

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008360.D
 Acq On : 23 Oct 2019 21:31
 Operator : JU
 Sample : K5223-06DL 5X
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 24 01:39:07 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

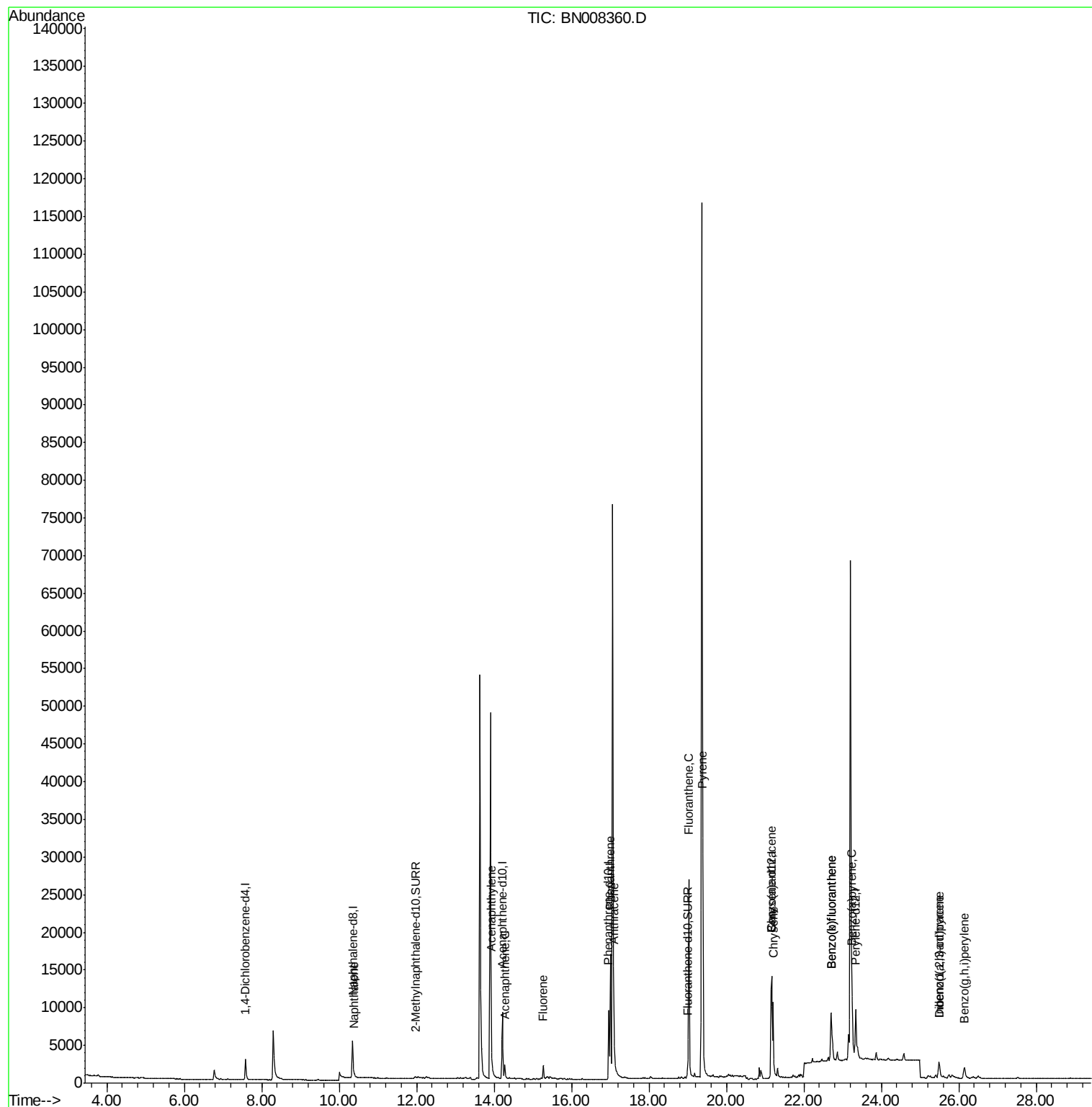
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1708	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.35	136	8090	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.21	164	5350	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	11327	0.40	ng/ul	-0.01
16) Chrysene-d12	21.17	240	9656	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	7874	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	548	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	1703	0.04	ng/ul	-0.01
Target Compounds					Ovalue	
3) Naphthalene	10.39	128	485	0.021	ng/ul#	61
7) Acenaphthylene	13.93	152	557	0.022	ng/ul#	71
8) Acenaphthene	14.28	153	1147	0.058	ng/ul	97
9) Fluorene	15.27	166	1225	0.054	ng/ul#	97
12) Phenanthrene	17.00	178	19407	0.585	ng/ul	99
13) Anthracene	17.10	178	4734	0.162	ng/ul	96
15) Fluoranthene	19.03	202	25092	0.573	ng/ul	98
17) Pyrene	19.39	202	23921	0.622	ng/ul	100
18) Benzo(a)anthracene	21.15	228	11015	0.314	ng/ul	97
19) Chrysene	21.21	228	10138	0.235	ng/ul	98
21) Benzo(b)fluoranthene	22.70	252	14344	0.560	ng/ul	89
22) Benzo(k)fluoranthene	22.70	252	14344	0.494	ng/ul#	88
23) Benzo(a)pyrene	23.25	252	7258	0.269	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.49	276	3804	0.120	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.50	278	858	0.034	ng/ul#	40
26) Benzo(a,h,i)perylene	26.15	276	3211	0.110	ng/ul#	87

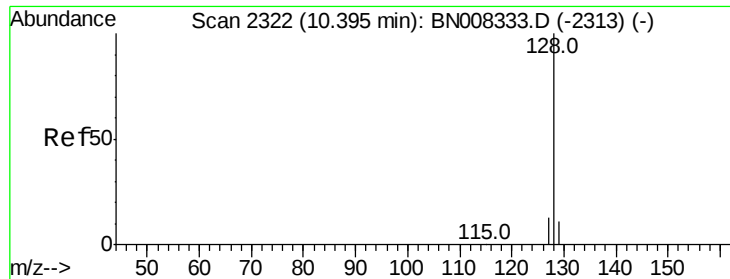
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
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QLast Update : Wed Oct 23 14:07:55 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.021 ng/ul

