

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008319.D
 Acq On : 22 Oct 2019 17:46
 Operator : JU
 Sample : K5199-20DL 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 23 01:04:37 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

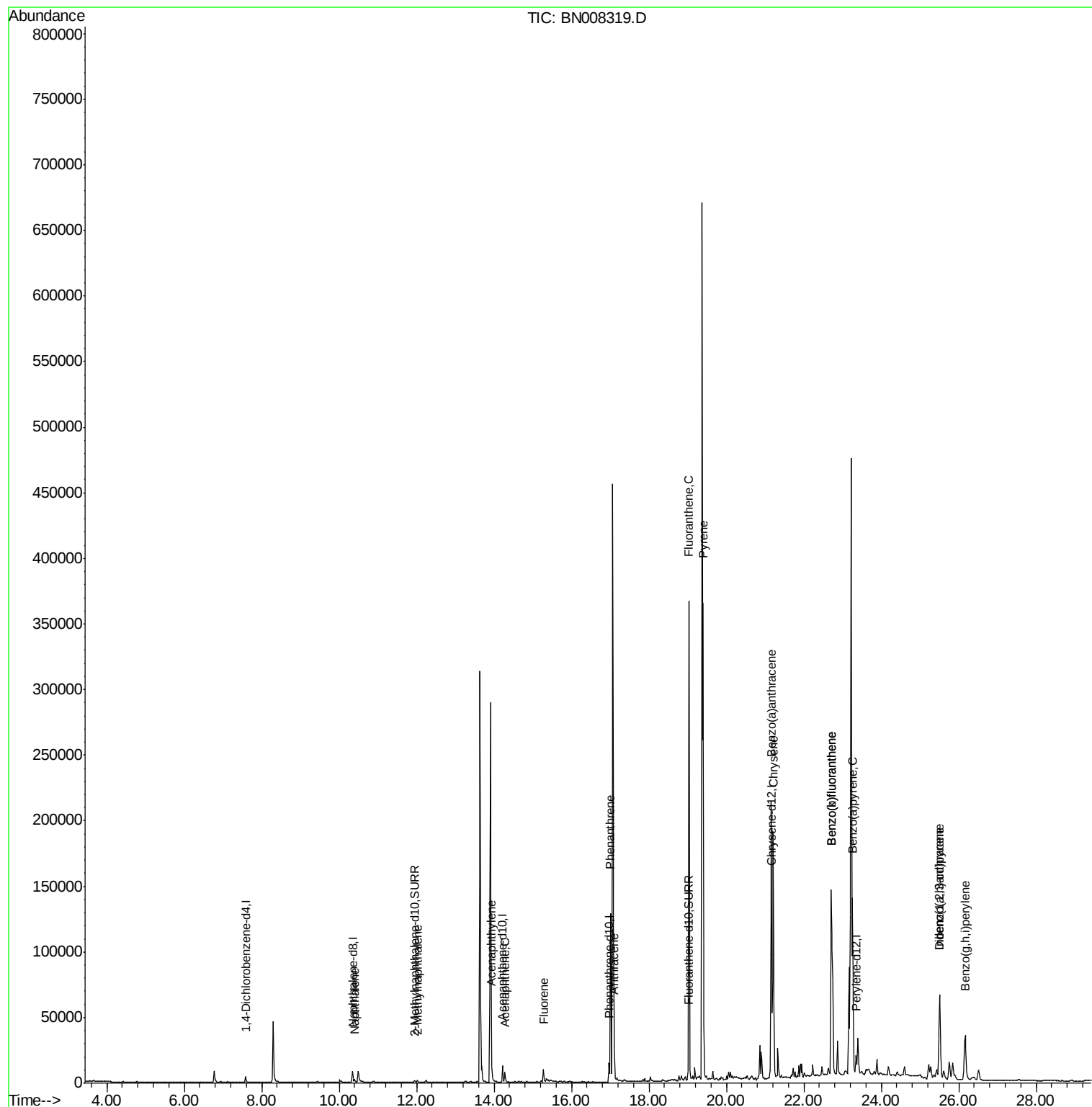
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	2316	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.35	136	11345	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.22	164	7251	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	16198	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	16297	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	16130	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	2234	0.12	ng/ul	-0.01
14) Fluoranthene-d10	19.00	212	7559	0.14	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.39	128	3124	0.097	ng/ul	95
5) 2-Methylnaphthalene	12.02	142	1480	0.067	ng/ul	99
7) Acenaphthylene	13.94	152	9964	0.289	ng/ul	97
8) Acenaphthene	14.28	153	4658	0.173	ng/ul	98
9) Fluorene	15.27	166	6313	0.207	ng/ul	97
12) Phenanthrene	17.01	178	132663	2.797	ng/ul	99
13) Anthracene	17.10	178	26687	0.639	ng/ul	99
15) Fluoranthene	19.04	202	311907	4.980	ng/ul	100
17) Pyrene	19.40	202	290052	4.470	ng/ul	98
18) Benzo(a)anthracene	21.16	228	175574	2.963	ng/ul	97
19) Chrysene	21.21	228	185819	2.556	ng/ul	99
21) Benzo(b)fluoranthene	22.71	252	304246	5.794	ng/ul	95
22) Benzo(k)fluoranthene	22.71	252	304246	5.115	ng/ul	95
23) Benzo(a)pyrene	23.26	252	155818	2.820	ng/ul	91
24) Indeno(1,2,3-cd)pyrene	25.50	276	92299	1.418	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.51	278	24418	0.475	ng/ul	96
26) Benzo(a,h,i)perylene	26.16	276	69675	1.168	ng/ul	98

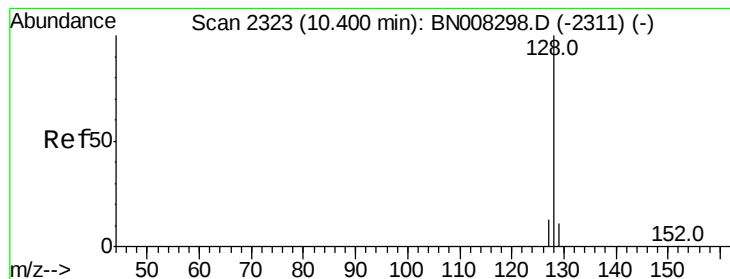
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 21 23:58:15 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.097 ng/ul

RT: 10.39 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BN008319.D

Acq: 22 Oct 2019 17:46

Instrument :

BNA_N

ClientSampleId :

