

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008328.D
 Acq On : 22 Oct 2019 23:09
 Operator : JU
 Sample : K5223-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 23 01:05:31 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 : Mon Oct 21 23:58:15 2019
 Response via : Initial Calibration

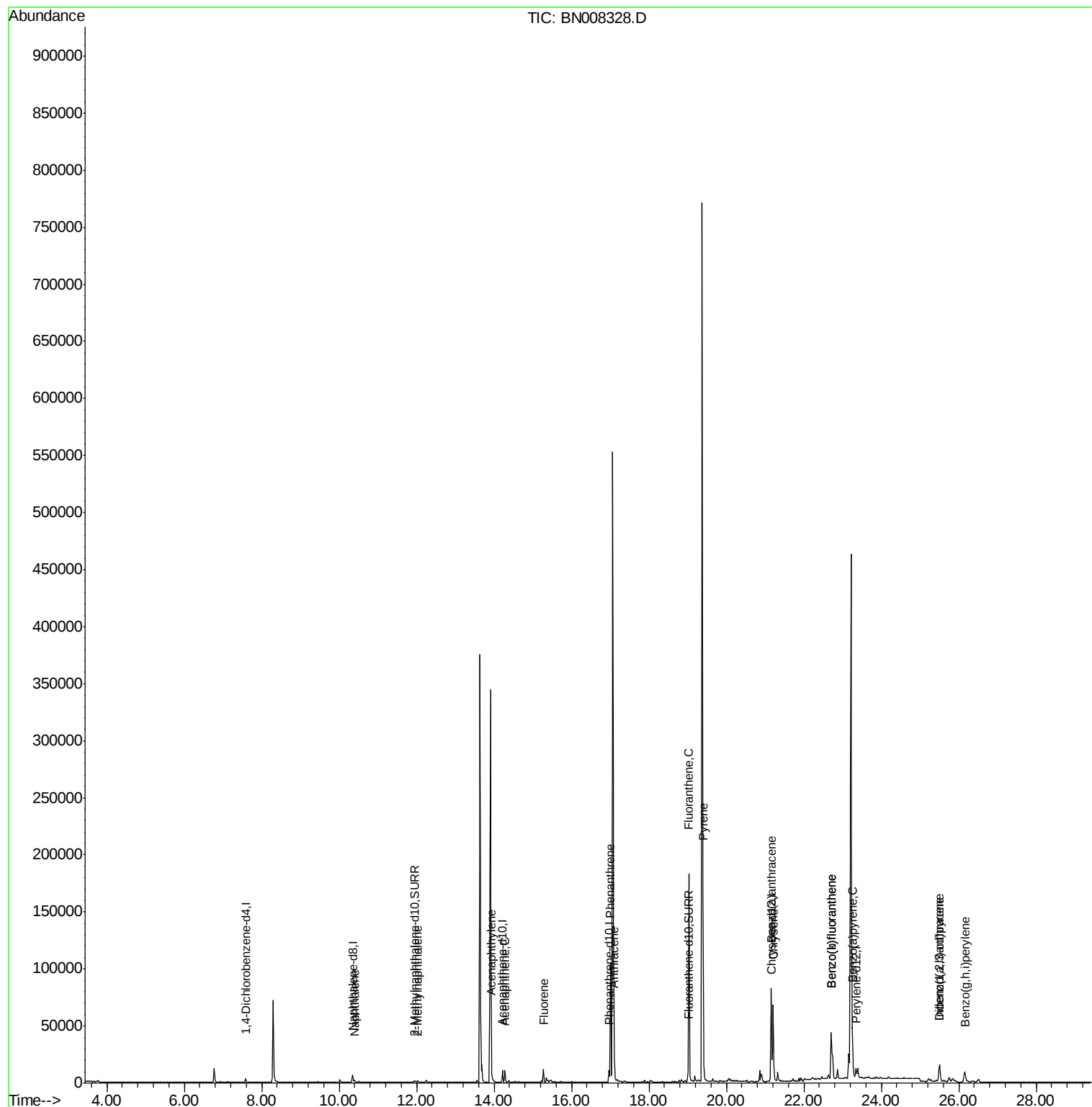
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1804	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.35	136	8903	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.22	164	5707	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	12601	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	11607	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	10121	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	2712	0.18	ng/ul	-0.01
14) Fluoranthene-d10	19.00	212	8703	0.20	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.39	128	2456	0.097	ng/ul#	94
5) 2-Methylnaphthalene	12.02	142	1350	0.078	ng/ul	99
7) Acenaphthylene	13.94	152	2520	0.093	ng/ul#	92
8) Acenaphthene	14.28	153	6380	0.302	ng/ul	98
9) Fluorene	15.27	166	6955	0.290	ng/ul	98
12) Phenanthrene	17.01	178	115588	3.133	ng/ul	99
13) Anthracene	17.10	178	24692	0.761	ng/ul	100
15) Fluoranthene	19.03	202	155163	3.184	ng/ul	97
17) Pyrene	19.40	202	133208	2.882	ng/ul	100
18) Benzo(a)anthracene	21.16	228	69908	1.657	ng/ul	98
19) Chrysene	21.21	228	65056	1.256	ng/ul	98
21) Benzo(b)fluoranthene	22.70	252	89109	2.705	ng/ul	95
22) Benzo(k)fluoranthene	22.70	252	89109	2.388	ng/ul	96
23) Benzo(a)pyrene	23.25	252	46160	1.331	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.50	276	22398	0.549	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.50	278	5730	0.178	ng/ul#	87
26) Benzo(a,h,i)perylene	26.15	276	19098	0.510	ng/ul	98

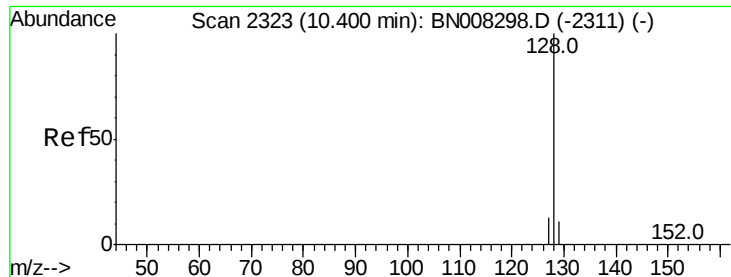
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.097 ng/ul

RT: 10.39 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

Instrument :

BNA_N

ClientSampleId :