RT: 10.39 min Scan# 2321

Delta R.T. -0.01 min

Lab File: BN008360.D

Acq: 23 Oct 2019 21:31

Instrument :

BNA_N

ClientSampleId :

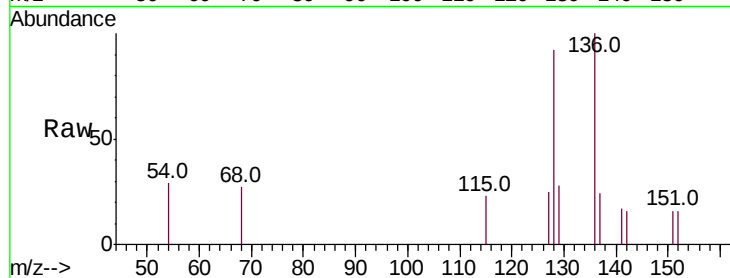
Tot Ion:128 Resp: 485

Ion Ratio Lower Upper

128 100

129 30.4 9.8 14.8#

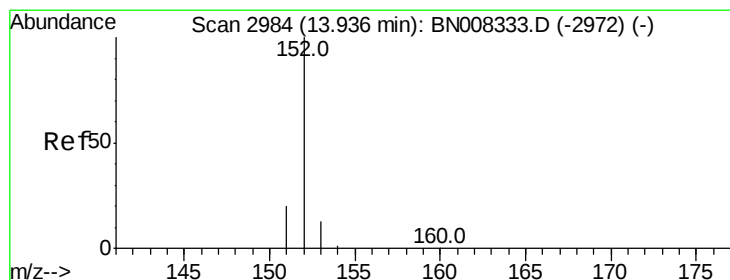
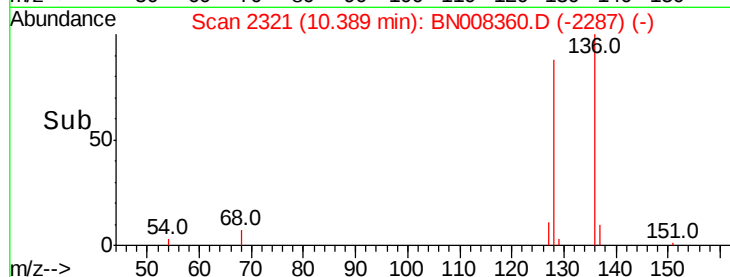
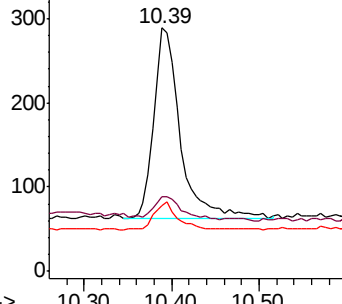
127 27.0 11.1 16.7#



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: 0.022 ng/ul

RT: 13.93 min Scan# 2983

Delta R.T. -0.01 min

Lab File: BN008360.D

Acq: 23 Oct 2019 21:31

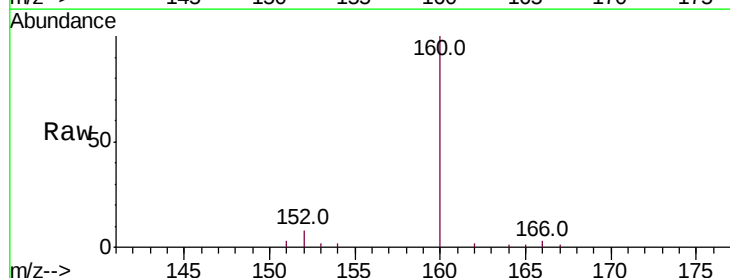
Tgt Ion:152 Resp: 557

Ion Ratio Lower Upper

152 100

151 31.8 16.2 24.4#

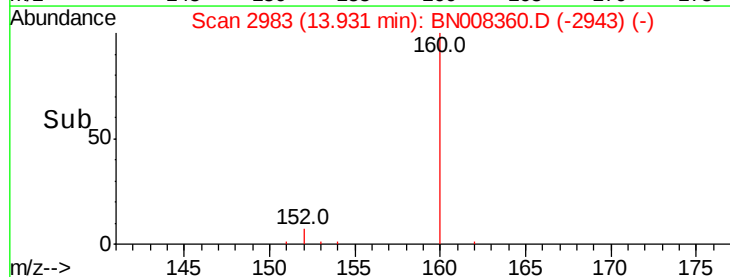
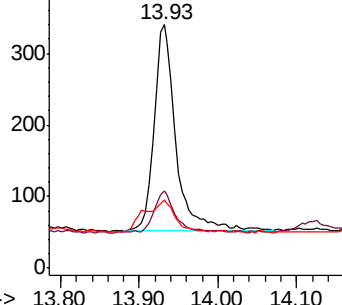
153 28.2 11.0 16.4#

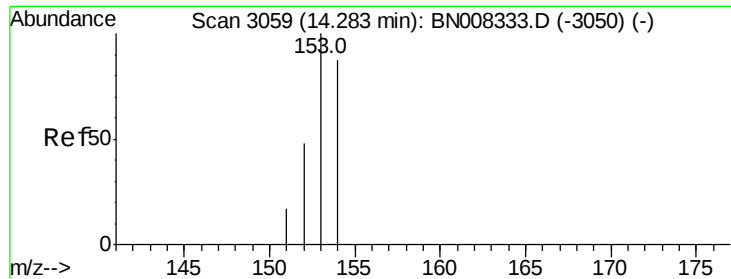


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.058 ng/ul

RT: 14.28 min Scan# 3058

Delta R.T. -0.01 min

Lab File: BN008360.D

Acq: 23 Oct 2019 21:31

Instrument :

BNA_N

ClientSampleId :