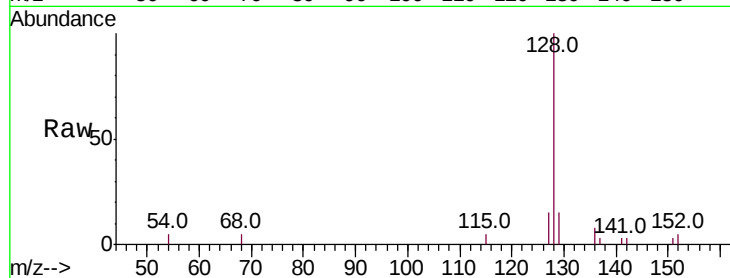
Tot Ion:128 Resp: 3124

Ion Ratio Lower Upper

128 100

129 14.7 9.8 14.8

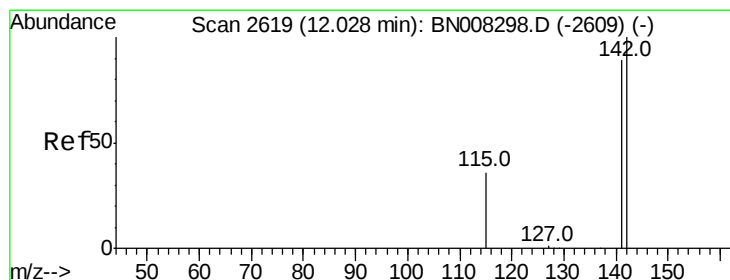
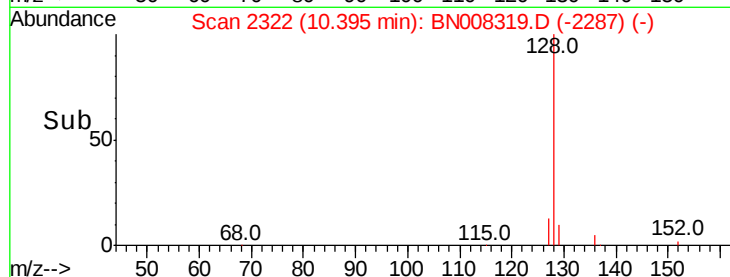
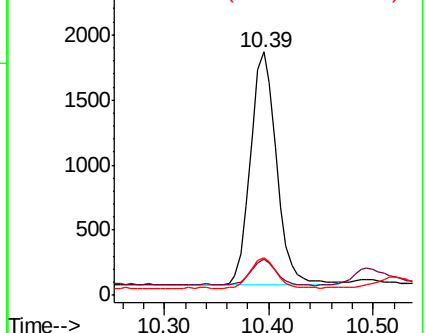
127 15.4 11.1 16.7



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



#5

2-Methylnaphthalene

Concen: 0.067 ng/ul

RT: 12.02 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BN008319.D

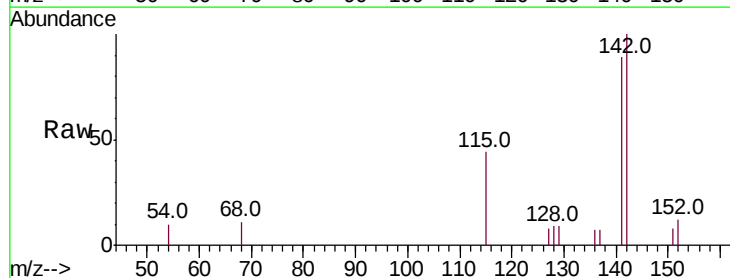
Acq: 22 Oct 2019 17:46

Tgt Ion:142 Resp: 1480

Ion Ratio Lower Upper

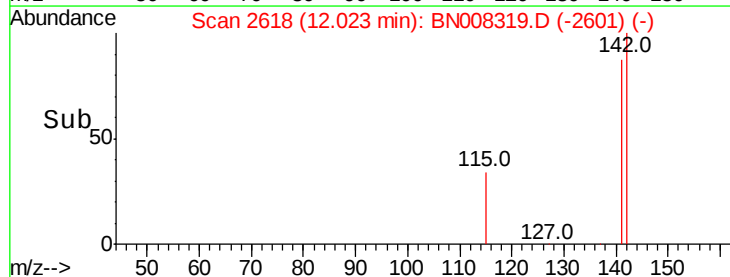
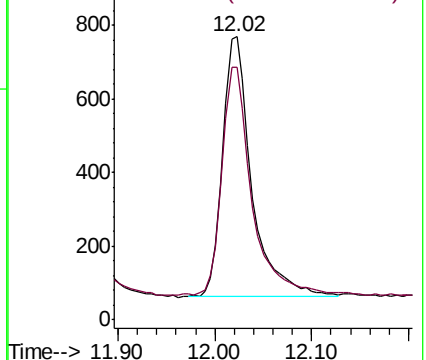
142 100

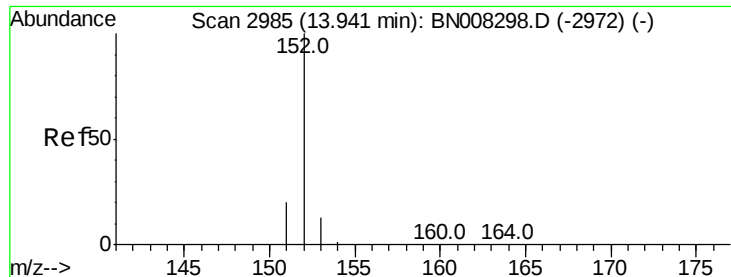
141 89.8 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.289 ng/ul

RT: 13.94 min Scan# 2984

Delta R.T. -0.01 min

Lab File: BN008319.D

Acq: 22 Oct 2019 17:46

Instrument :

BNA_N

ClientSampleId :

