

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008352.D
 Acq On : 23 Oct 2019 16:44
 Operator : JU
 Sample : K5223-02DL 2X
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 24 01:38:21 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

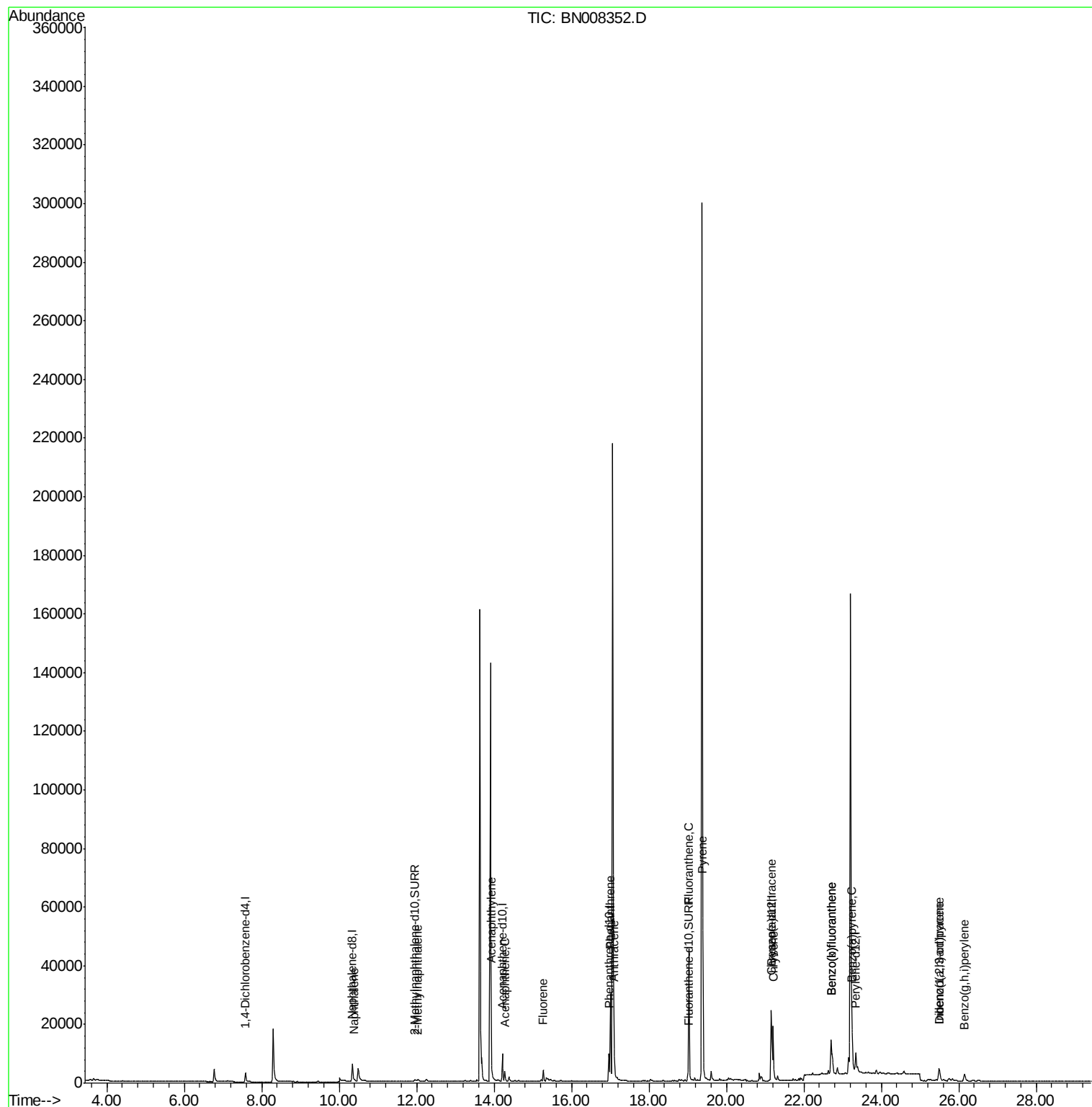
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1772	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.34	136	8452	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.21	164	5414	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	11610	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	10137	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	8313	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	1087	0.08	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	3247	0.08	ng/ul	-0.01
Target Compounds				Ovalue		
3) Naphthalene	10.39	128	737	0.031	ng/ul#	77
5) 2-Methylnaphthalene	12.03	142	589	0.036	ng/ul	99
7) Acenaphthylene	13.93	152	949	0.037	ng/ul#	83
8) Acenaphthene	14.28	153	1955	0.097	ng/ul	99
9) Fluorene	15.27	166	2485	0.109	ng/ul#	96
12) Phenanthrene	17.00	178	32024	0.942	ng/ul	99
13) Anthracene	17.10	178	8897	0.297	ng/ul	99
15) Fluoranthene	19.03	202	40091	0.893	ng/ul	99
17) Pyrene	19.40	202	36503	0.904	ng/ul	99
18) Benzo(a)anthracene	21.15	228	20274	0.550	ng/ul	98
19) Chrysene	21.20	228	19060	0.421	ng/ul	98
21) Benzo(b)fluoranthene	22.70	252	26019	0.961	ng/ul	94
22) Benzo(k)fluoranthene	22.70	252	26019	0.849	ng/ul#	94
23) Benzo(a)pyrene	23.25	252	12361	0.434	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.49	276	6764	0.202	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.50	278	2090	0.079	ng/ul#	73
26) Benzo(a,h,i)perylene	26.15	276	4954	0.161	ng/ul#	93

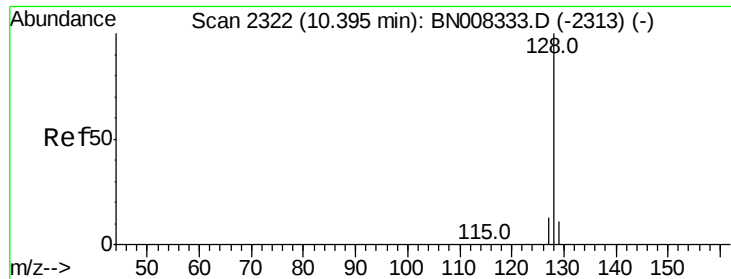
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.031 ng/ul

RT: 10.39 min Scan# 2321

Delta R.T. -0.01 min

Lab File: BN008352.D

Acq: 23 Oct 2019 16:44

Instrument :

BNA_N

ClientSampleId :