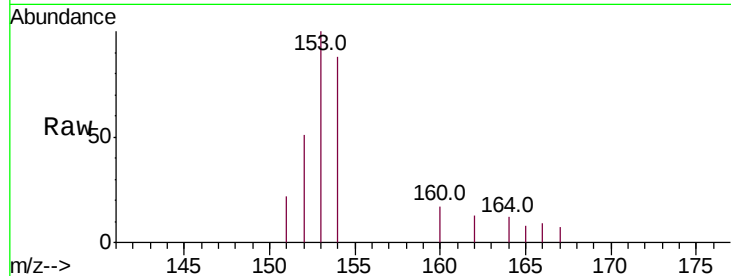
Tot Ion:153 Resp: 1147

Ion Ratio Lower Upper

153 100

152 51.3 38.2 57.2

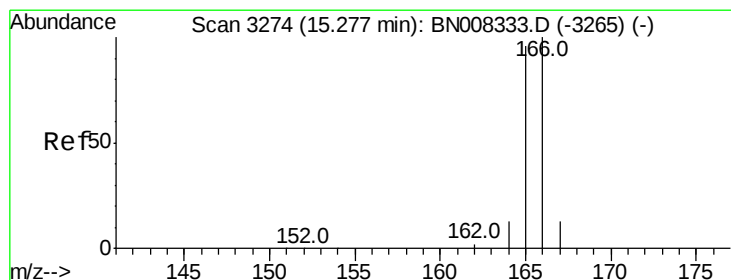
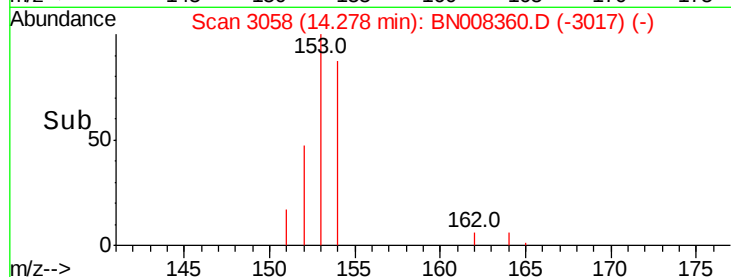
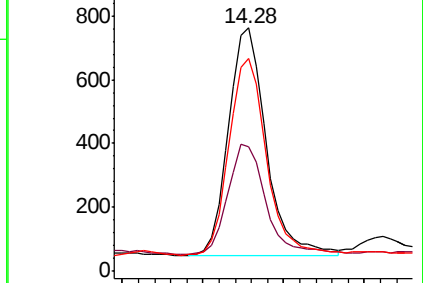
154 87.5 71.8 107.8



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



#9

Fluorene

Concen: 0.054 ng/ul

RT: 15.27 min Scan# 3272

Delta R.T. -0.01 min

Lab File: BN008360.D

Acq: 23 Oct 2019 21:31

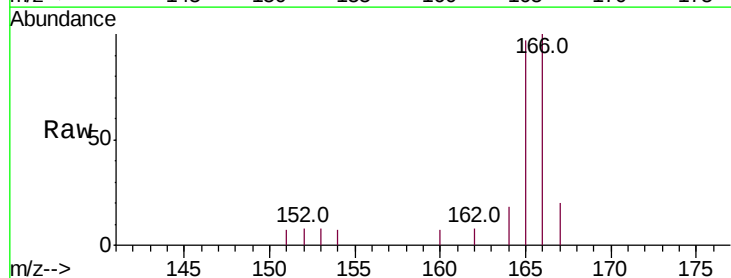
Tgt Ion:166 Resp: 1225

Ion Ratio Lower Upper

166 100

165 97.1 76.6 115.0

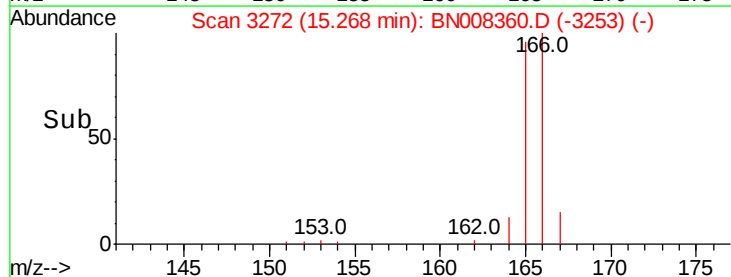
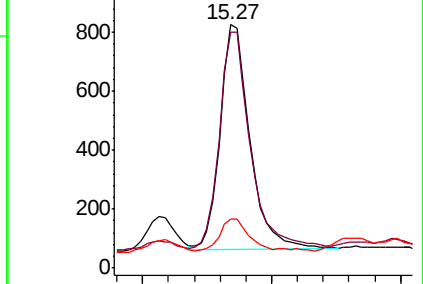
167 20.2 11.7 17.5#

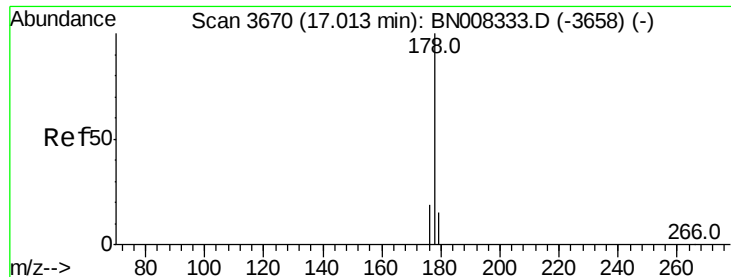


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.585 ng/ul

RT: 17.00 min Scan# 3668

Delta R.T. -0.01 min

Lab File: BN008360.D

Acq: 23 Oct 2019 21:31

Instrument :

BNA_N

ClientSampleId :

