#

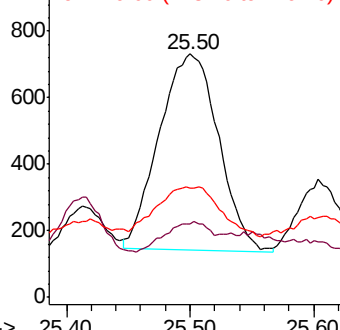
279 44.8 22.4 33.6#



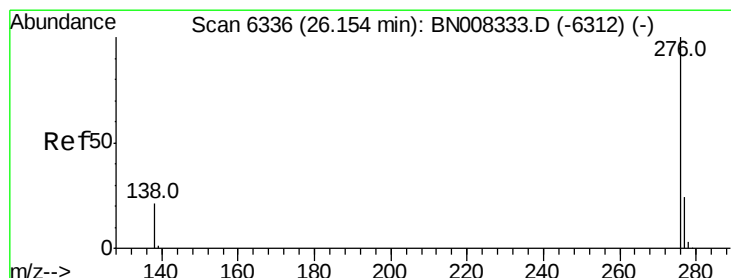
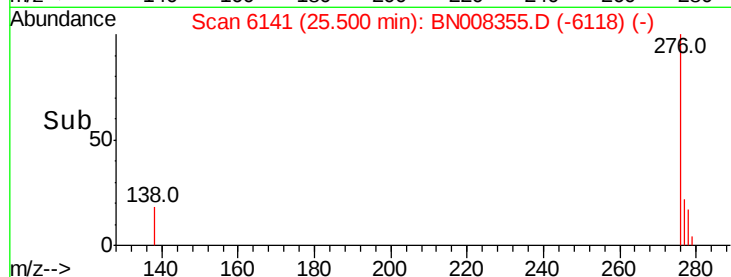
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 25.40 25.50 25.60



#26

Benzo(g,h,i)perylene

Concen: 0.218 ng/ul

RT: 26.15 min Scan# 6335

Delta R.T. -0.02 min

Lab File: BN008355.D

Acq: 23 Oct 2019 18:32

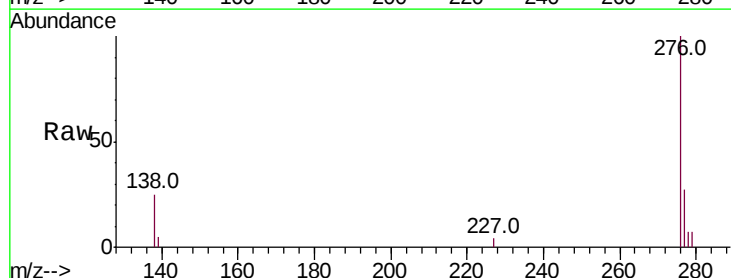
Tgt Ion:276 Resp: 6929

Ion Ratio Lower Upper

276 100

138 24.9 17.0 25.4

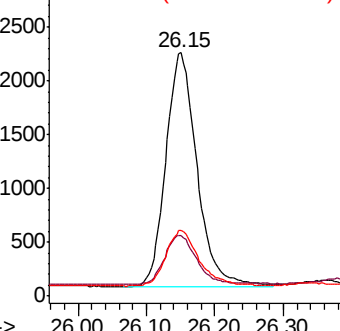
277 26.7 20.4 30.6



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



Time--> 26.00 26.10 26.20 26.30