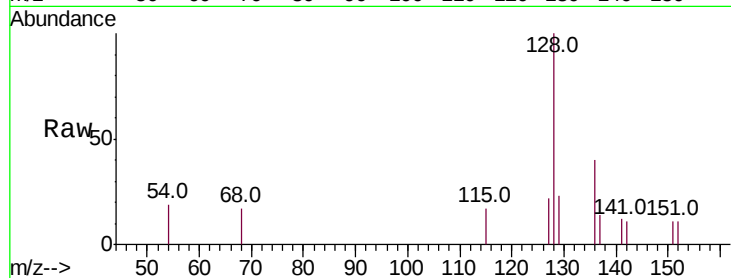
Tot Ion:128 Resp: 737

Ion Ratio Lower Upper

128 100

129 23.5 9.8 14.8#

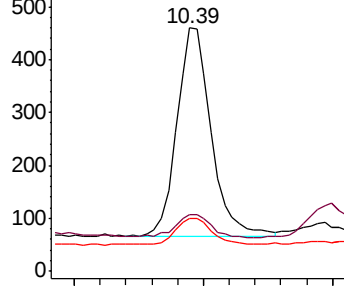
127 21.5 11.1 16.7#



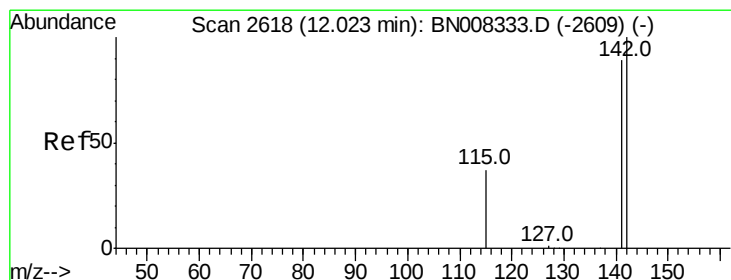
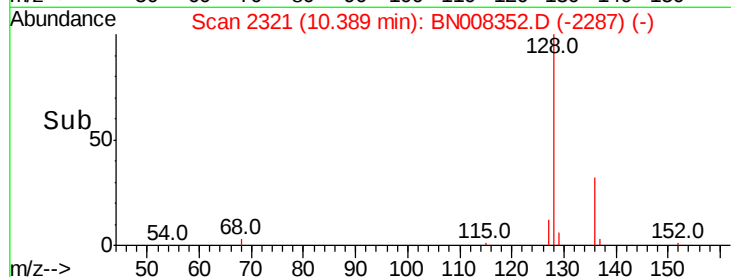
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#5

2-Methylnaphthalene

Concen: 0.036 ng/ul

RT: 12.03 min Scan# 2619

Delta R.T. 0.00 min

Lab File: BN008352.D

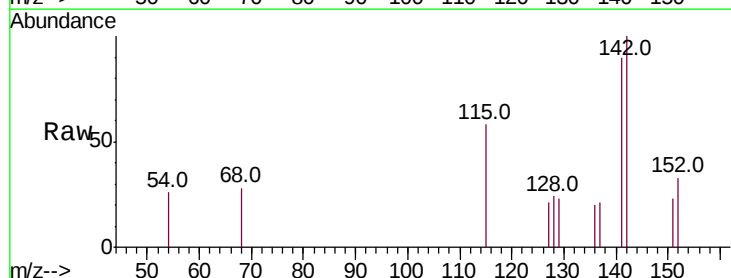
Acq: 23 Oct 2019 16:44

Tgt Ion:142 Resp: 589

Ion Ratio Lower Upper

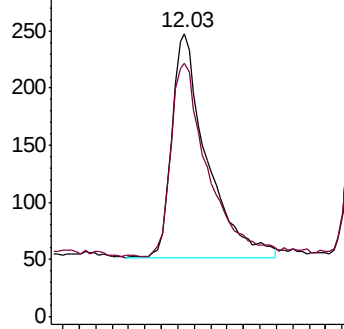
142 100

141 88.8 71.4 107.2

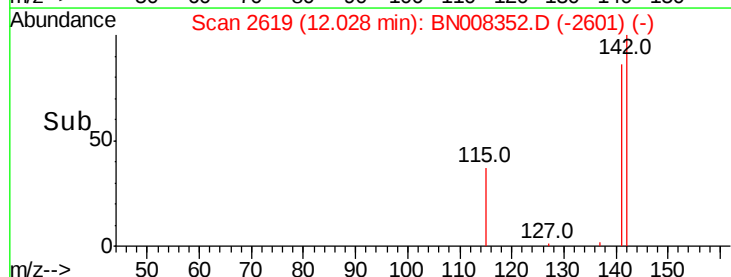


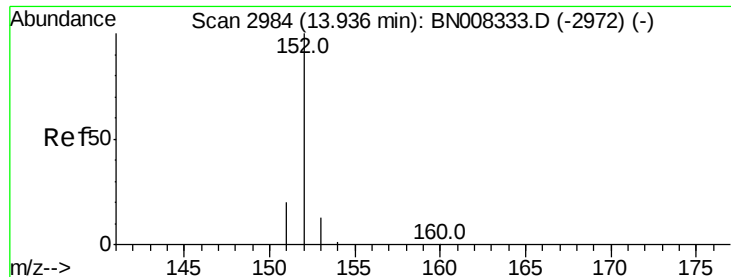
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#7

Acenaphthylene

Concen: 0.037 ng/ul

RT: 13.93 min Scan# 2983

Delta R.T. -0.01 min

Lab File: BN008352.D

Acq: 23 Oct 2019 16:44

Instrument :

BNA_N

ClientSampleId :