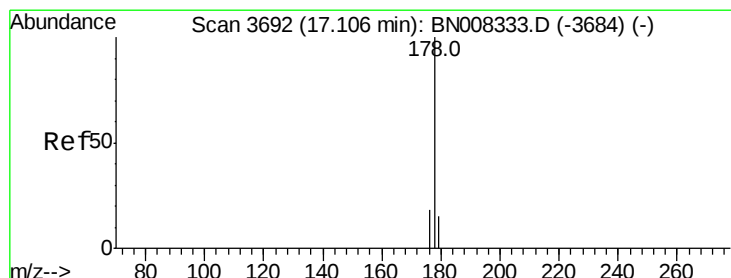
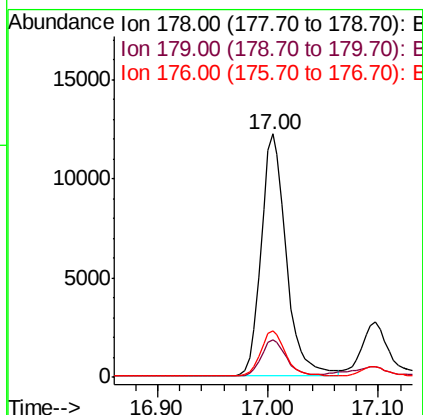
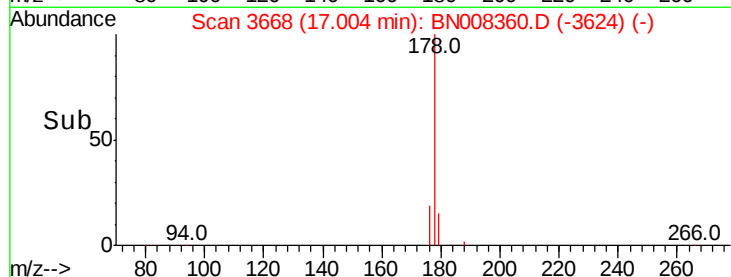
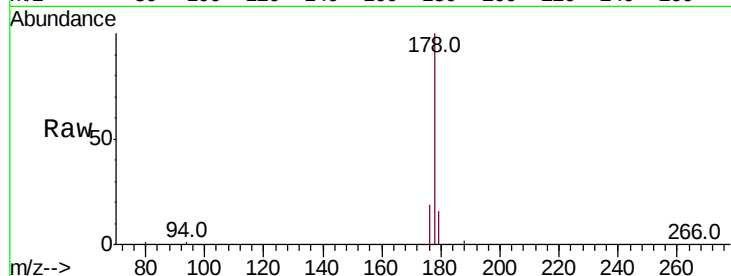
Tot Ion:178 Resp: 19407

Ion Ratio Lower Upper

178 100

179 15.6 12.8 19.2

176 19.2 15.4 23.2



#13

Anthracene

Concen: 0.162 ng/ul

RT: 17.10 min Scan# 3690

Delta R.T. -0.01 min

Lab File: BN008360.D

Acq: 23 Oct 2019 21:31

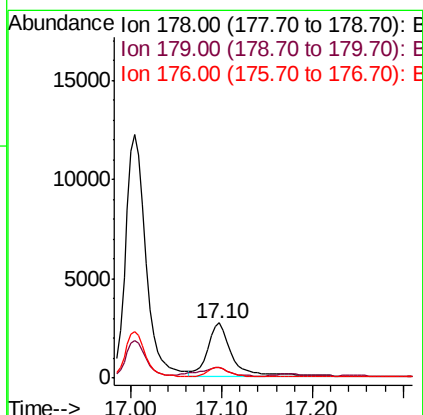
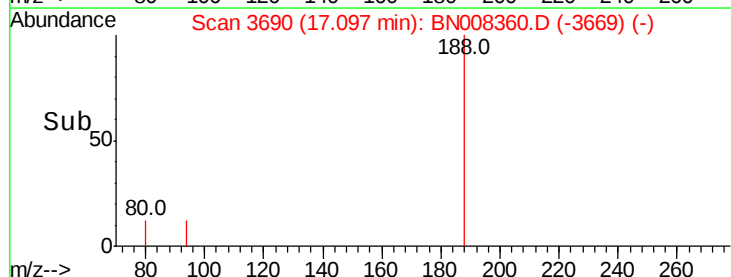
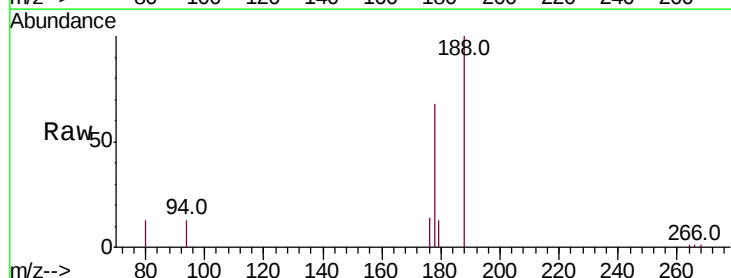
Tgt Ion:178 Resp: 4734

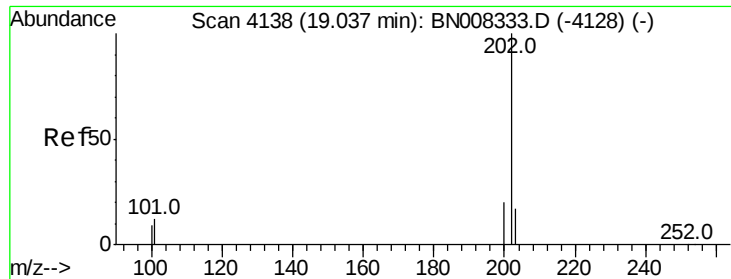
Ion Ratio Lower Upper

178 100

179 19.2 13.0 19.6

176 19.9 15.0 22.6

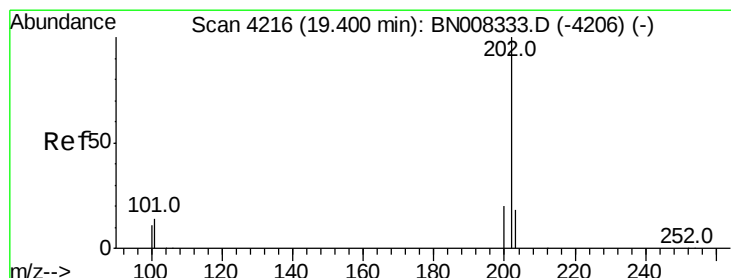
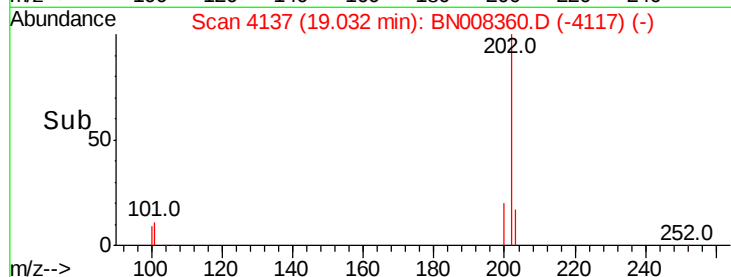
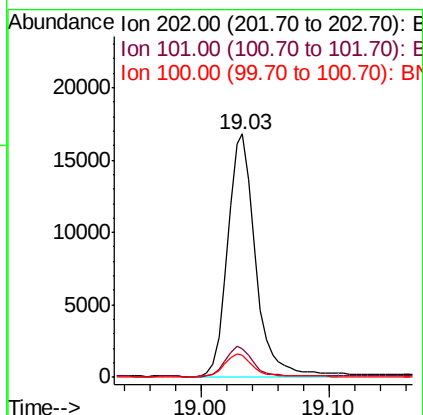
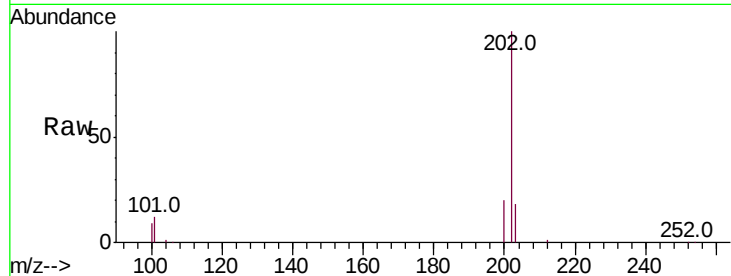