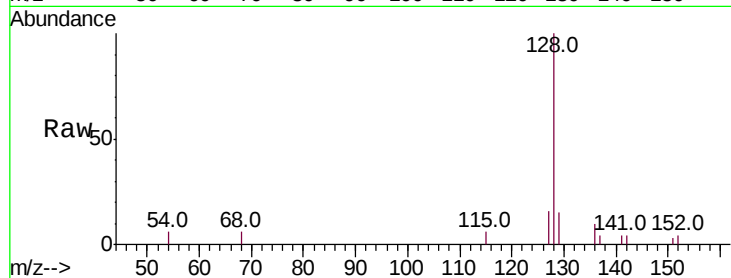
Tot Ion:128 Resp: 2456

Ion Ratio Lower Upper

128 100

129 15.4 9.8 14.8#

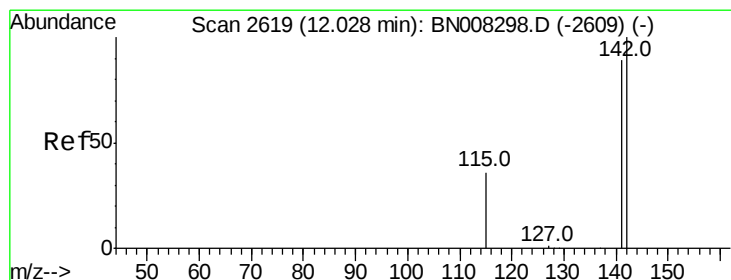
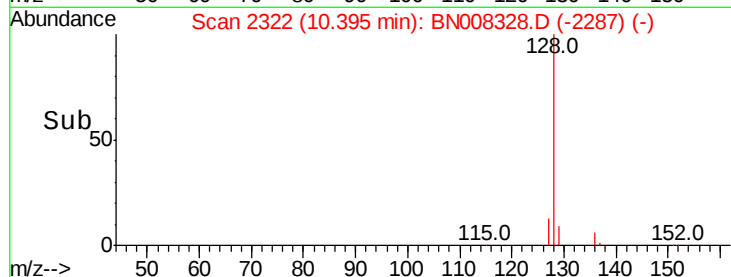
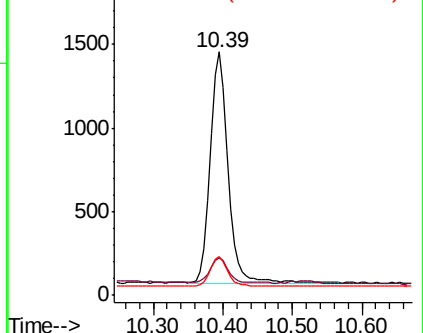
127 15.9 11.1 16.7



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



#5

2-Methylnaphthalene

Concen: 0.078 ng/ul

RT: 12.02 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BN008328.D

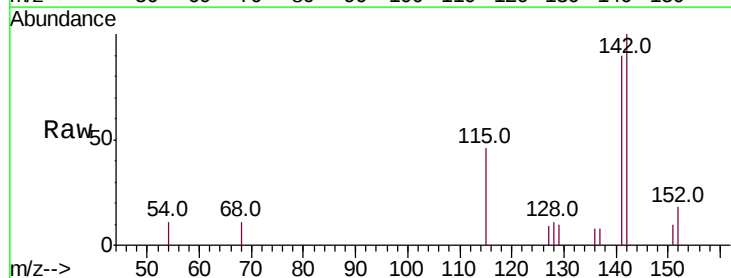
Acq: 22 Oct 2019 23:09

Tgt Ion:142 Resp: 1350

Ion Ratio Lower Upper

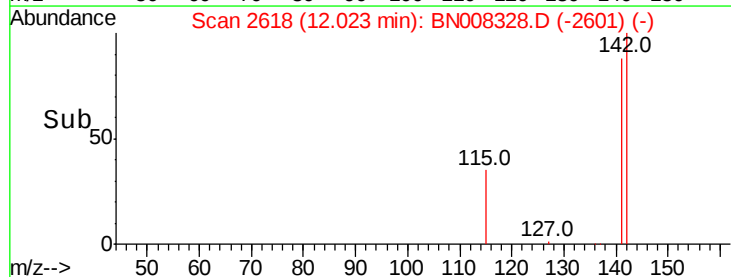
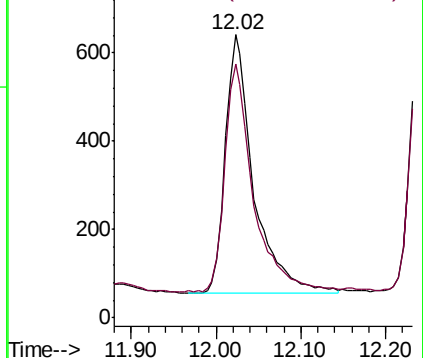
142 100

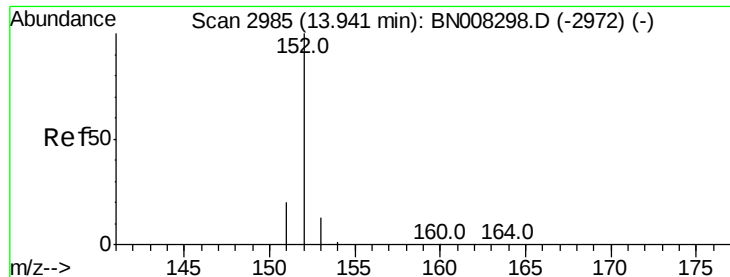
141 89.9 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.093 ng/ul

RT: 13.94 min Scan# 2984

Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

Instrument :

BNA_N

ClientSampleId :