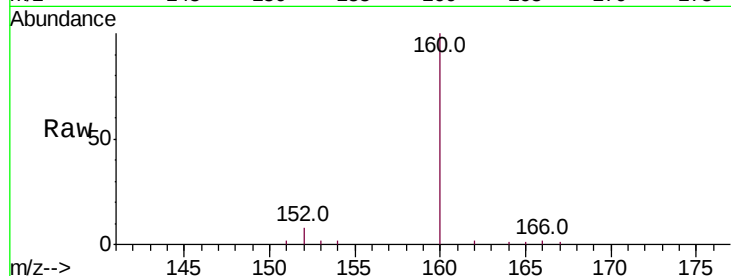
Tot Ion:152 Resp: 949

Ion Ratio Lower Upper

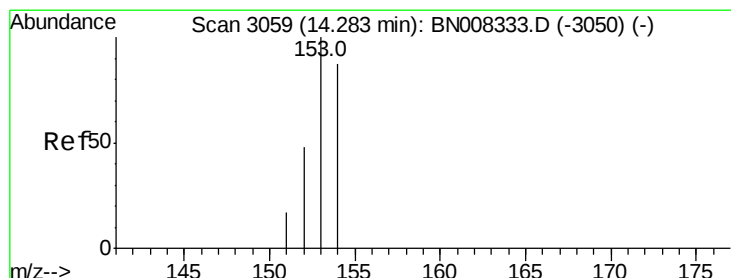
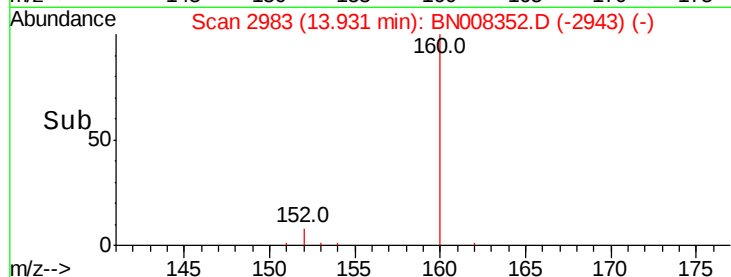
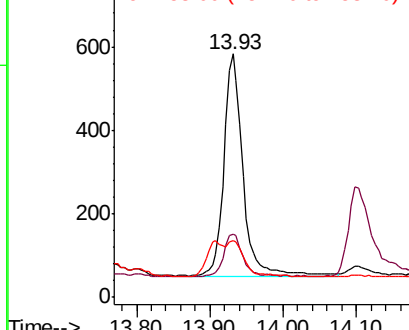
152 100

151 26.2 16.2 24.4#

153 23.3 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: 0.097 ng/ul

RT: 14.28 min Scan# 3058

Delta R.T. -0.01 min

Lab File: BN008352.D

Acq: 23 Oct 2019 16:44

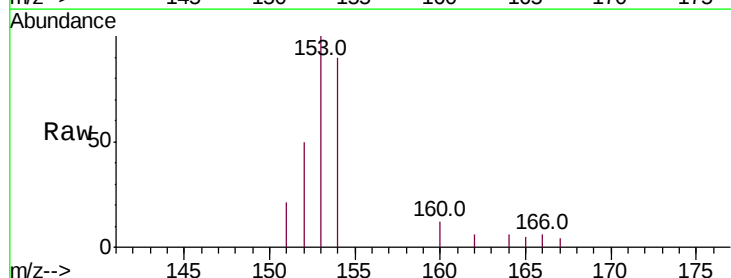
Tgt Ion:153 Resp: 1955

Ion Ratio Lower Upper

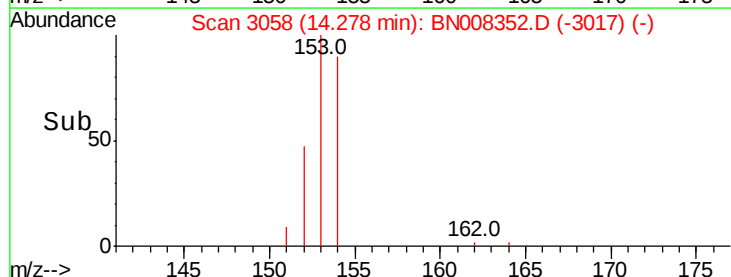
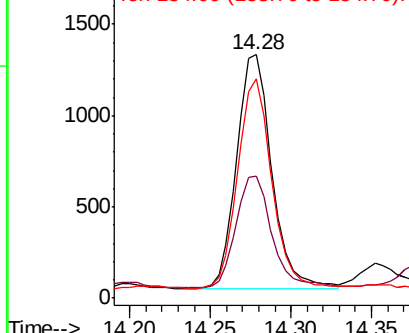
153 100

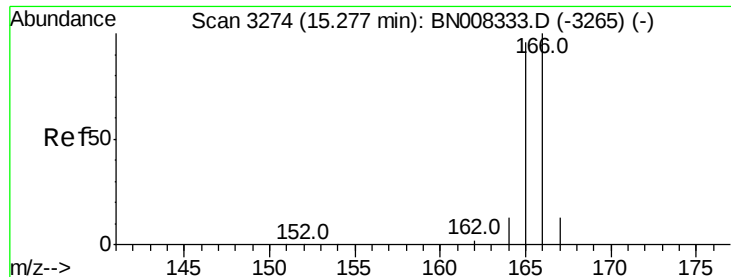
152 50.0 38.2 57.2

154 90.0 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

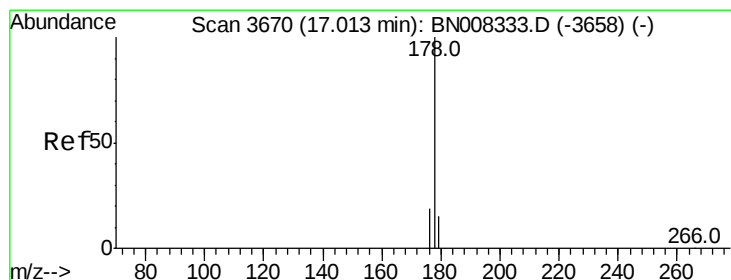
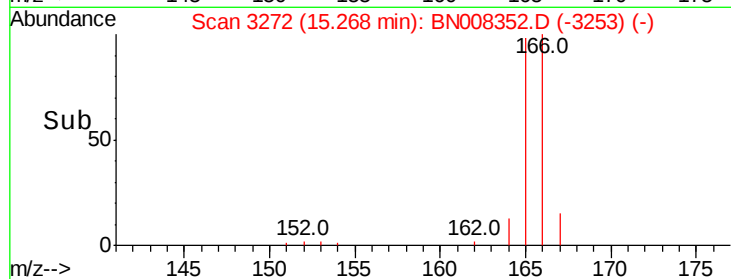
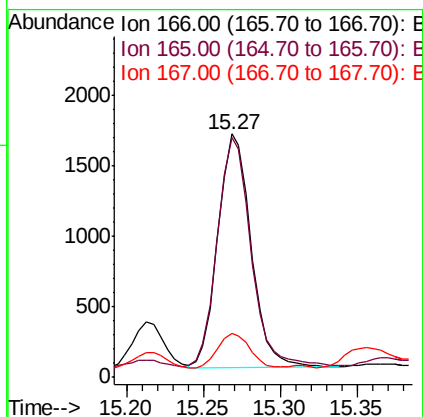
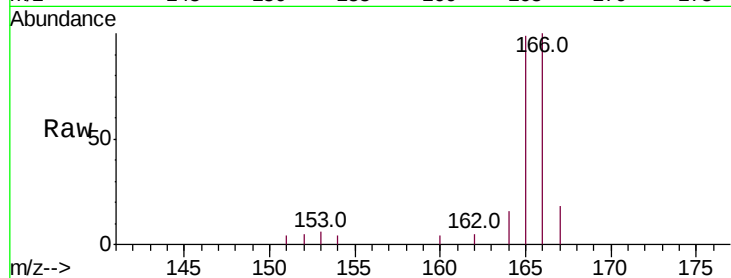




#9
Fluorene
 Concen: 0.109 ng/ul
 RT: 15.27 min Scan# 3272
 Delta R.T. -0.01 min
 Lab File: BN008352.D
 Acq: 23 Oct 2019 16:44