#15
Fluoranthene
Concen: 0.573 ng/ul
RT: 19.03 min Scan# 4137
Delta R.T. -0.01 min
Lab File: BN008360.D
Acq: 23 Oct 2019 21:31

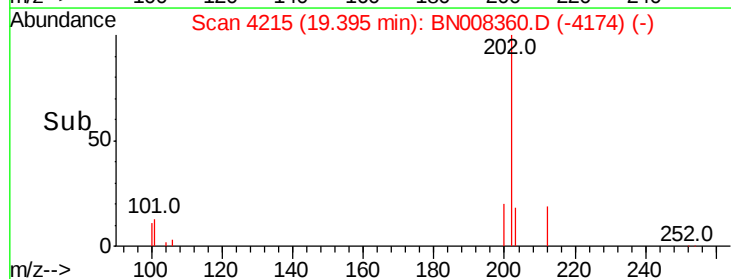
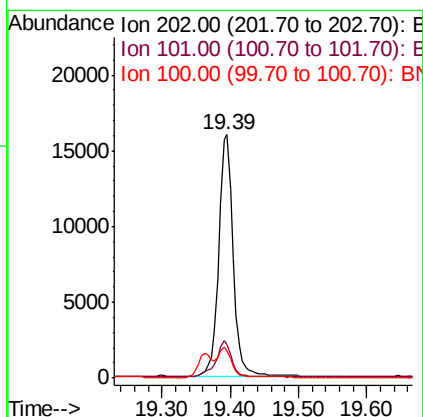
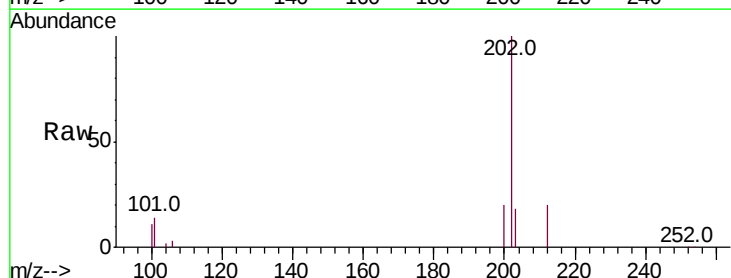
Instrument :
BNA_N
ClientSampleId :

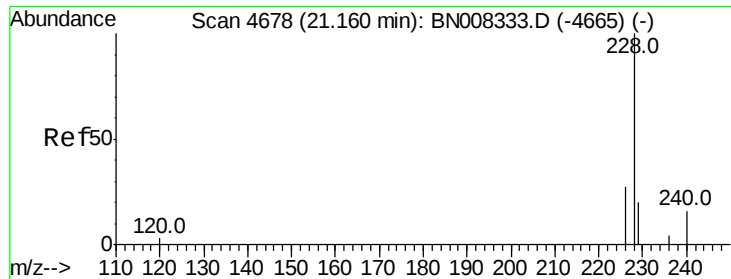
Tot Ion:202 Resp: 25092
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.2
100 8.9 0.0 28.5



#17
Pyrene
Concen: 0.622 ng/ul
RT: 19.39 min Scan# 4215
Delta R.T. -0.01 min
Lab File: BN008360.D
Acq: 23 Oct 2019 21:31

Tgt Ion:202 Resp: 23921
Ion Ratio Lower Upper
202 100
101 13.6 10.9 16.3
100 11.3 8.7 13.1





#18

Benzo(a)anthracene

Concen: 0.314 ng/ul

RT: 21.15 min Scan# 4676

Delta R.T. -0.01 min

Lab File: BN008360.D

Acq: 23 Oct 2019 21:31

Instrument :

BNA_N

ClientSampleId :

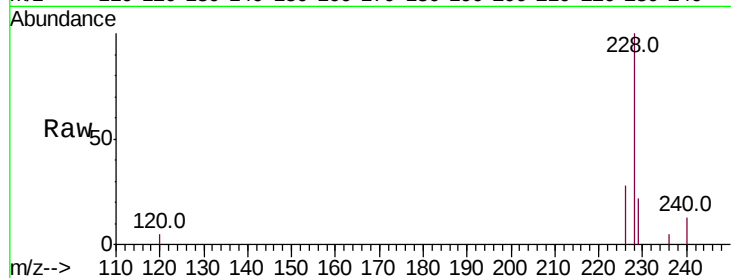
Tot Ion:228 Resp: 11015

Ion Ratio Lower Upper

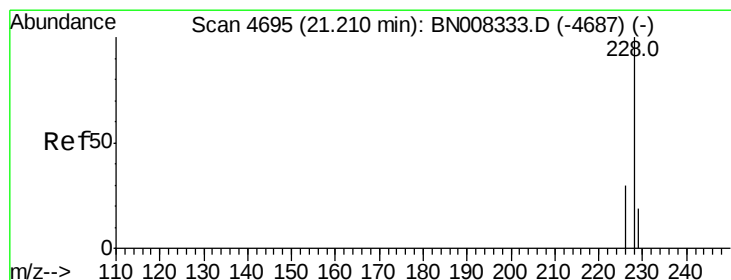
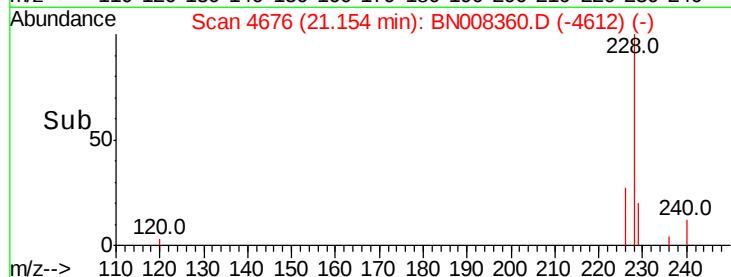
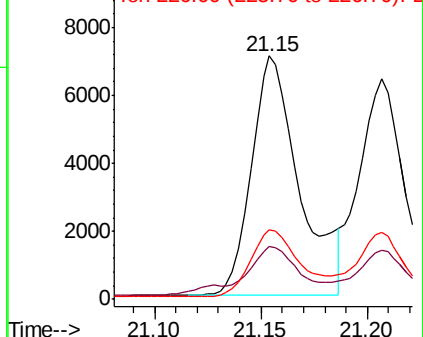
228 100