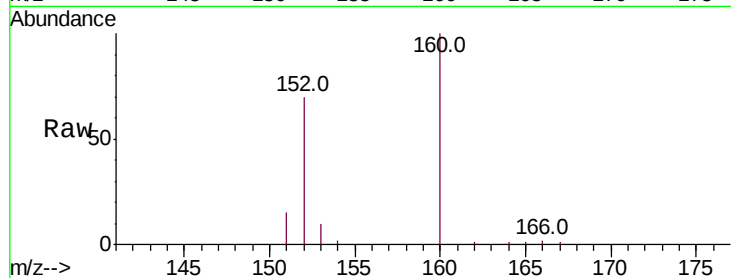
Tot Ion:152 Resp: 9964

Ion Ratio Lower Upper

152 100

151 21.7 16.2 24.4

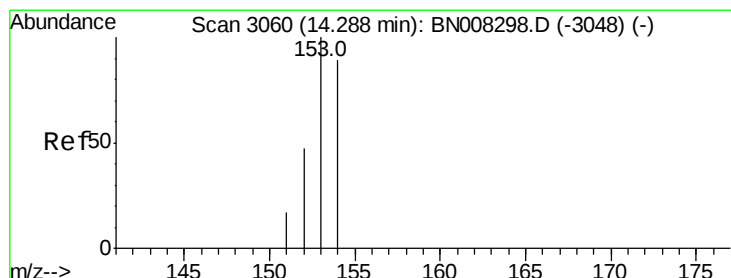
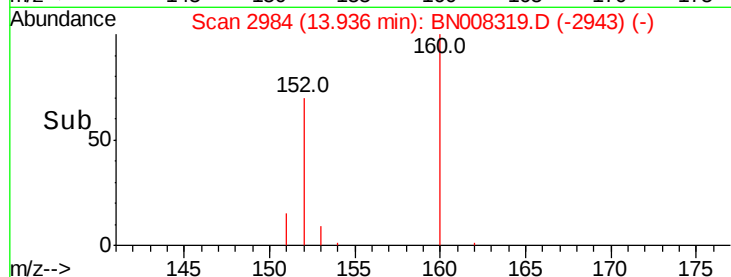
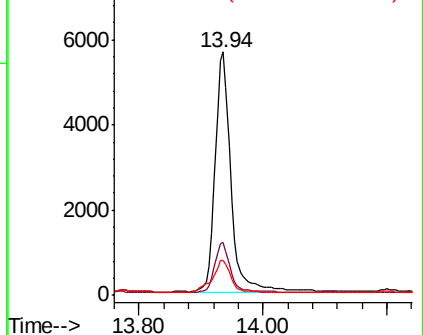
153 14.5 11.0 16.4



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: 0.173 ng/ul

RT: 14.28 min Scan# 3058

Delta R.T. -0.01 min

Lab File: BN008319.D

Acq: 22 Oct 2019 17:46

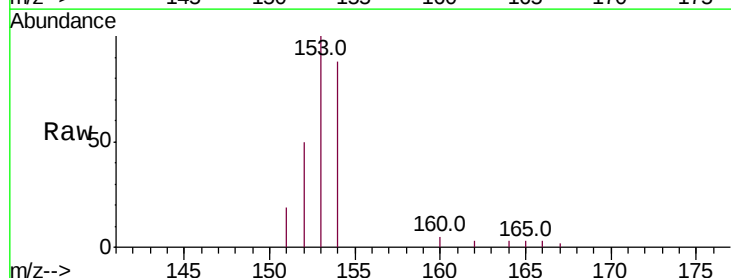
Tgt Ion:153 Resp: 4658

Ion Ratio Lower Upper

153 100

152 49.7 38.2 57.2

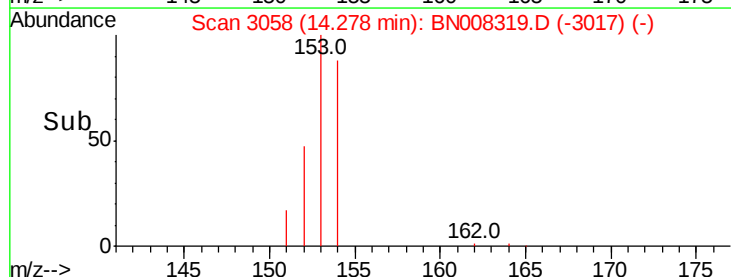
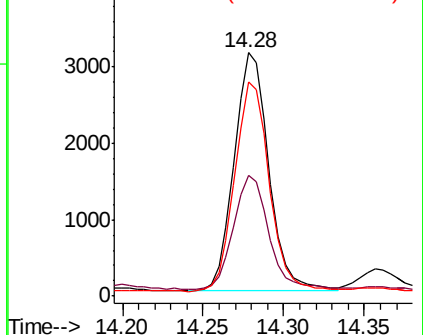
154 87.9 71.8 107.8

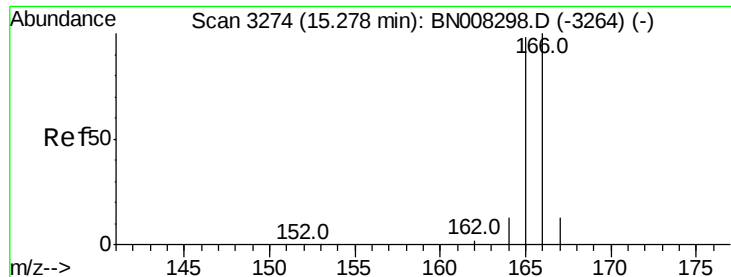


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

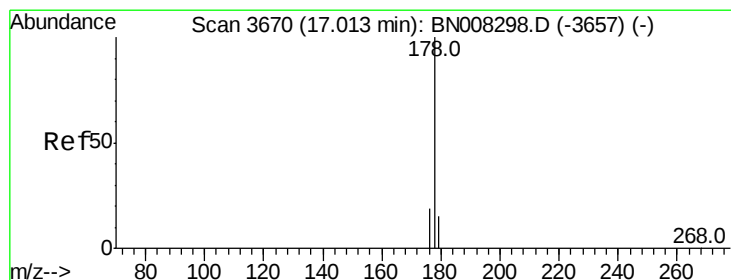
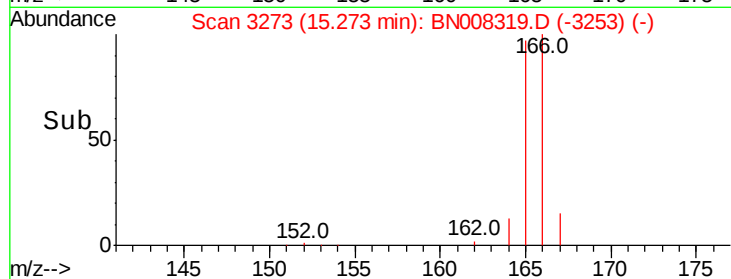
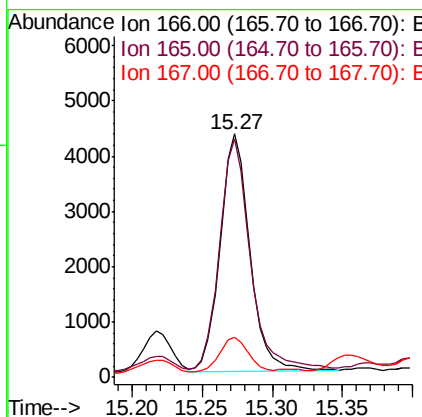
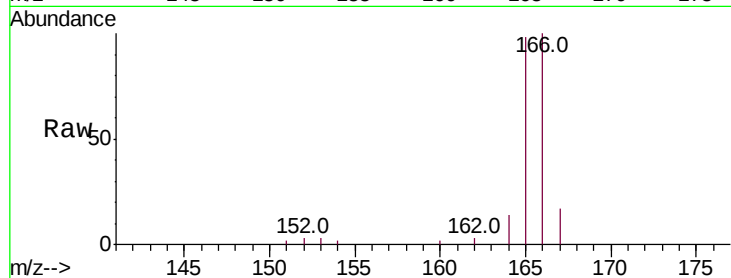