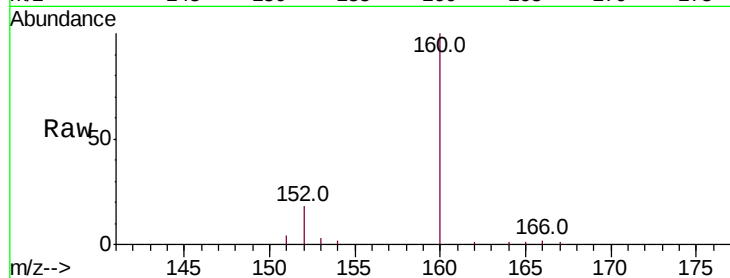
Tot Ion:152 Resp: 2520

Ion Ratio Lower Upper

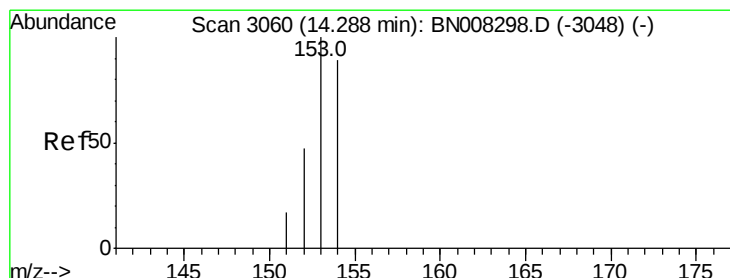
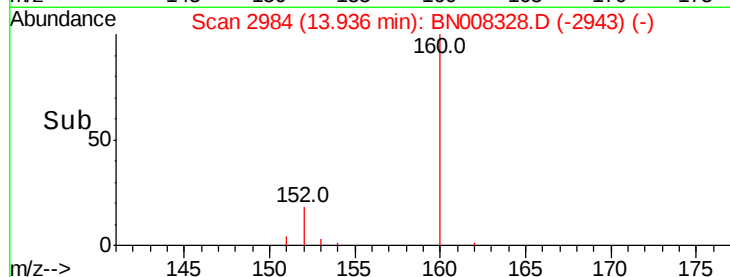
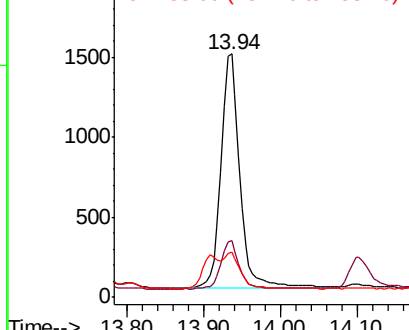
152 100

151 23.1 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: 0.302 ng/ul

RT: 14.28 min Scan# 3058

Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

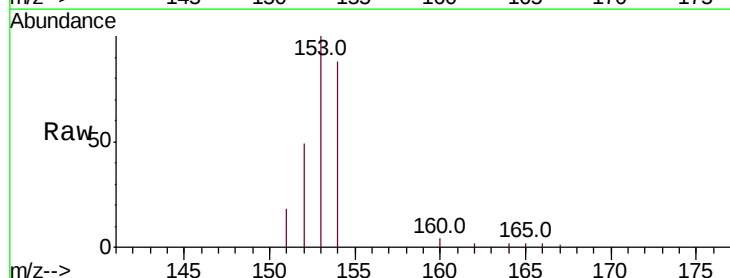
Tgt Ion:153 Resp: 6380

Ion Ratio Lower Upper

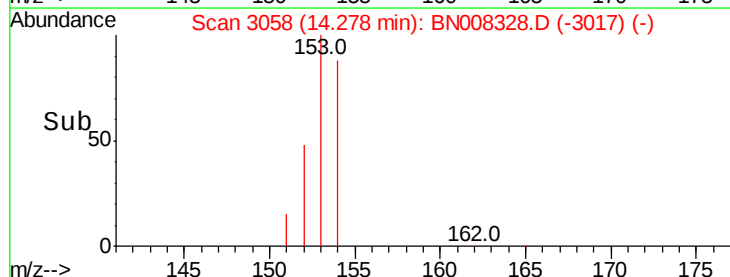
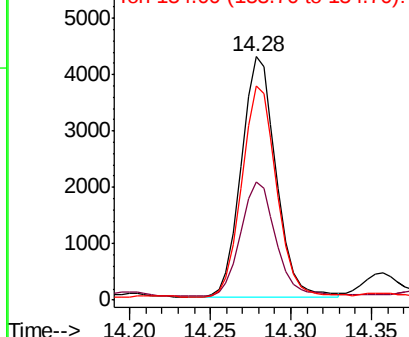
153 100

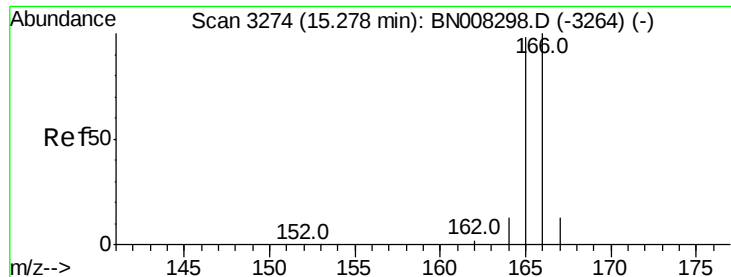
152 48.6 38.2 57.2

154 87.8 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: 0.290 ng/ul

RT: 15.27 min Scan# 3273

Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

Instrument :

BNA_N

ClientSampleId :

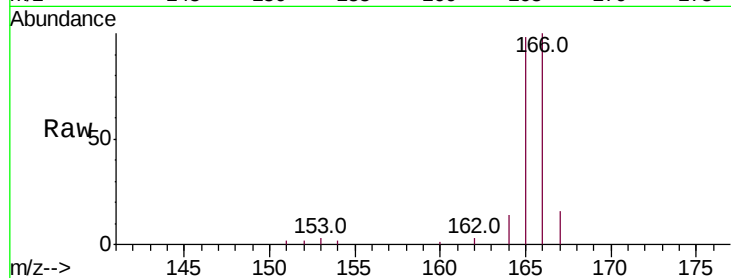
Tot Ion:166 Resp: 6955

Ion Ratio Lower Upper

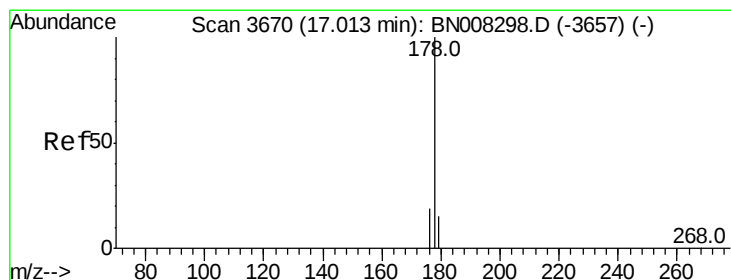
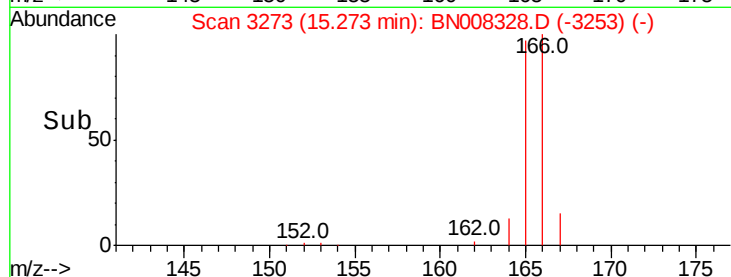
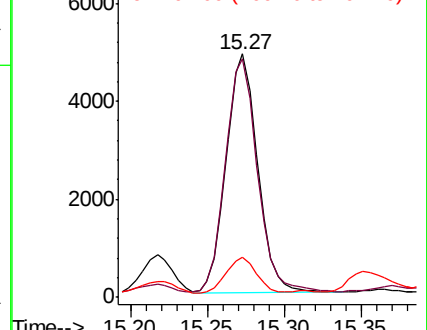
166 100