229 21.8 16.2 24.2

226 28.4 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: 0.235 ng/ul

RT: 21.21 min Scan# 4694

Delta R.T. -0.01 min

Lab File: BN008360.D

Acq: 23 Oct 2019 21:31

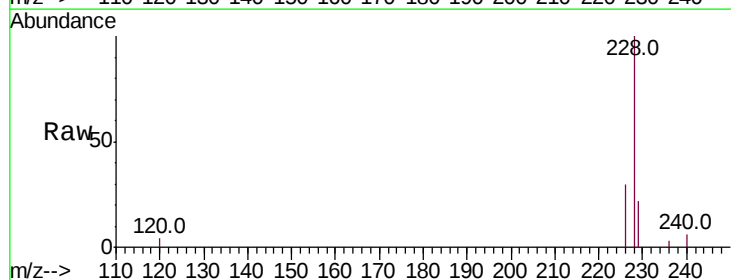
Tgt Ion:228 Resp: 10138

Ion Ratio Lower Upper

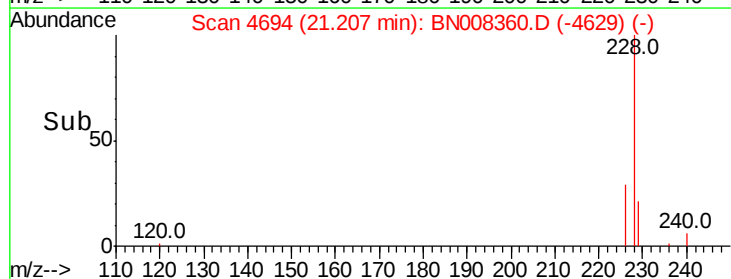
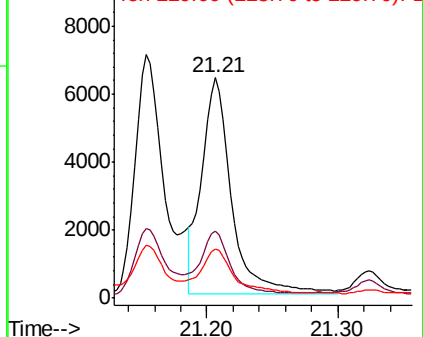
228 100

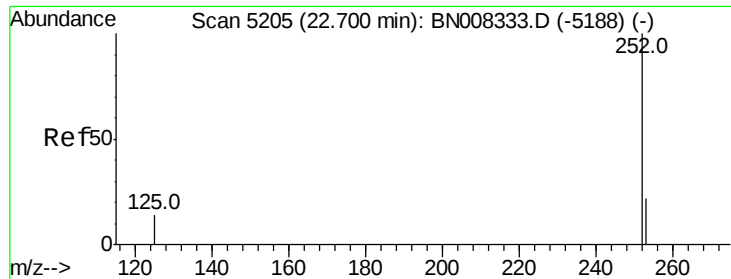
226 30.3 24.1 36.1

229 22.3 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: 0.560 ng/ul

RT: 22.70 min Scan# 5205

Delta R.T. -0.01 min

Lab File: BN008360.D

Acq: 23 Oct 2019 21:31

Instrument :

BNA_N

ClientSampleId :

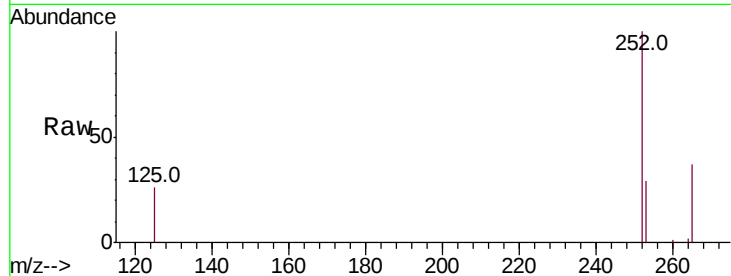
Tot Ion:252 Resp: 14344

Ion Ratio Lower Upper

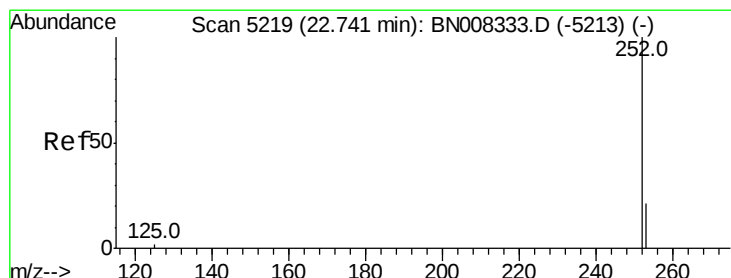
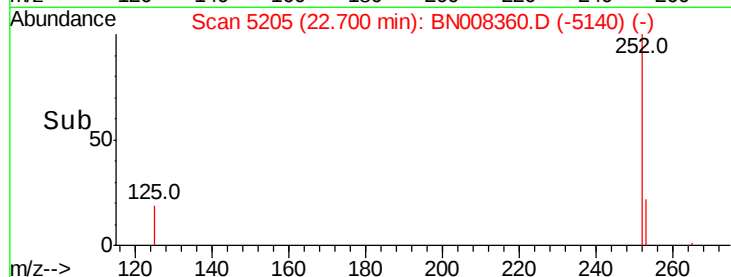
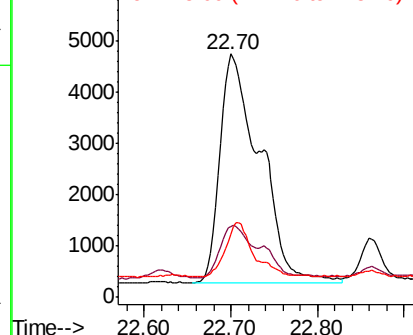
252 100