#9
Fluorene
 Concen: 0.207 ng/ul
 RT: 15.27 min Scan# 3273
 Delta R.T. -0.01 min
 Lab File: BN008319.D
 Acq: 22 Oct 2019 17:46

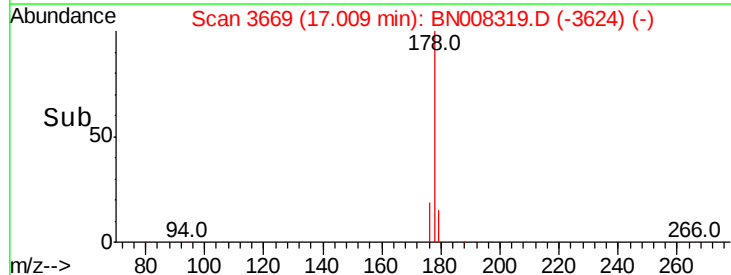
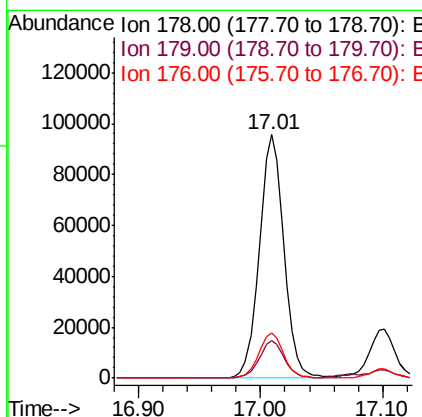
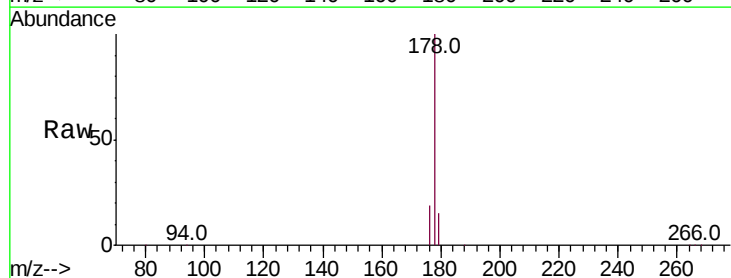
Instrument :
 BNA_N
 ClientSampleId :

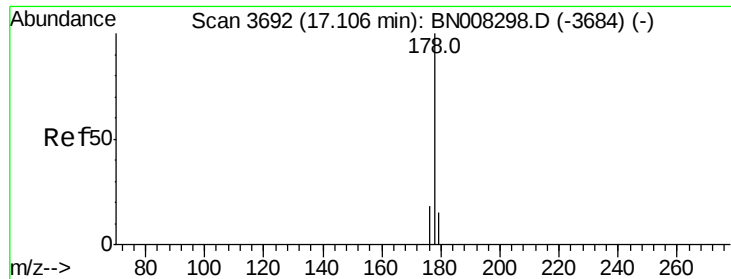
Tot Ion:166 Resp: 6313
 Ion Ratio Lower Upper
 166 100
 165 98.0 76.6 115.0
 167 16.6 11.7 17.5



#12
Phenanthrene
 Concen: 2.797 ng/ul
 RT: 17.01 min Scan# 3669
 Delta R.T. -0.01 min
 Lab File: BN008319.D
 Acq: 22 Oct 2019 17:46

Tgt Ion:178 Resp: 132663
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.8 19.2
 176 18.8 15.4 23.2





#13

Anthracene

Concen: 0.639 ng/ul

RT: 17.10 min Scan# 3691

Delta R.T. -0.01 min

Lab File: BN008319.D

Acq: 22 Oct 2019 17:46

Instrument :

BNA_N

ClientSampleId :

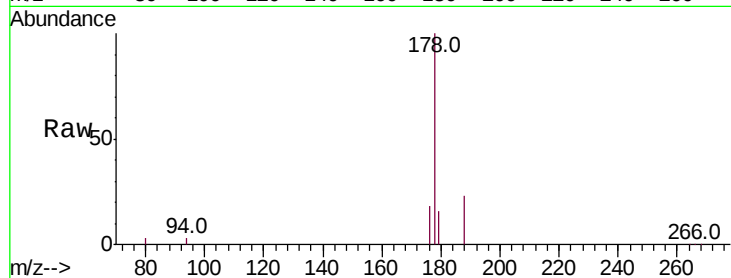
Tot Ion:178 Resp: 26687

Ion Ratio Lower Upper

178 100

179 16.2 13.0 19.6

176 18.2 15.0 22.6

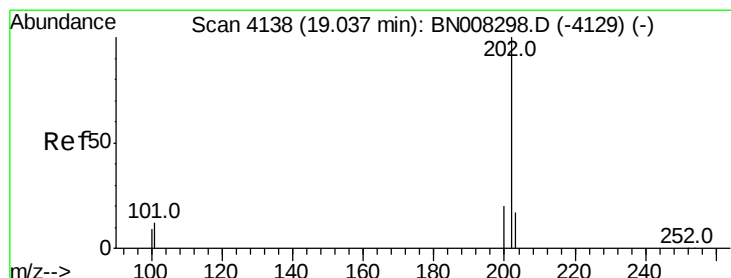
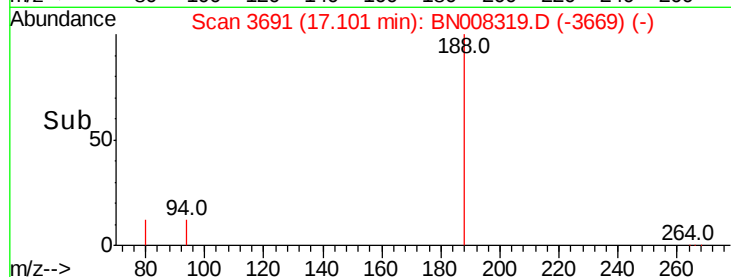
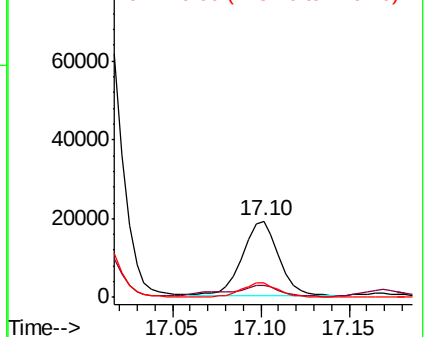