165 97.7 76.6 115.0

167 16.3 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: 3.133 ng/ul

RT: 17.01 min Scan# 3669

Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

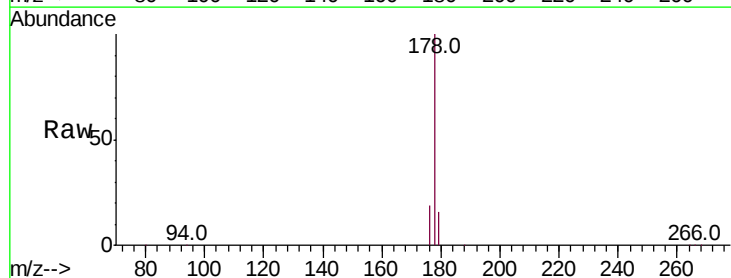
Tgt Ion:178 Resp: 115588

Ion Ratio Lower Upper

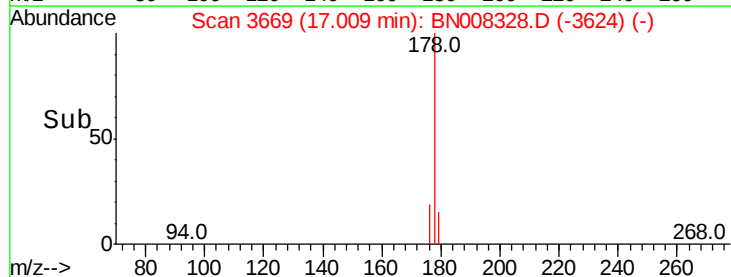
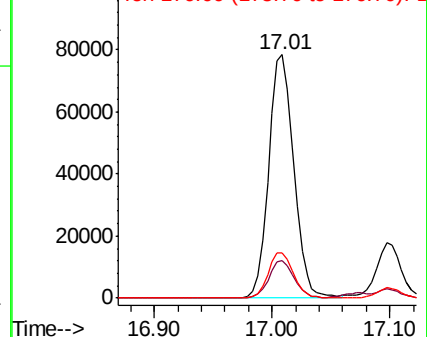
178 100

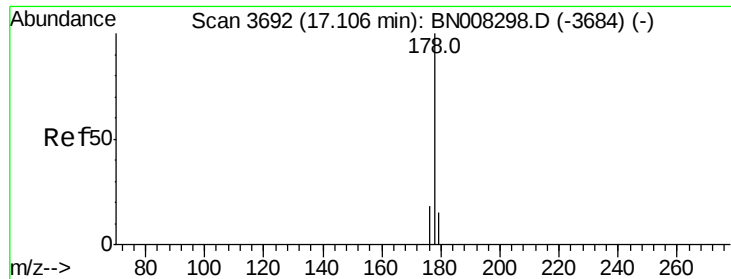
179 15.6 12.8 19.2

176 18.7 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: 0.761 ng/ul

RT: 17.10 min Scan# 3690

Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

Instrument :

BNA_N

ClientSampleId :

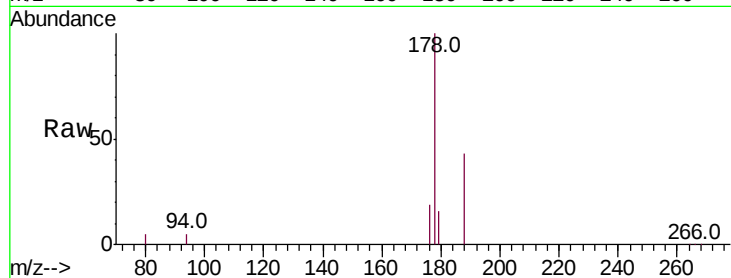
Tot Ion:178 Resp: 24692

Ion Ratio Lower Upper

178 100

179 16.3 13.0 19.6

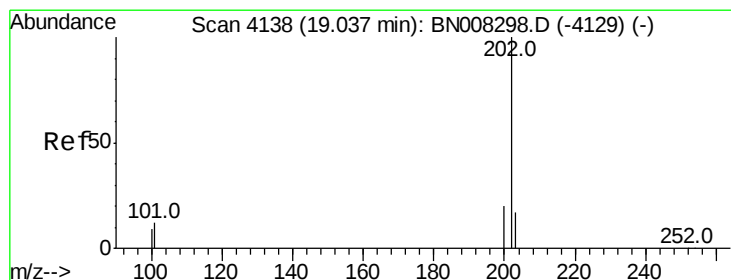
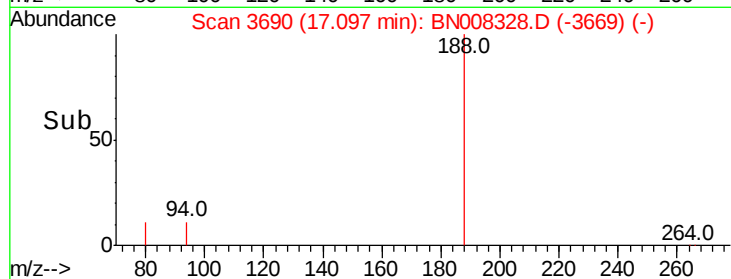
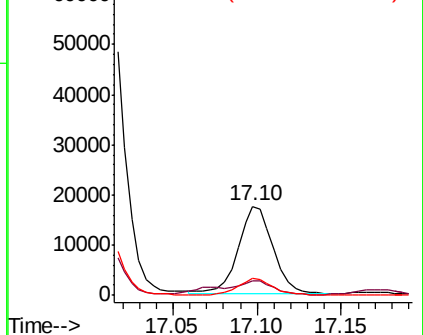
176 18.5 15.0 22.6