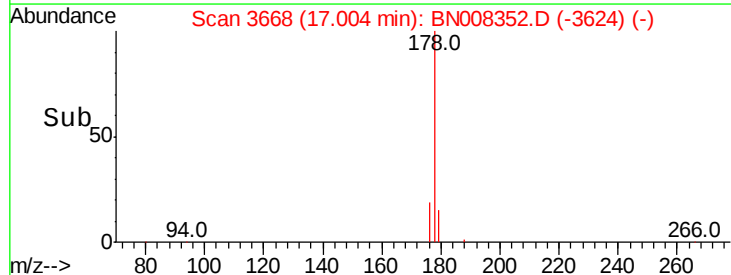
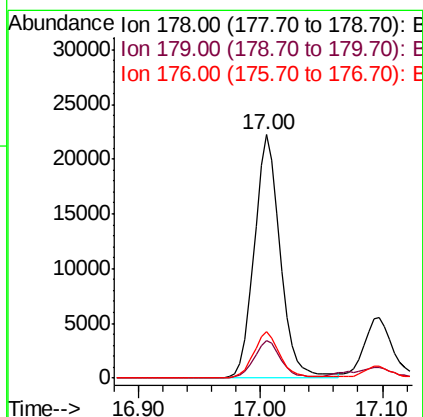
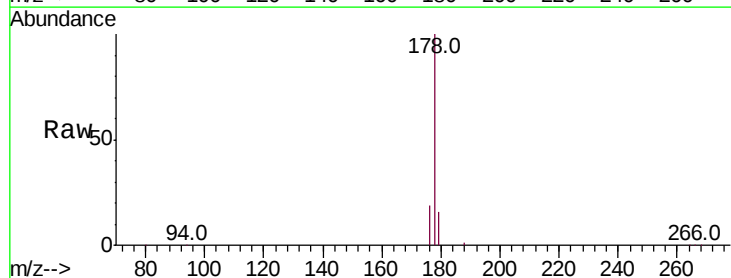
Instrument :
 BNA_N
 ClientSampleId :

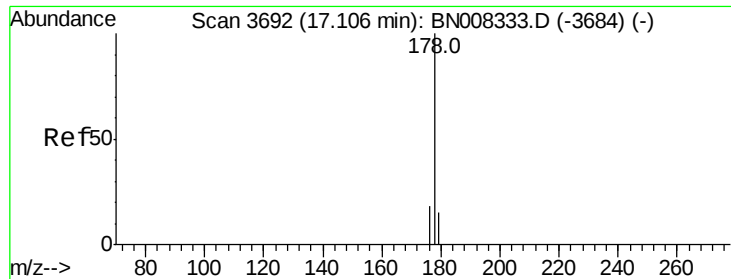
Tot Ion:166 Resp: 2485
 Ion Ratio Lower Upper
 166 100
 165 98.6 76.6 115.0
 167 18.0 11.7 17.5#



#12
Phenanthrene
 Concen: 0.942 ng/ul
 RT: 17.00 min Scan# 3668
 Delta R.T. -0.01 min
 Lab File: BN008352.D
 Acq: 23 Oct 2019 16:44

Tgt Ion:178 Resp: 32024
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.8 19.2
 176 19.0 15.4 23.2





#13

Anthracene

Concen: 0.297 ng/ul

RT: 17.10 min Scan# 3690

Delta R.T. -0.01 min

Lab File: BN008352.D

Acq: 23 Oct 2019 16:44

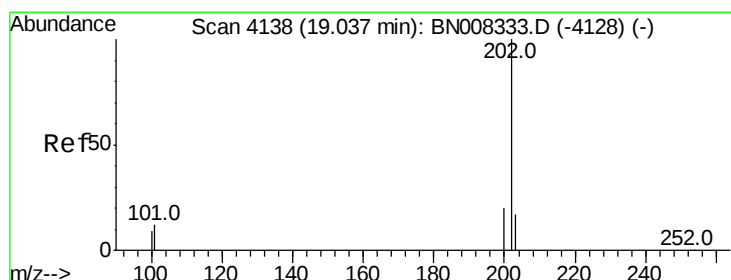
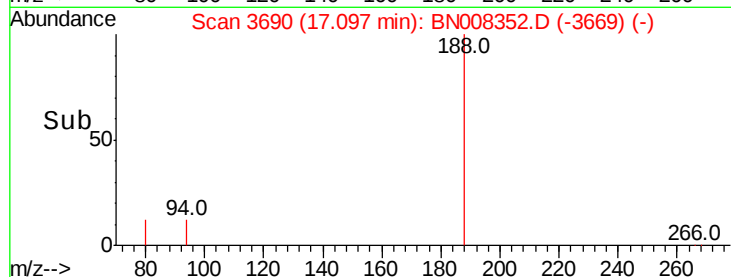
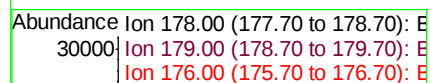
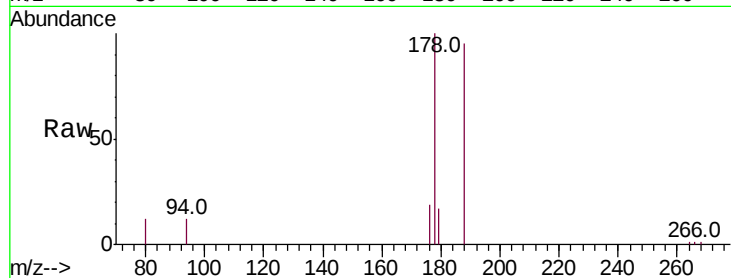
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 8897

Ion	Ratio	Lower	Upper
178	100		
179	17.4	13.0	19.6
176	18.8	15.0	22.6



#15

Fluoranthene

Concen: 0.893 ng/ul

RT: 19.03 min Scan# 4137

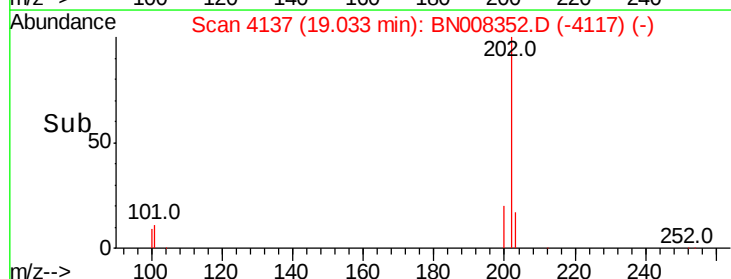
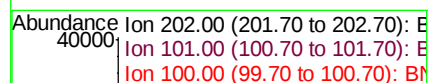
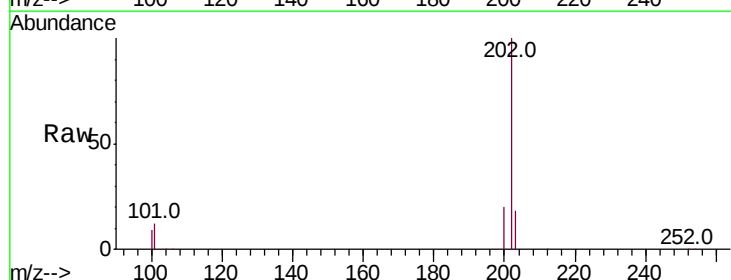
Delta R.T. -0.01 min