Abundance

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: 4.980 ng/ul

RT: 19.04 min Scan# 4138

Delta R.T. -0.00 min

Lab File: BN008319.D

Acq: 22 Oct 2019 17:46

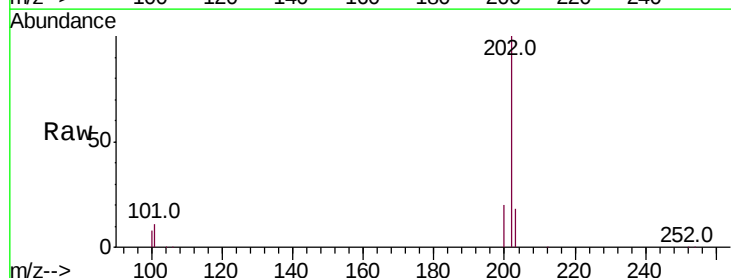
Tgt Ion:202 Resp: 311907

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.2

100 8.4 0.0 28.5

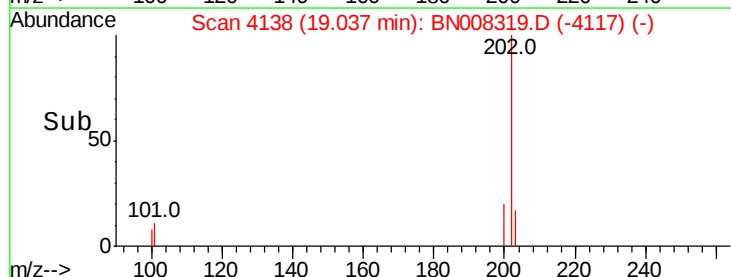
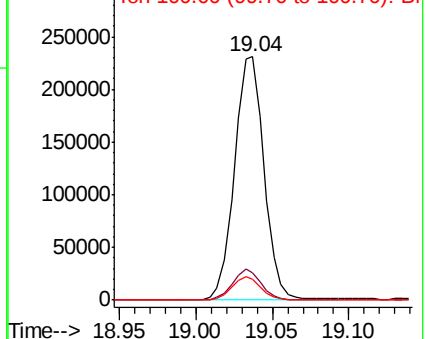


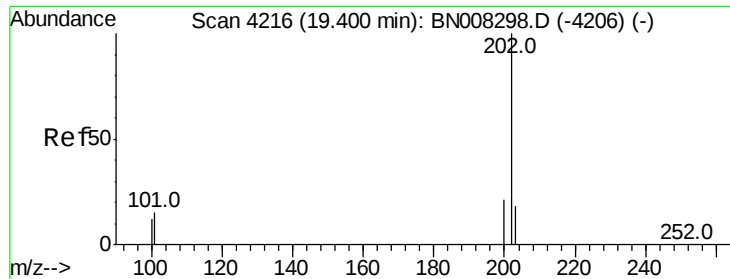
Abundance

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

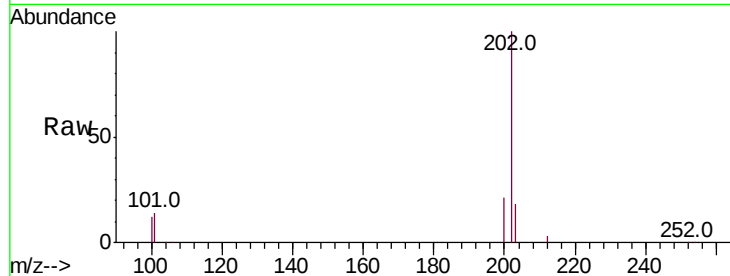




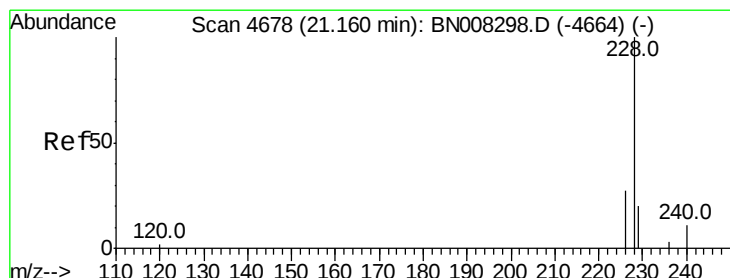
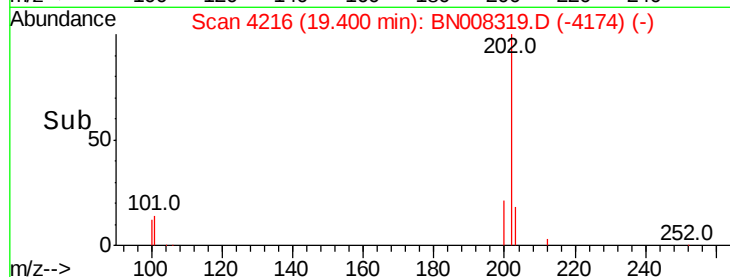
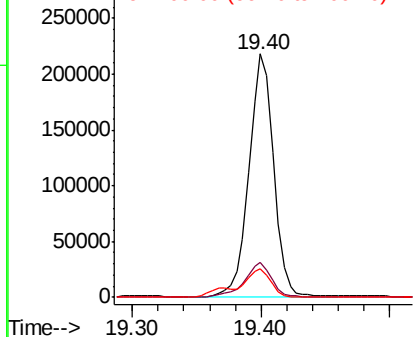
#17
Pvrene
Concen: 4.470 ng/ul
RT: 19.40 min Scan# 4216
Delta R.T. -0.00 min
Lab File: BN008319.D
Acq: 22 Oct 2019 17:46

Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.1	10.9	16.3
100	11.6	8.7	13.1

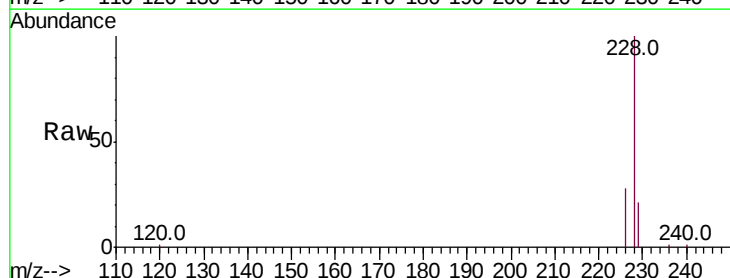


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

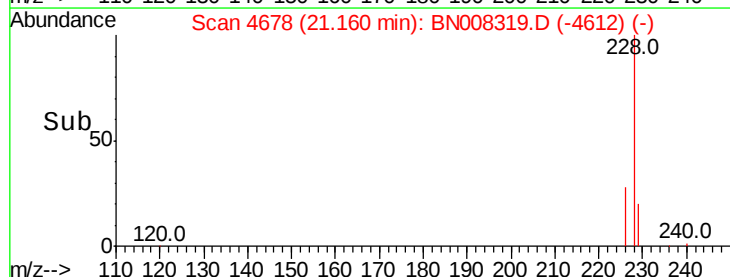
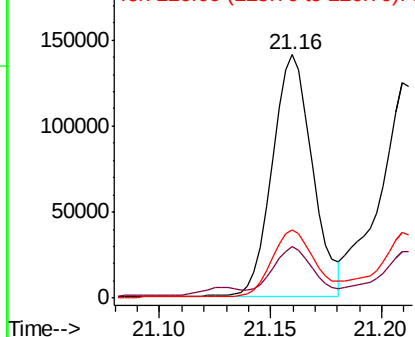