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: 3.184 ng/ul

RT: 19.03 min Scan# 4137

Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

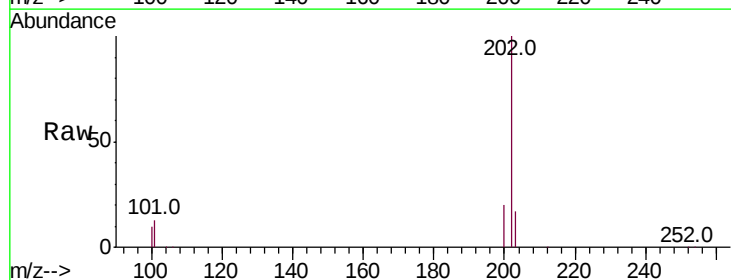
Tgt Ion:202 Resp: 155163

Ion Ratio Lower Upper

202 100

101 12.6 0.0 31.2

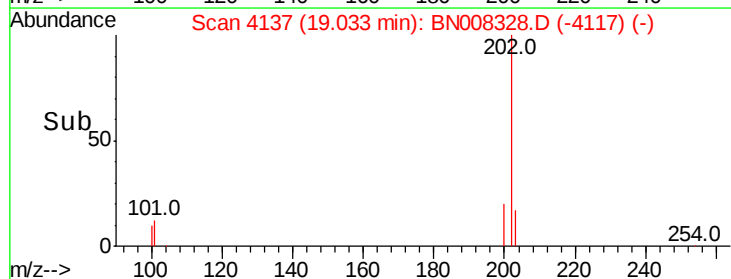
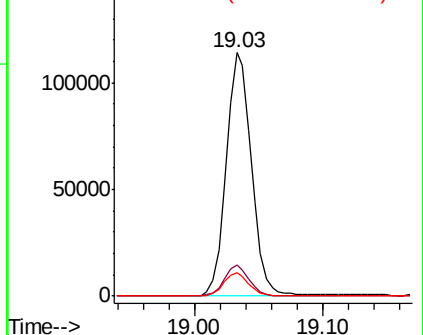
100 9.6 0.0 28.5

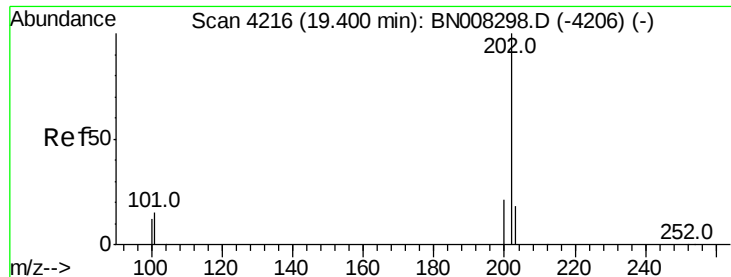


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

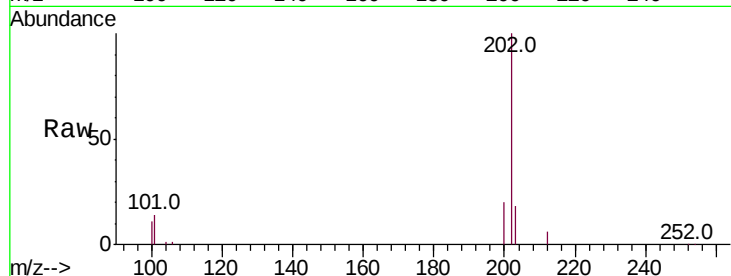




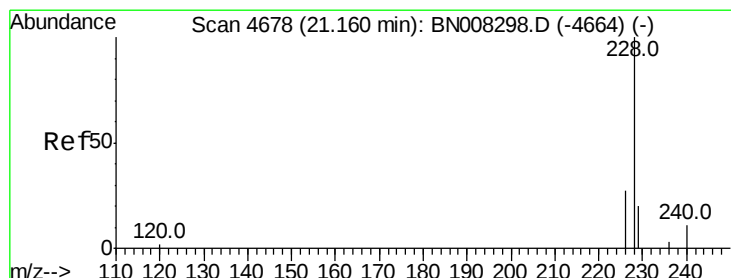
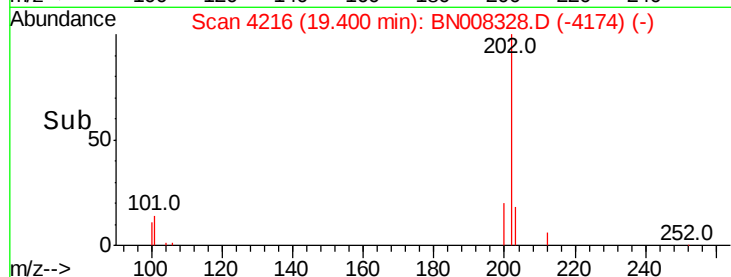
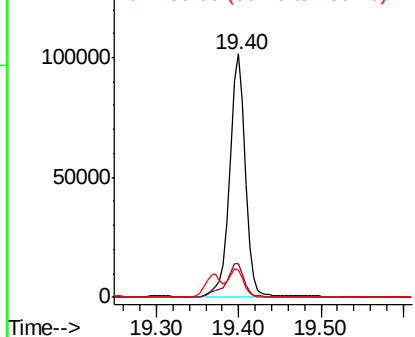
#17
Pvrene
Concen: 2.882 ng/ul
RT: 19.40 min Scan# 4216
Delta R.T. -0.00 min
Lab File: BN008328.D
Acq: 22 Oct 2019 23:09

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.6	10.9	16.3
100	11.1	8.7	13.1

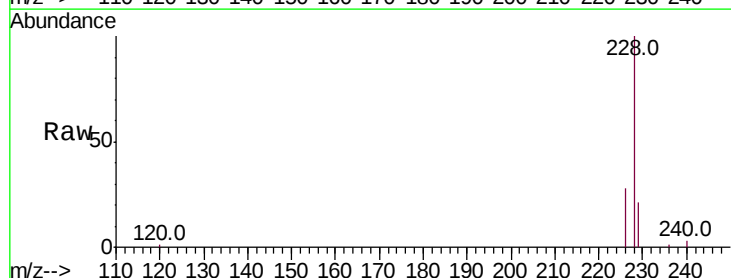


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

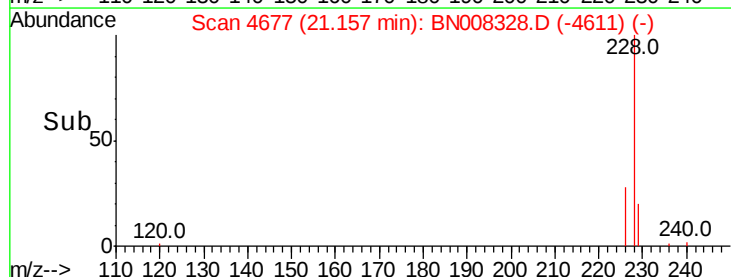
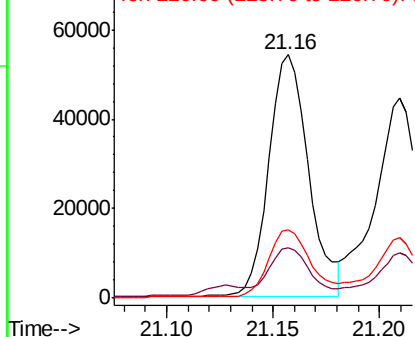