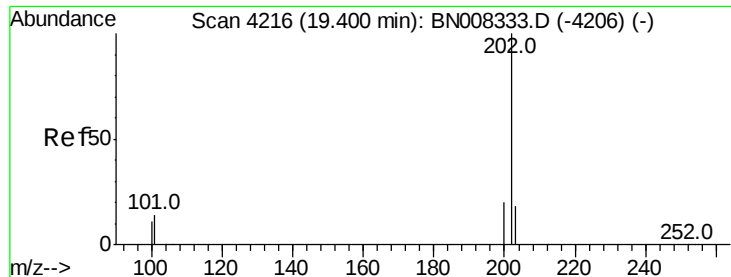
Lab File: BN008352.D

Acq: 23 Oct 2019 16:44

Tgt Ion:202 Resp: 40091

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.2
100	8.9	0.0	28.5

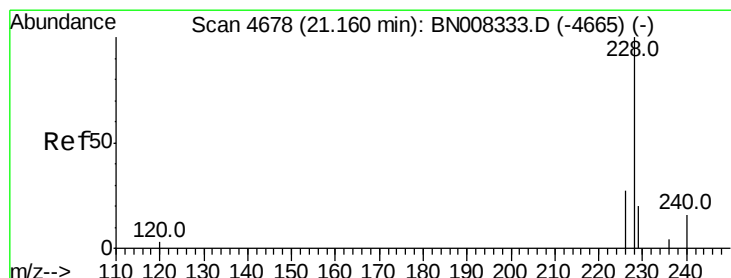
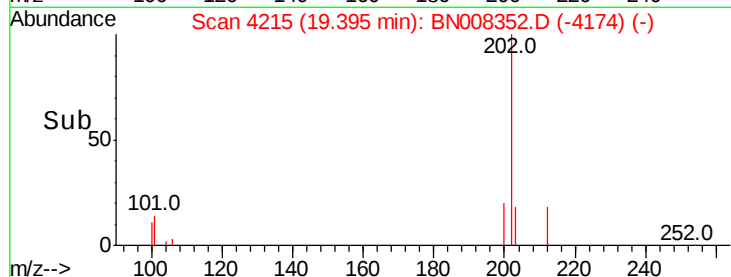
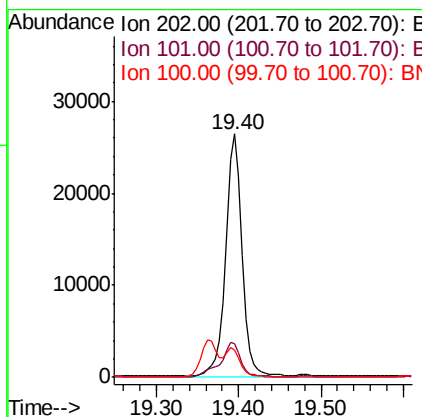
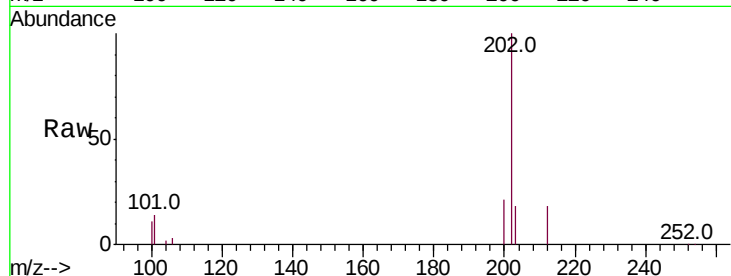




#17
Pvrene
Concen: 0.904 ng/ul
RT: 19.40 min Scan# 4215
Delta R.T. -0.01 min
Lab File: BN008352.D
Acq: 23 Oct 2019 16:44

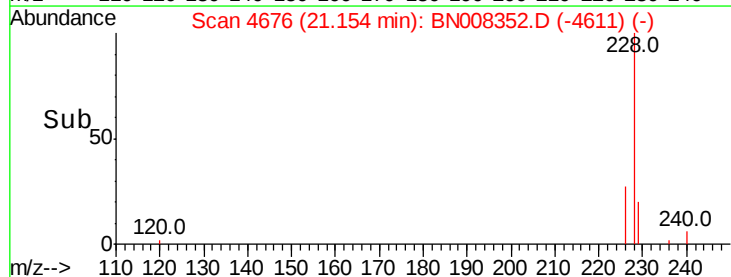
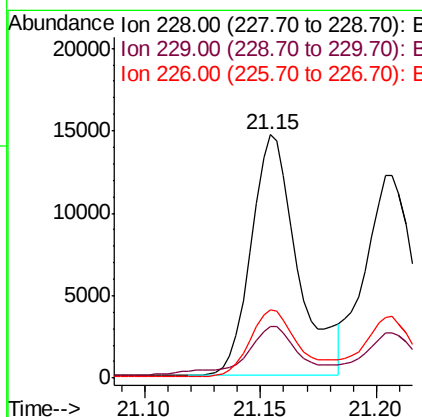
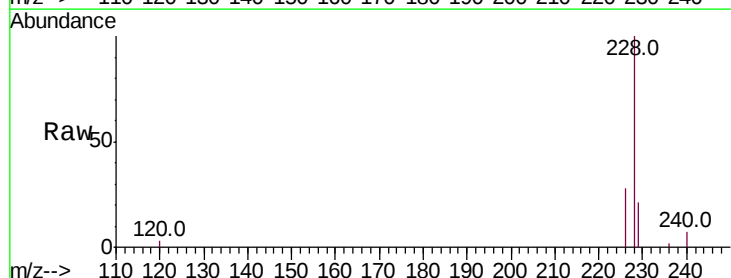
Instrument :
BNA_N
ClientSampleId :