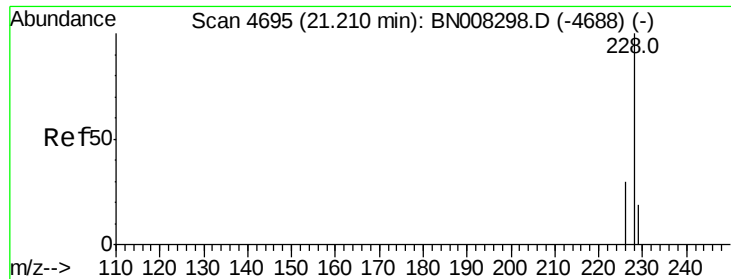
#18
Benzo(a)anthracene
Concen: 2.963 ng/ul
RT: 21.16 min Scan# 4678
Delta R.T. -0.01 min
Lab File: BN008319.D
Acq: 22 Oct 2019 17:46

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.0	16.2	24.2
226	28.3	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: 2.556 ng/ul

RT: 21.21 min Scan# 4695

Delta R.T. -0.01 min

Lab File: BN008319.D

Acq: 22 Oct 2019 17:46

Instrument :

BNA_N

ClientSampleId :

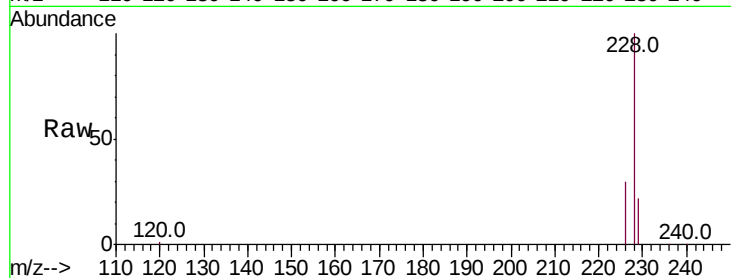
Tot Ion:228 Resp: 185819

Ion Ratio Lower Upper

228 100

226 30.3 24.1 36.1

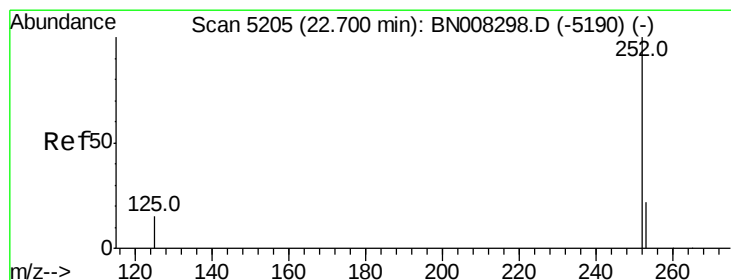
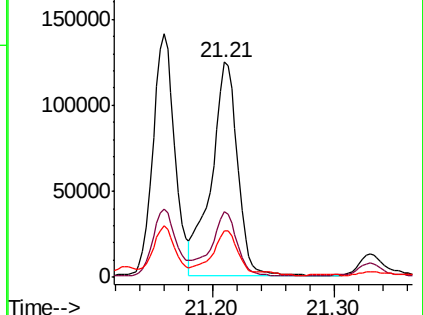
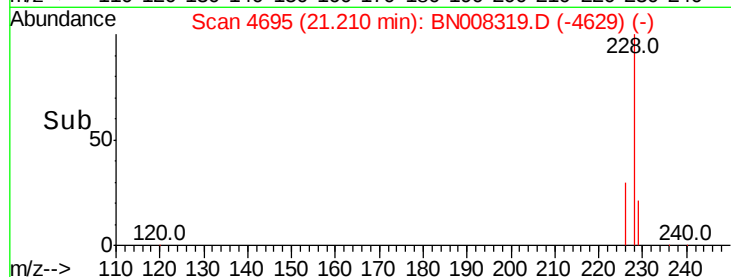
229 21.6 16.2 24.2



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: 5.794 ng/ul

RT: 22.71 min Scan# 5208

Delta R.T. 0.00 min

Lab File: BN008319.D

Acq: 22 Oct 2019 17:46

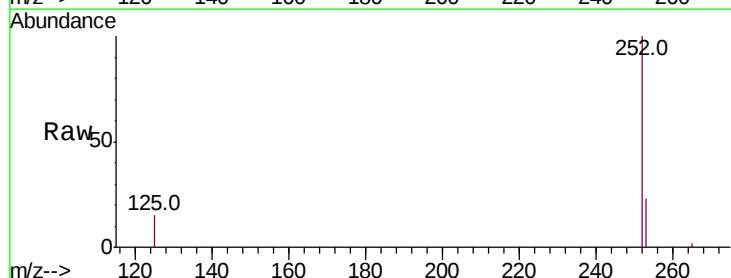
Tgt Ion:252 Resp: 304246

Ion Ratio Lower Upper

252 100

253 23.2 0.0 53.4

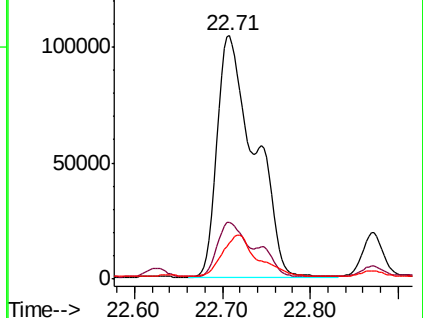
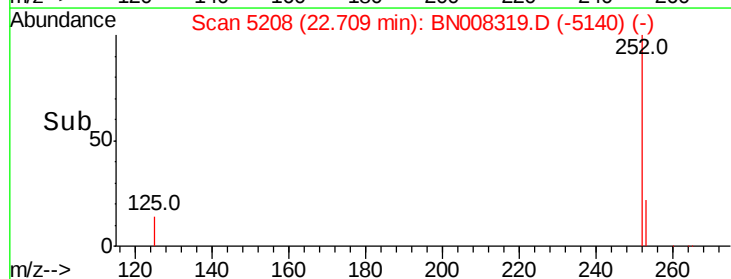
125 14.8 0.0 32.4