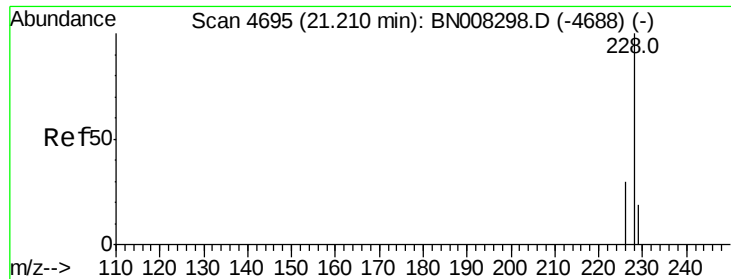
#18
Benzo(a)anthracene
Concen: 1.657 ng/ul
RT: 21.16 min Scan# 4677
Delta R.T. -0.01 min
Lab File: BN008328.D
Acq: 22 Oct 2019 23:09

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	16.2	24.2
226	28.2	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: 1.256 ng/ul

RT: 21.21 min Scan# 4695

Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

Instrument :

BNA_N

ClientSampleId :

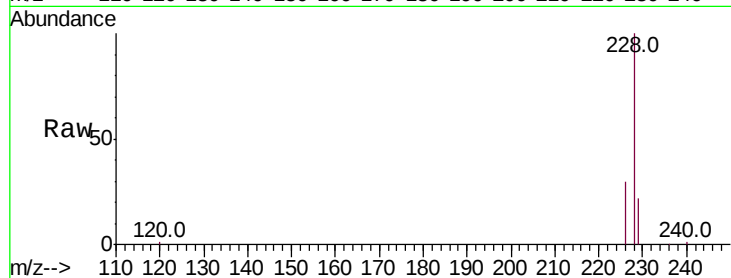
Tot Ion:228 Resp: 65056

Ion Ratio Lower Upper

228 100

226 30.0 24.1 36.1

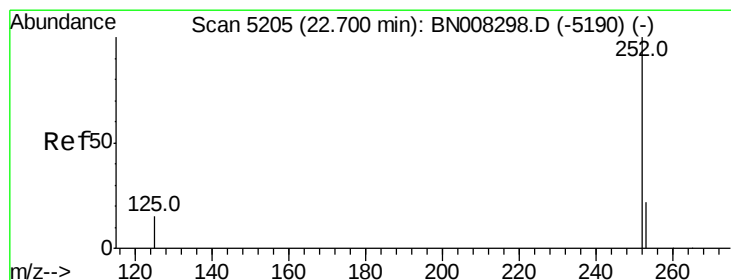
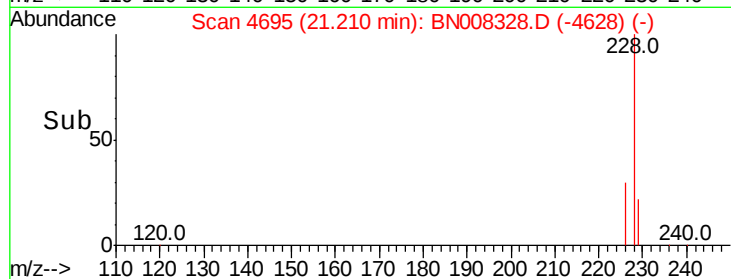
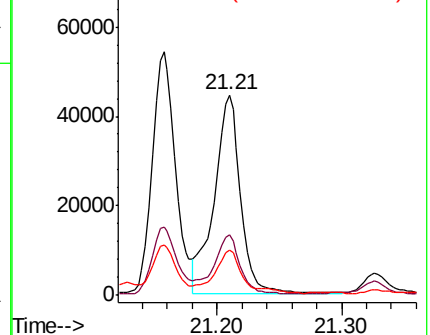
229 22.5 16.2 24.2



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: 2.705 ng/ul

RT: 22.70 min Scan# 5206

Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

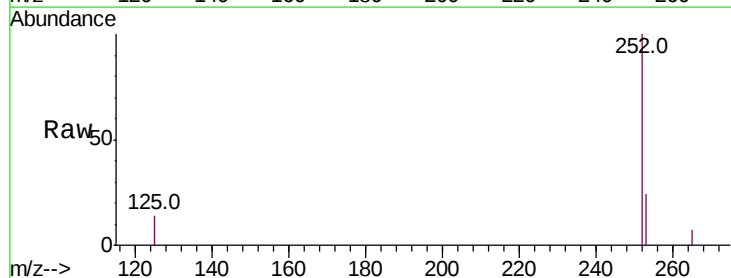
Tgt Ion:252 Resp: 89109

Ion Ratio Lower Upper

252 100

253 24.2 0.0 53.4

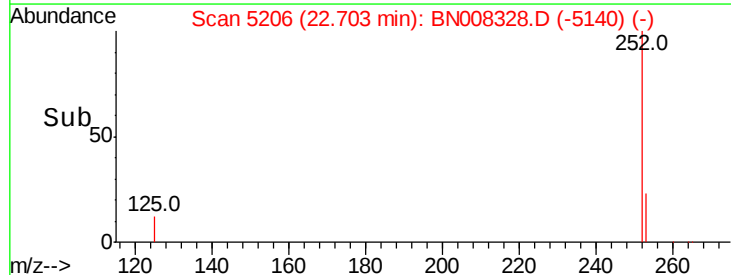
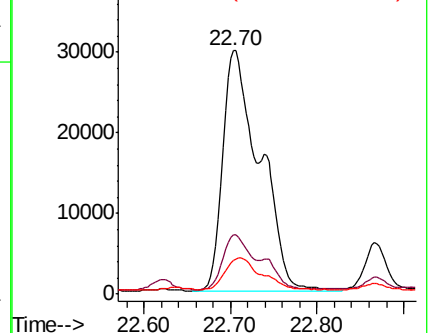
125 13.8 0.0 32.4