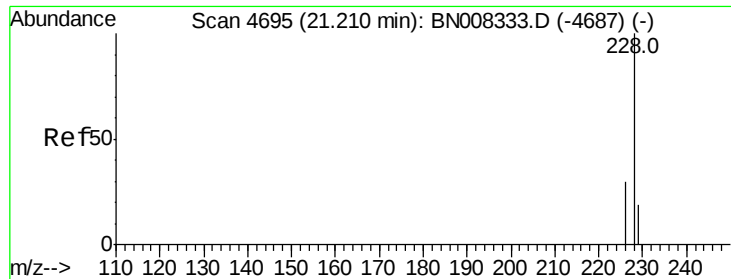
Tot Ion:202 Resp: 36503
Ion Ratio Lower Upper
202 100
101 14.0 10.9 16.3
100 11.4 8.7 13.1



#18
Benzo(a)anthracene
Concen: 0.550 ng/ul
RT: 21.15 min Scan# 4676
Delta R.T. -0.01 min
Lab File: BN008352.D
Acq: 23 Oct 2019 16:44

Tgt Ion:228 Resp: 20274
Ion Ratio Lower Upper
228 100
229 21.1 16.2 24.2
226 28.1 21.4 32.0





#19

Chrysene

Concen: 0.421 ng/ul

RT: 21.20 min Scan# 4693

Delta R.T. -0.01 min

Lab File: BN008352.D

Acq: 23 Oct 2019 16:44

Instrument :

BNA_N

ClientSampleId :

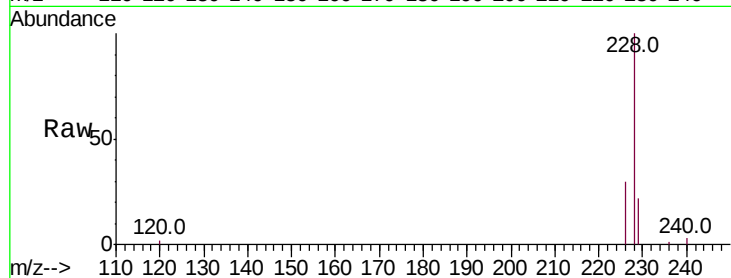
Tot Ion:228 Resp: 19060

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

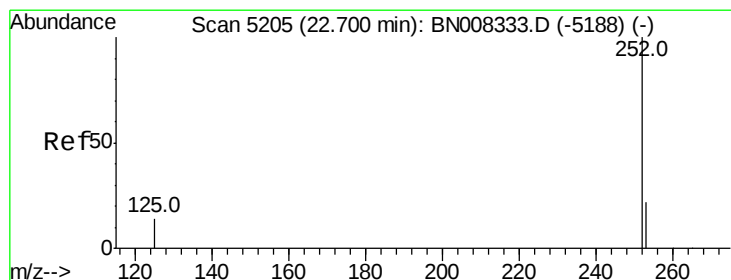
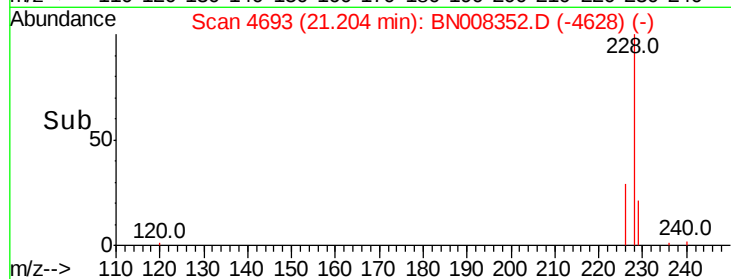
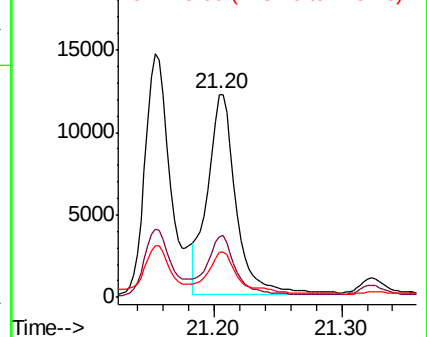
229 22.1 16.2 24.2



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: 0.961 ng/ul

RT: 22.70 min Scan# 5206

Delta R.T. -0.01 min

Lab File: BN008352.D

Acq: 23 Oct 2019 16:44

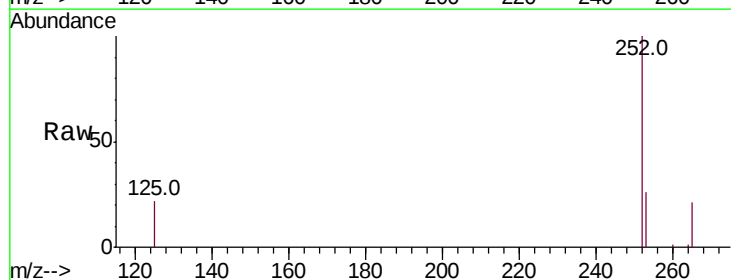
Tgt Ion:252 Resp: 26019

Ion Ratio Lower Upper

252 100

253 26.5 0.0 53.4

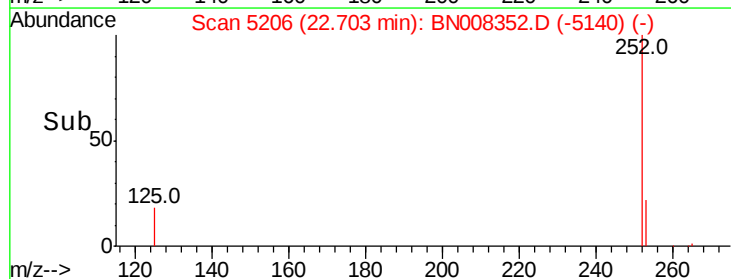
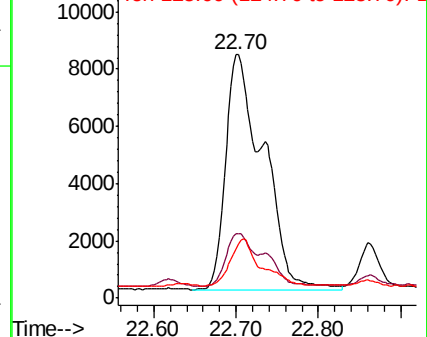
125 22.5 0.0 32.4