253 28.8 0.0 53.4

125 26.1 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: 0.494 ng/ul

RT: 22.70 min Scan# 5205

Delta R.T. -0.05 min

Lab File: BN008360.D

Acq: 23 Oct 2019 21:31

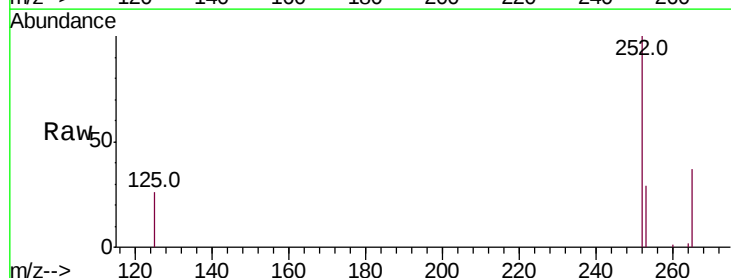
Tgt Ion:252 Resp: 14344

Ion Ratio Lower Upper

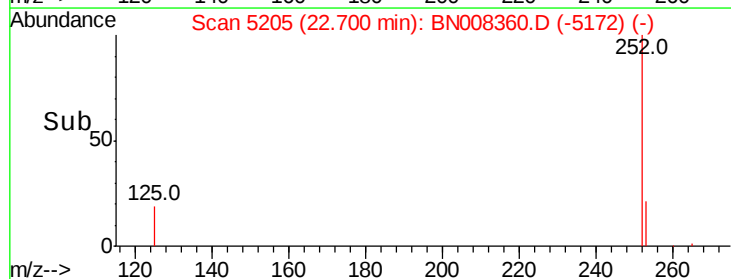
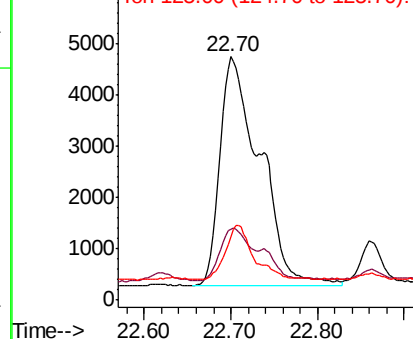
252 100

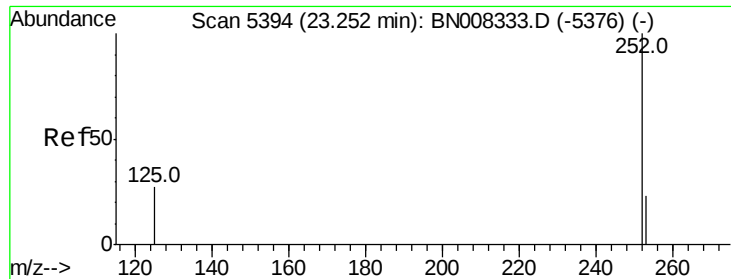
253 28.8 21.3 31.9

125 26.1 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: 0.269 ng/ul

RT: 23.25 min Scan# 5392

Delta R.T. -0.01 min

Lab File: BN008360.D

Acq: 23 Oct 2019 21:31

Instrument :

BNA_N

ClientSampleId :

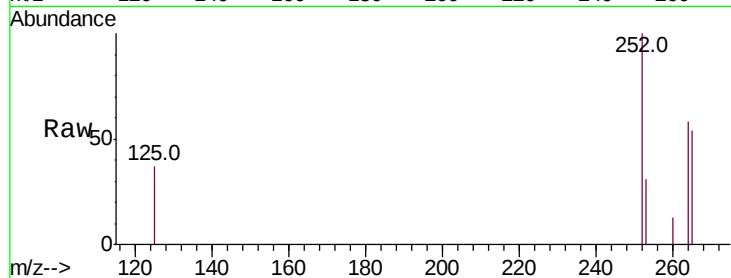
Tot Ion:252 Resp: 7258

Ion Ratio Lower Upper

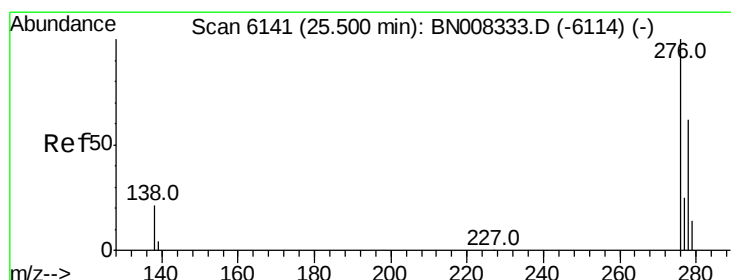
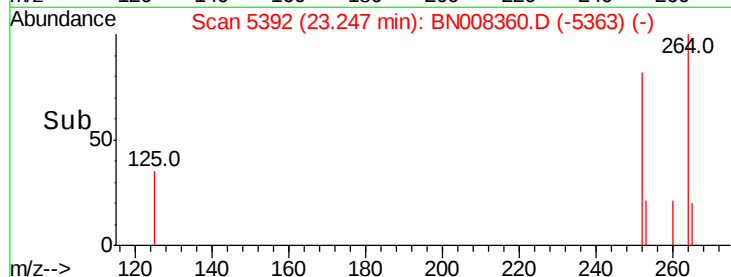
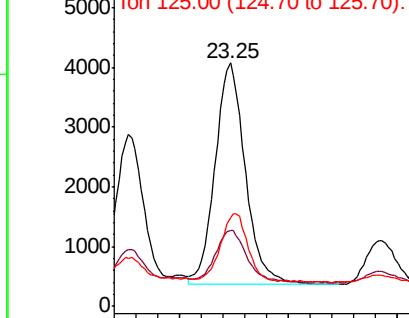
252 100