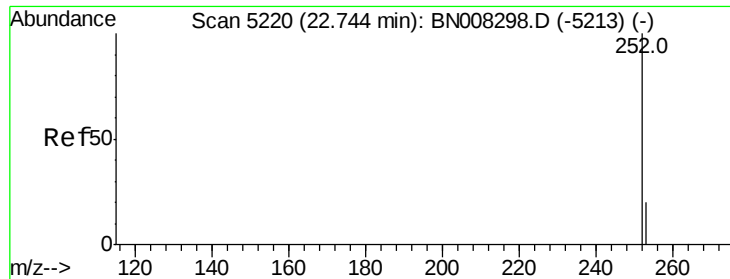


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 5.115 ng/ul

RT: 22.71 min Scan# 5208

Delta R.T. -0.04 min

Lab File: BN008319.D

Acq: 22 Oct 2019 17:46

Instrument :

BNA_N

ClientSampleId :

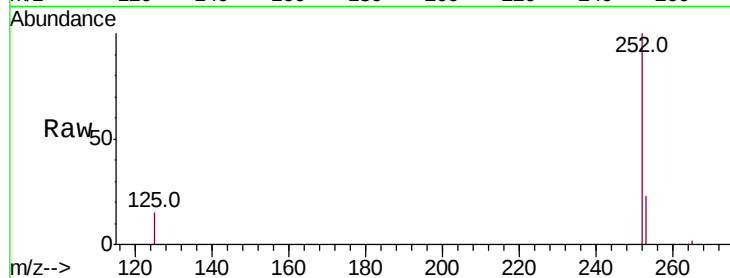
Tot Ion:252 Resp: 304246

Ion Ratio Lower Upper

252 100

253 23.2 21.3 31.9

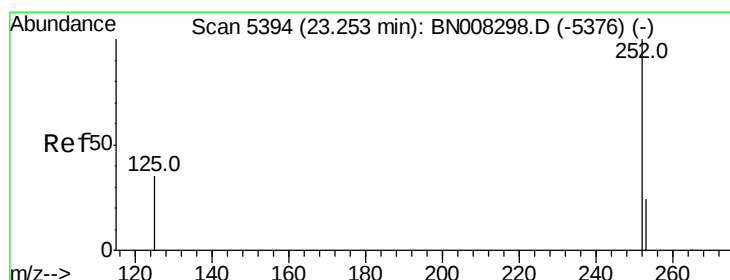
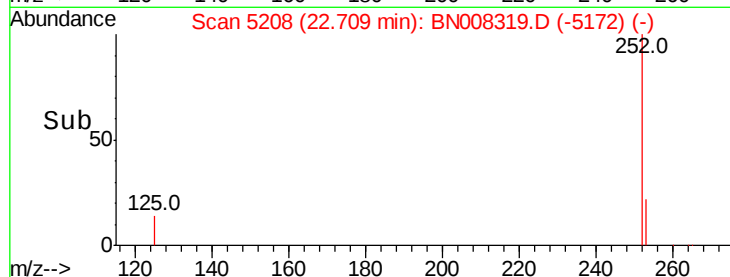
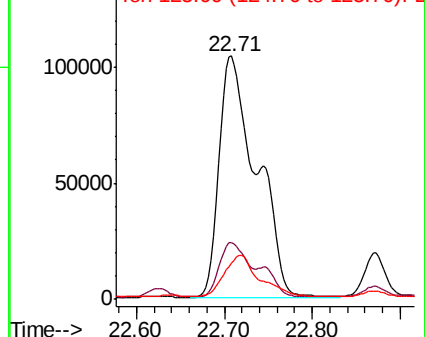
125 14.8 12.3 18.5



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: 2.820 ng/ul

RT: 23.26 min Scan# 5396

Delta R.T. -0.00 min

Lab File: BN008319.D

Acq: 22 Oct 2019 17:46

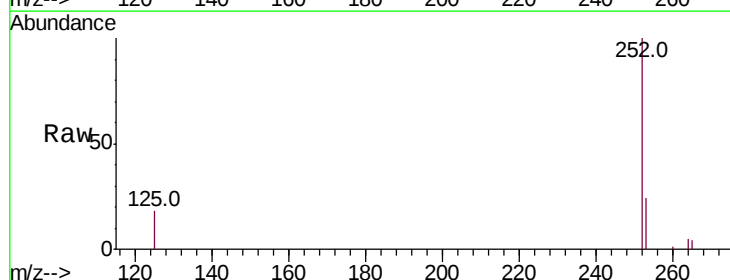
Tgt Ion:252 Resp: 155818

Ion Ratio Lower Upper

252 100

253 23.5 22.8 34.2

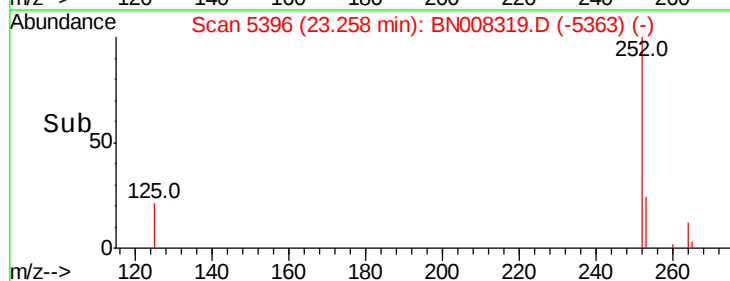
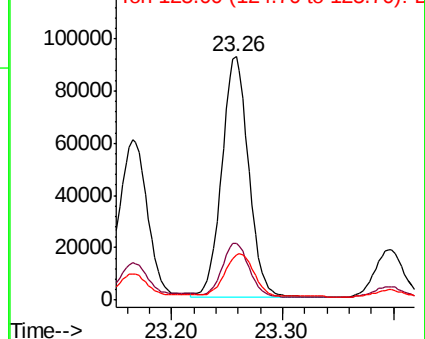
125 18.4 18.4 27.6