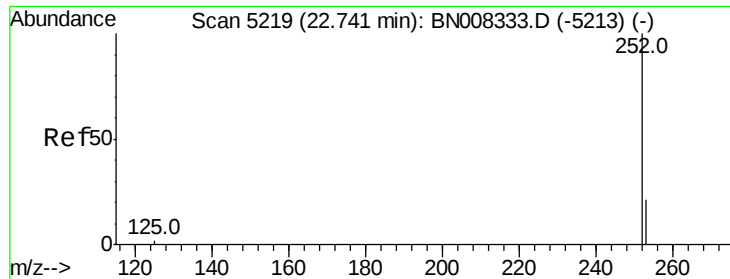


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

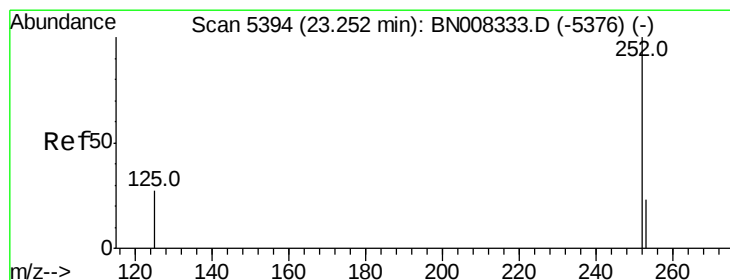
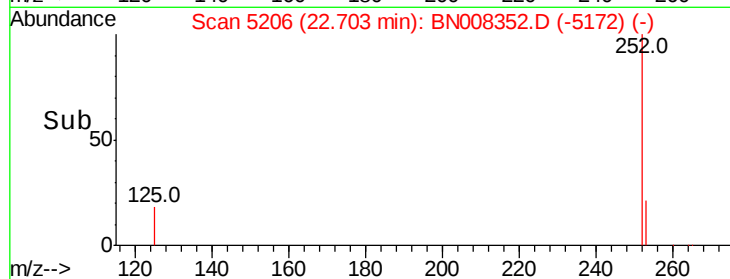
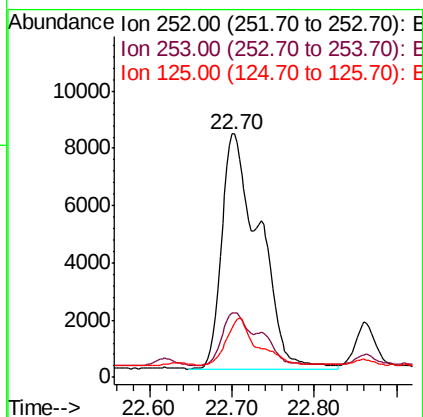
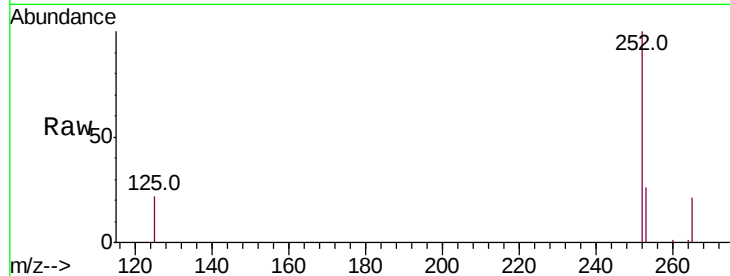




#22
Benzo(k)fluoranthene
Concen: 0.849 ng/ul
RT: 22.70 min Scan# 5206
Delta R.T. -0.05 min
Lab File: BN008352.D
Acq: 23 Oct 2019 16:44

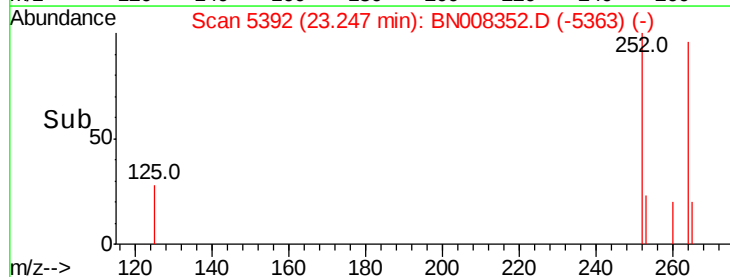
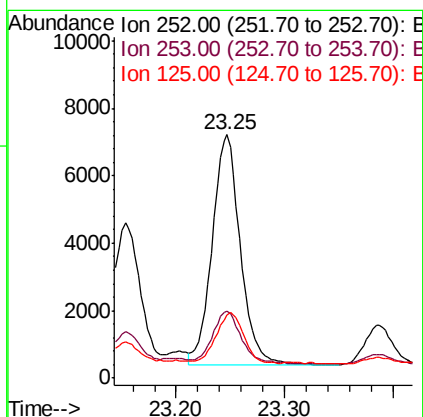
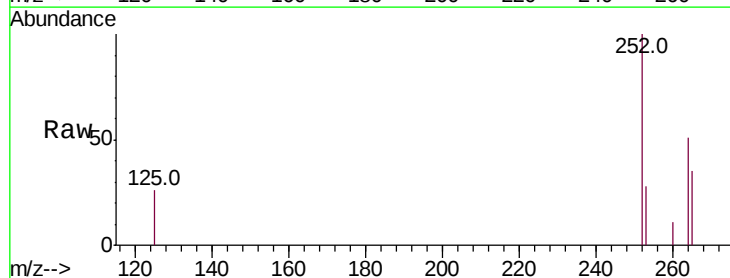
Instrument :
BNA_N
ClientSampleId :

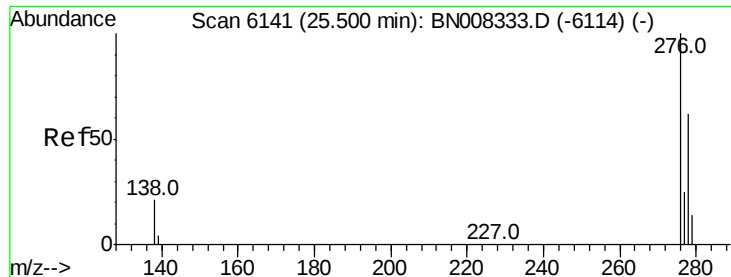
Tot Ion:252 Resp: 26019
Ion Ratio Lower Upper
252 100
253 26.5 21.3 31.9
125 22.5 12.3 18.5#



#23
Benzo(a)pyrene
Concen: 0.434 ng/ul
RT: 23.25 min Scan# 5392
Delta R.T. -0.01 min
Lab File: BN008352.D
Acq: 23 Oct 2019 16:44

Tgt Ion:252 Resp: 12361
Ion Ratio Lower Upper
252 100
253 27.6 22.8 34.2
125 26.1 18.4 27.6