253 31.3 22.8 34.2

125 36.6 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: 0.120 ng/ul

RT: 25.49 min Scan# 6139

Delta R.T. -0.02 min

Lab File: BN008360.D

Acq: 23 Oct 2019 21:31

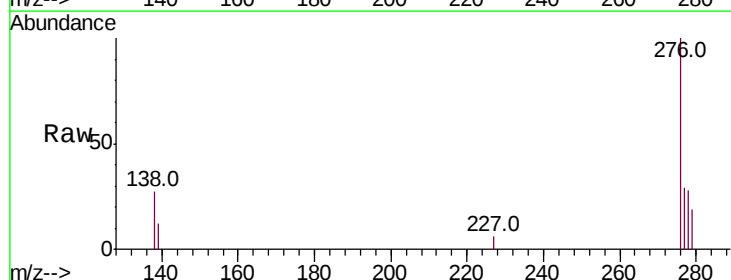
Tgt Ion:276 Resp: 3804

Ion Ratio Lower Upper

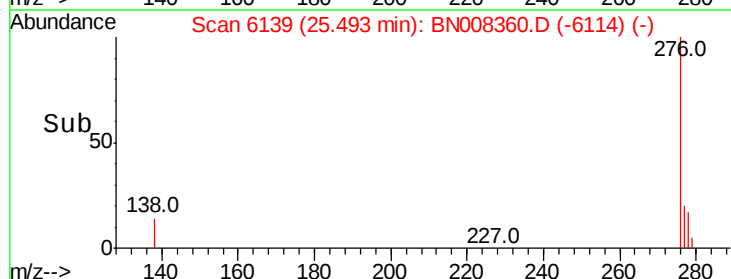
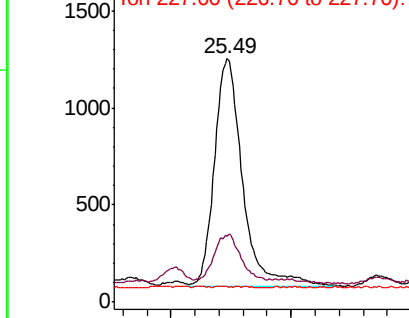
276 100

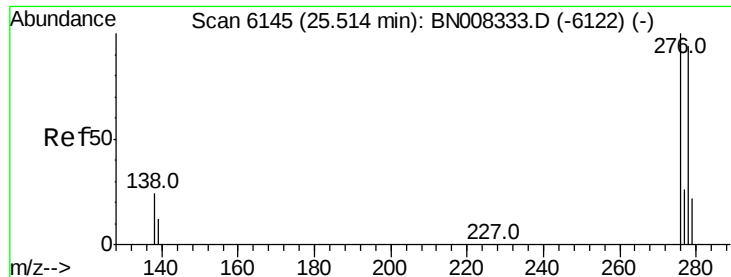
138 18.1 16.1 24.1

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: 0.034 ng/ul

RT: 25.50 min Scan# 6141

Delta R.T. -0.02 min

Lab File: BN008360.D

Acq: 23 Oct 2019 21:31

Instrument :

BNA_N

ClientSampleId :

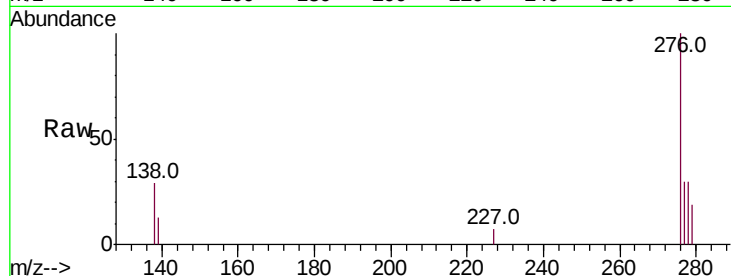
Tot Ion:278 Resp: 858

Ion Ratio Lower Upper

278 100

139 41.7 15.0 22.6#

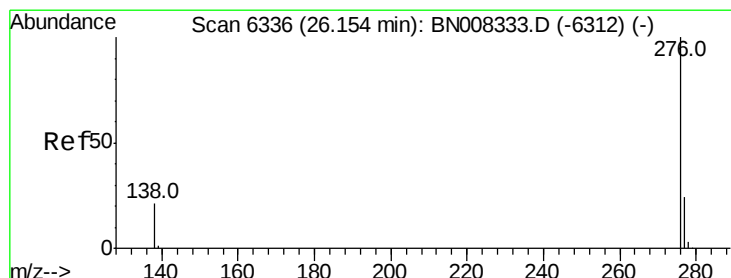
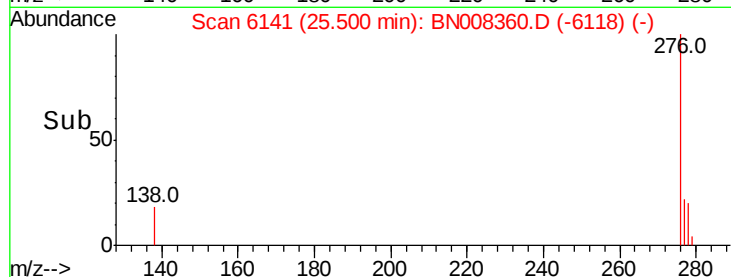
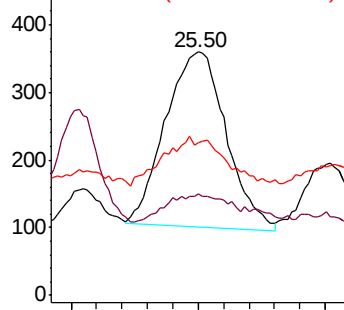
279 62.8 22.4 33.6#



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



#26

Benzo(g,h,i)perylene

Concen: 0.110 ng/ul

RT: 26.15 min Scan# 6334

Delta R.T. -0.02 min

Lab File: BN008360.D

Acq: 23 Oct 2019 21:31

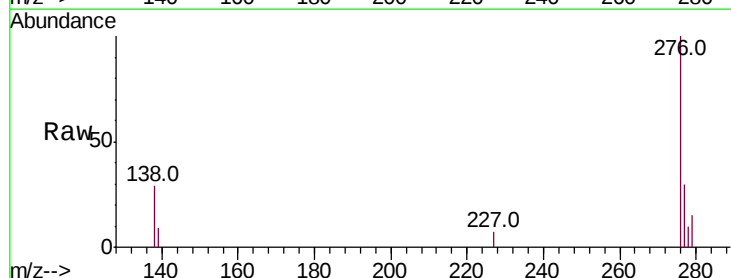
Tgt Ion:276 Resp: 3211

Ion Ratio Lower Upper

276 100

138 29.4 17.0 25.4#

277 29.8 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