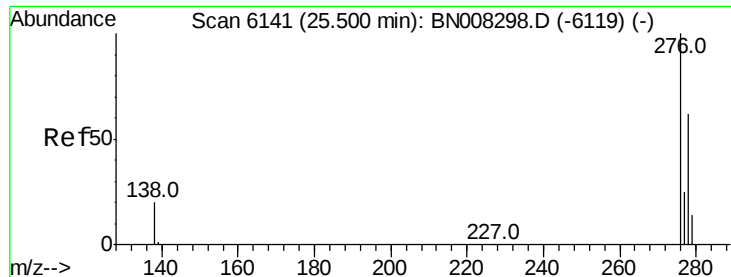


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

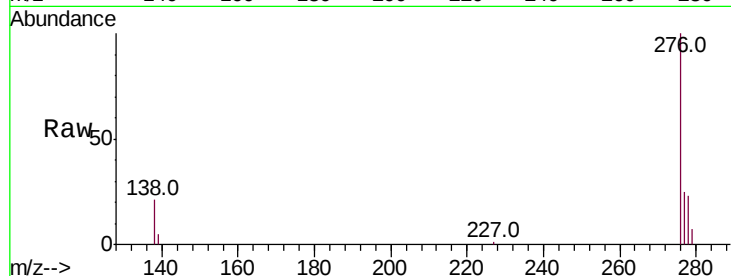




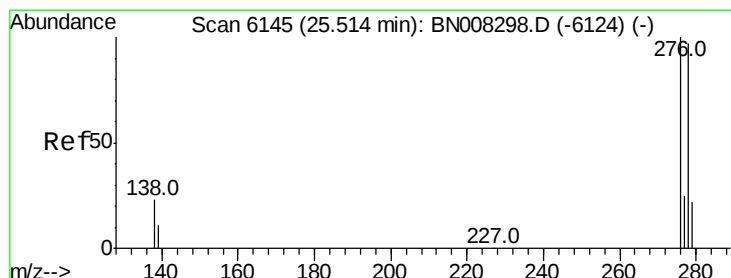
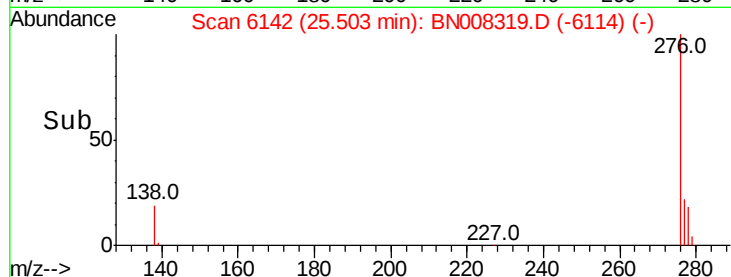
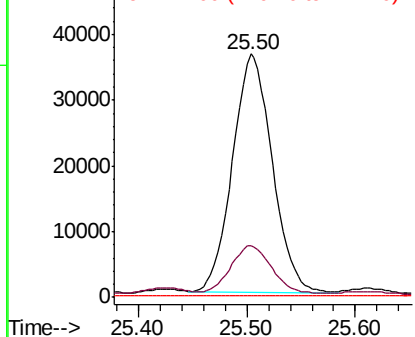
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.418 ng/ul
 RT: 25.50 min Scan# 6142
 Delta R.T. -0.01 min
 Lab File: BN008319.D
 Acq: 22 Oct 2019 17:46

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 92299
 Ion Ratio Lower Upper
 276 100
 138 20.4 16.1 24.1
 227 0.1 0.2 0.2#

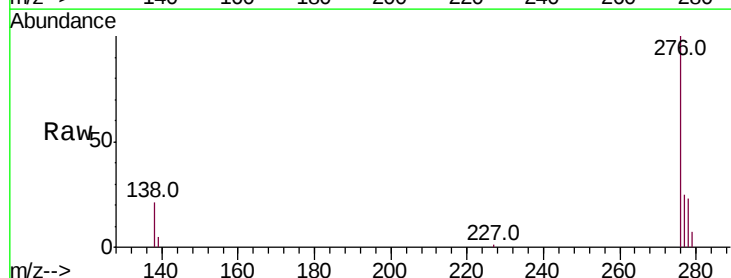


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

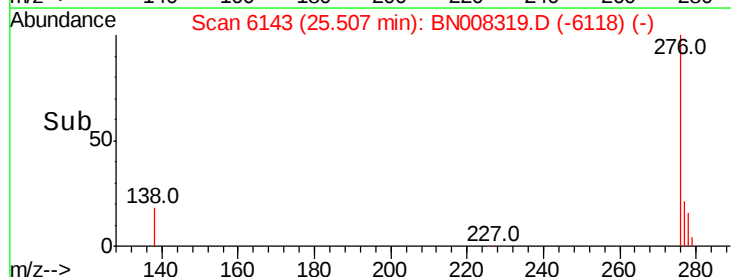
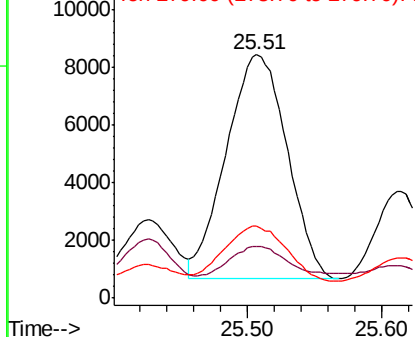


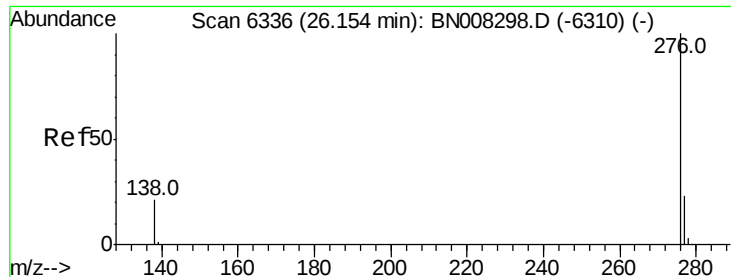
#25
 Dibenzo(a,h)anthracene
 Concen: 0.475 ng/ul
 RT: 25.51 min Scan# 6143
 Delta R.T. -0.02 min
 Lab File: BN008319.D
 Acq: 22 Oct 2019 17:46

Tgt Ion:278 Resp: 24418
 Ion Ratio Lower Upper
 278 100
 139 21.2 15.0 22.6
 279 29.4 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: 1.168 ng/ul

RT: 26.16 min Scan# 6339

Delta R.T. -0.00 min

Lab File: BN008319.D

Acq: 22 Oct 2019 17:46

Instrument :

BNA_N

ClientSampleId :

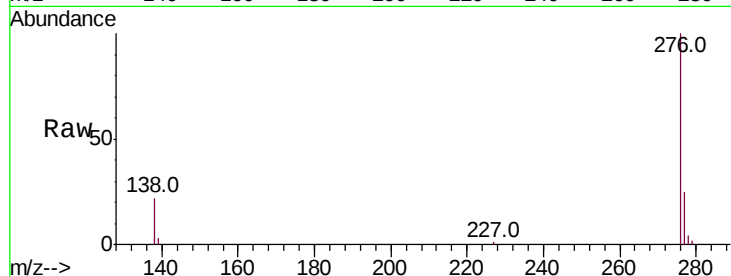
Tot Ion:276 Resp: 69675

Ion Ratio Lower Upper

276 100

138 21.9 17.0 25.4

277 24.6 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