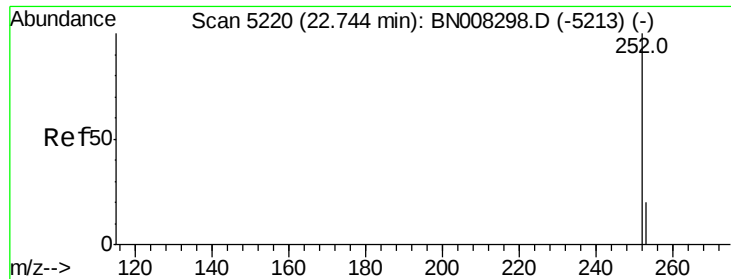


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 2.388 ng/ul

RT: 22.70 min Scan# 5206

Delta R.T. -0.05 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

Instrument :

BNA_N

ClientSampleId :

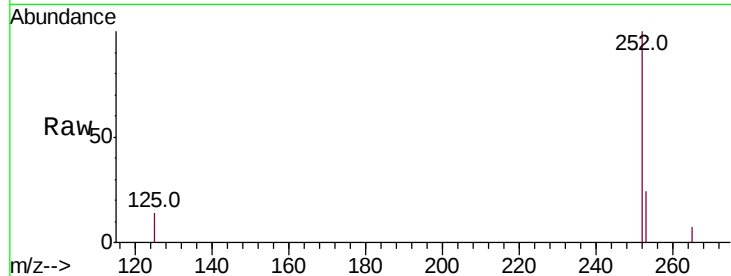
Tot Ion:252 Resp: 89109

Ion Ratio Lower Upper

252 100

253 24.2 21.3 31.9

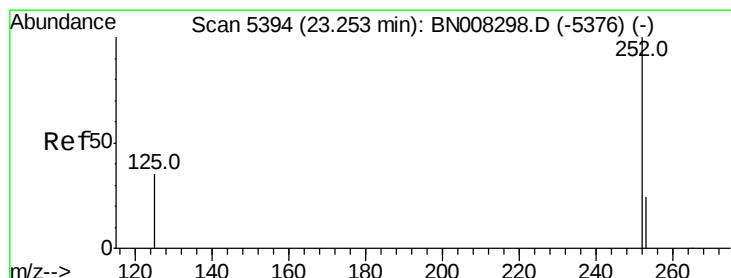
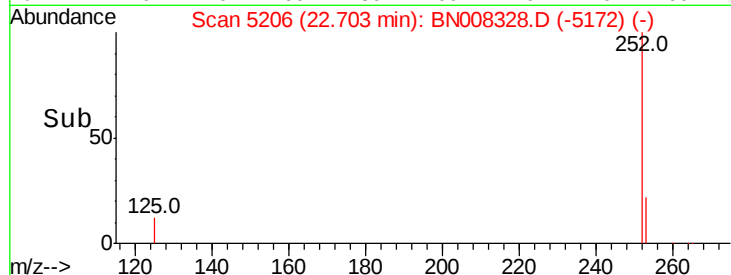
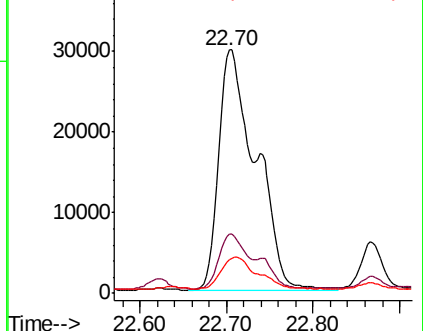
125 13.8 12.3 18.5



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: 1.331 ng/ul

RT: 23.25 min Scan# 5394

Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

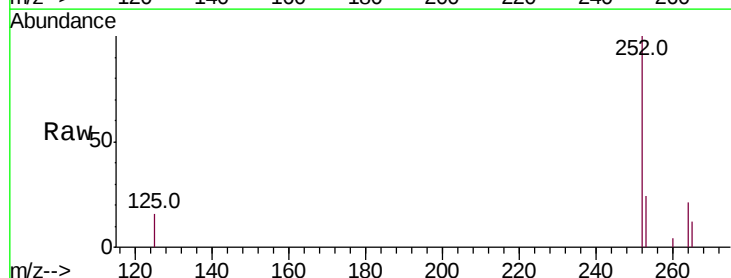
Tgt Ion:252 Resp: 46160

Ion Ratio Lower Upper

252 100

253 24.0 22.8 34.2

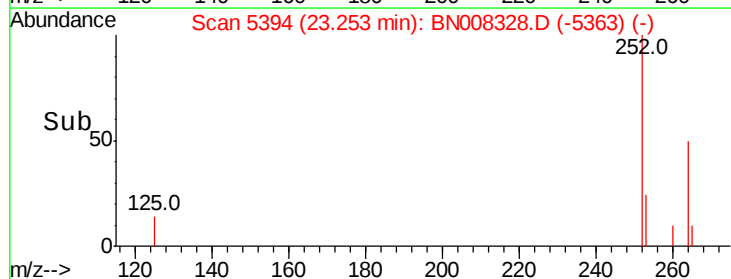
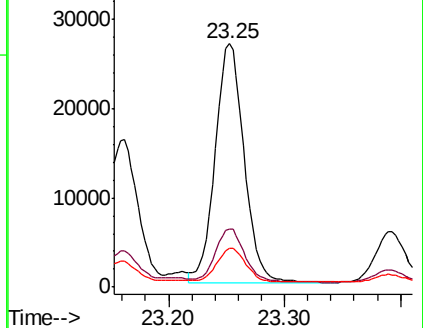
125 15.8 18.4 27.6#