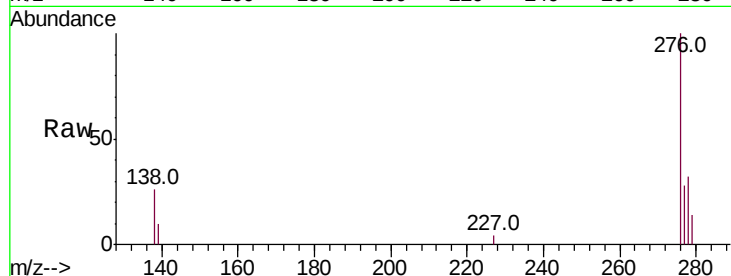


#24

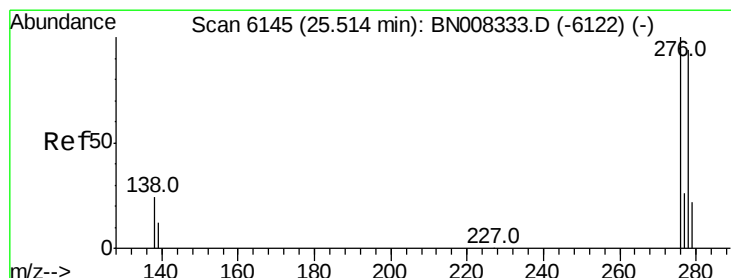
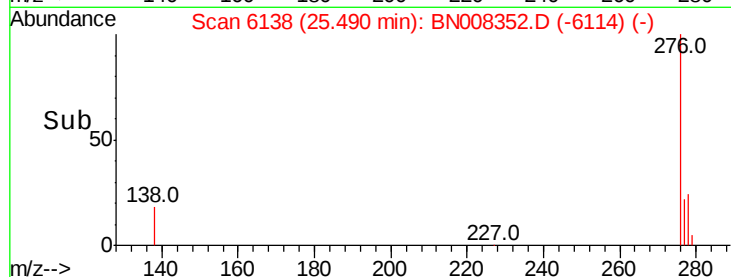
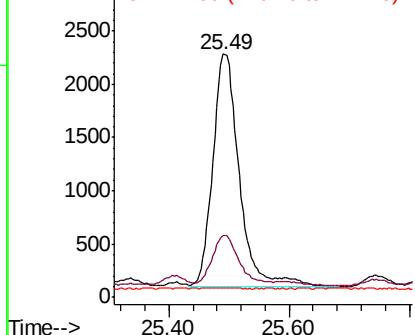
Indeno(1,2,3-cd)pyrene
Concen: 0.202 ng/ul
RT: 25.49 min Scan# 6138
Delta R.T. -0.02 min
Lab File: BN008352.D
Acq: 23 Oct 2019 16:44

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 6764
Ion Ratio Lower Upper
276 100
138 23.2 16.1 24.1
227 0.1 0.2 0.2#



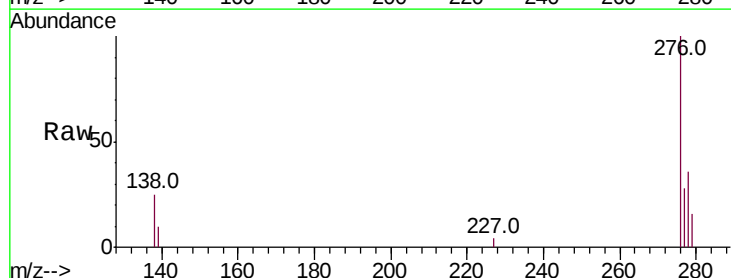
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



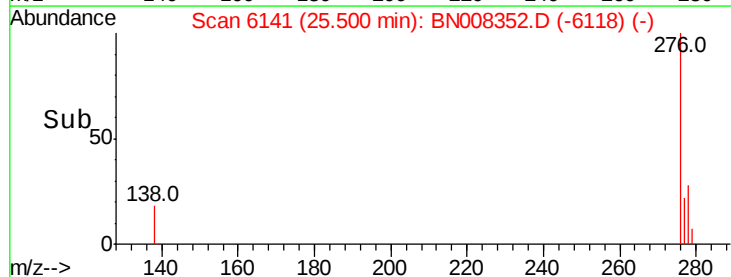
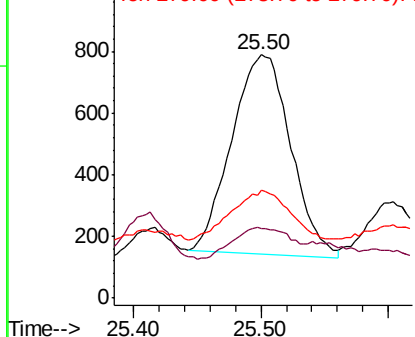
#25

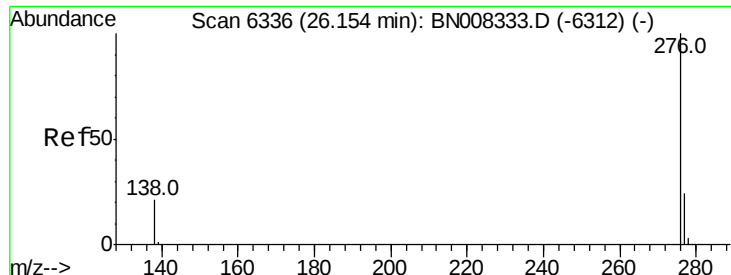
Dibenzo(a,h)anthracene
Concen: 0.079 ng/ul
RT: 25.50 min Scan# 6141
Delta R.T. -0.02 min
Lab File: BN008352.D
Acq: 23 Oct 2019 16:44

Tgt Ion:278 Resp: 2090
Ion Ratio Lower Upper
278 100
139 28.6 15.0 22.6#
279 44.2 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: 0.161 ng/ul

RT: 26.15 min Scan# 6334

Delta R.T. -0.02 min

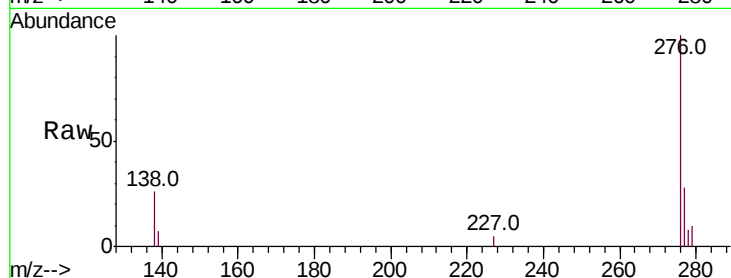
Lab File: BN008352.D

Acq: 23 Oct 2019 16:44

Instrument :

BNA_N

ClientSampleId :



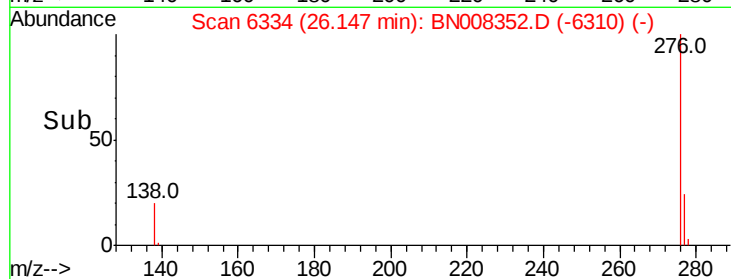
Tot Ion:276 Resp: 4954

Ion Ratio Lower Upper

276 100

138 25.8 17.0 25.4#

277 28.2 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