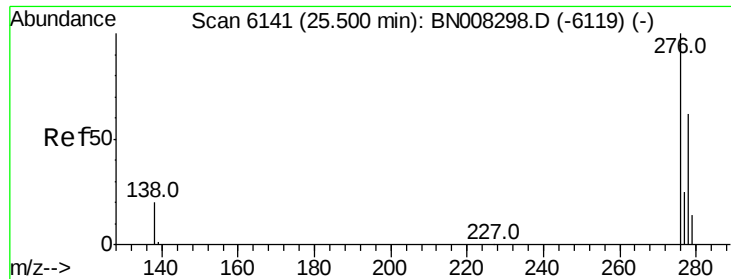


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

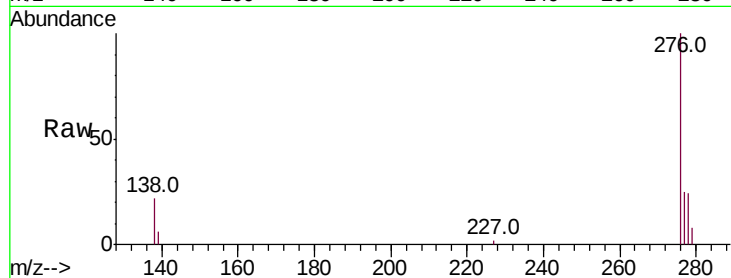




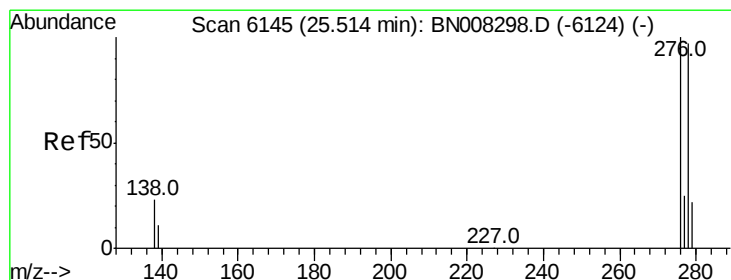
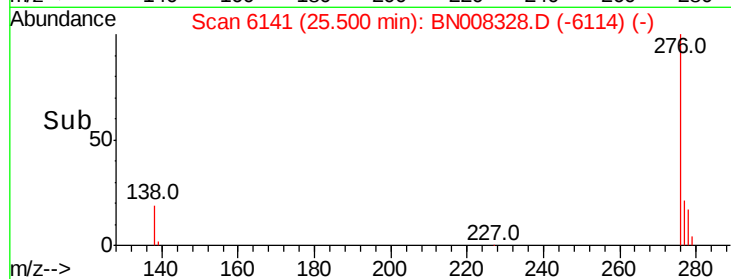
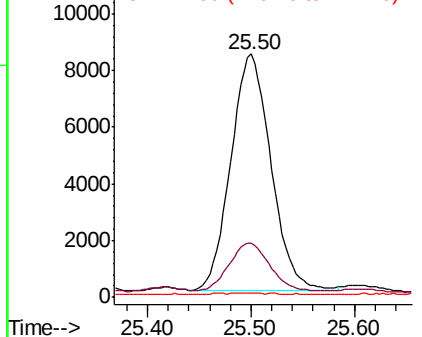
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.549 ng/ul
 RT: 25.50 min Scan# 6141
 Delta R.T. -0.01 min
 Lab File: BN008328.D
 Acq: 22 Oct 2019 23:09

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 22398
 Ion Ratio Lower Upper
 276 100
 138 20.8 16.1 24.1
 227 0.1 0.2 0.2#

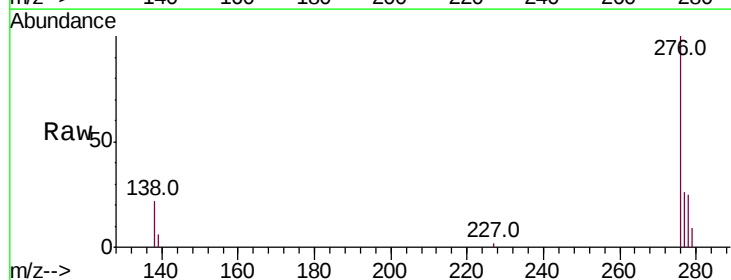


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

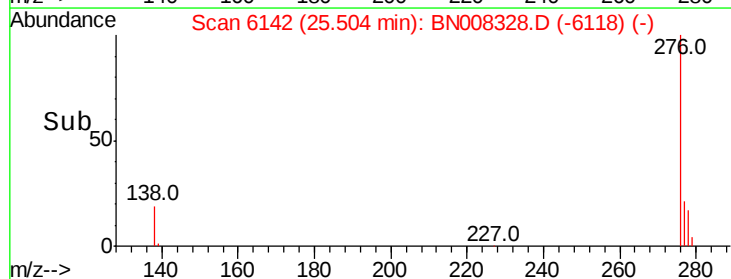
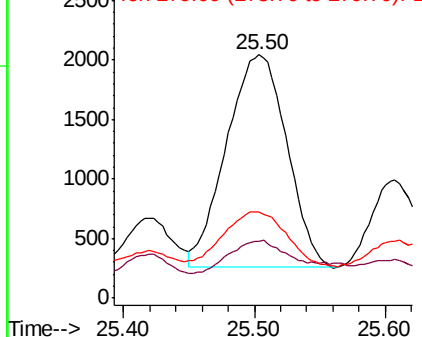


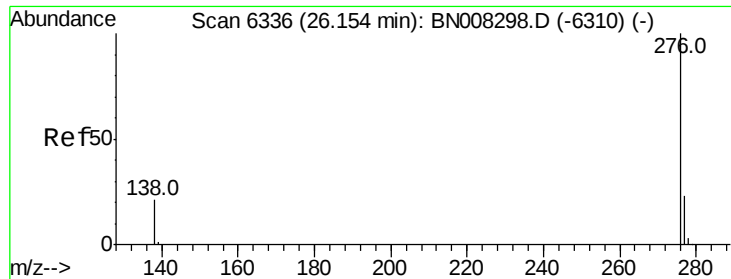
#25
 Dibenzo(a,h)anthracene
 Concen: 0.178 ng/ul
 RT: 25.50 min Scan# 6142
 Delta R.T. -0.02 min
 Lab File: BN008328.D
 Acq: 22 Oct 2019 23:09

Tgt Ion:278 Resp: 5730
 Ion Ratio Lower Upper
 278 100
 139 23.2 15.0 22.6#
 279 35.5 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(a,h,i)perylene

Concen: 0.510 ng/ul

RT: 26.15 min Scan# 6336

Delta R.T. -0.01 min

Lab File: BN008328.D

Acq: 22 Oct 2019 23:09

Instrument :

BNA_N

ClientSampleId :

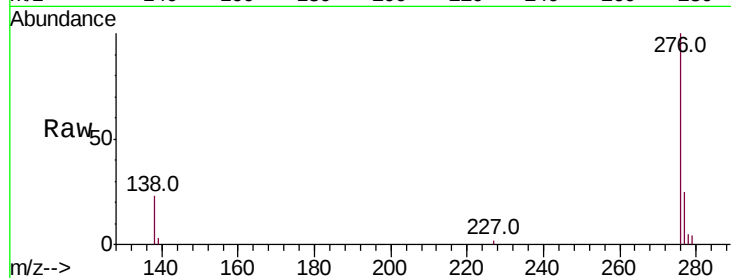
Tot Ion:276 Resp: 19098

Ion Ratio Lower Upper

276 100

138 23.0 17.0 25.4

277 25.5 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

