

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121919\
 Data File : BN009055.D
 Acq On : 20 Dec 2019 06:46
 Operator : JU
 Sample : K6171-11
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 20 07:16:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 19 15:54:16 2019
 Response via : Initial Calibration

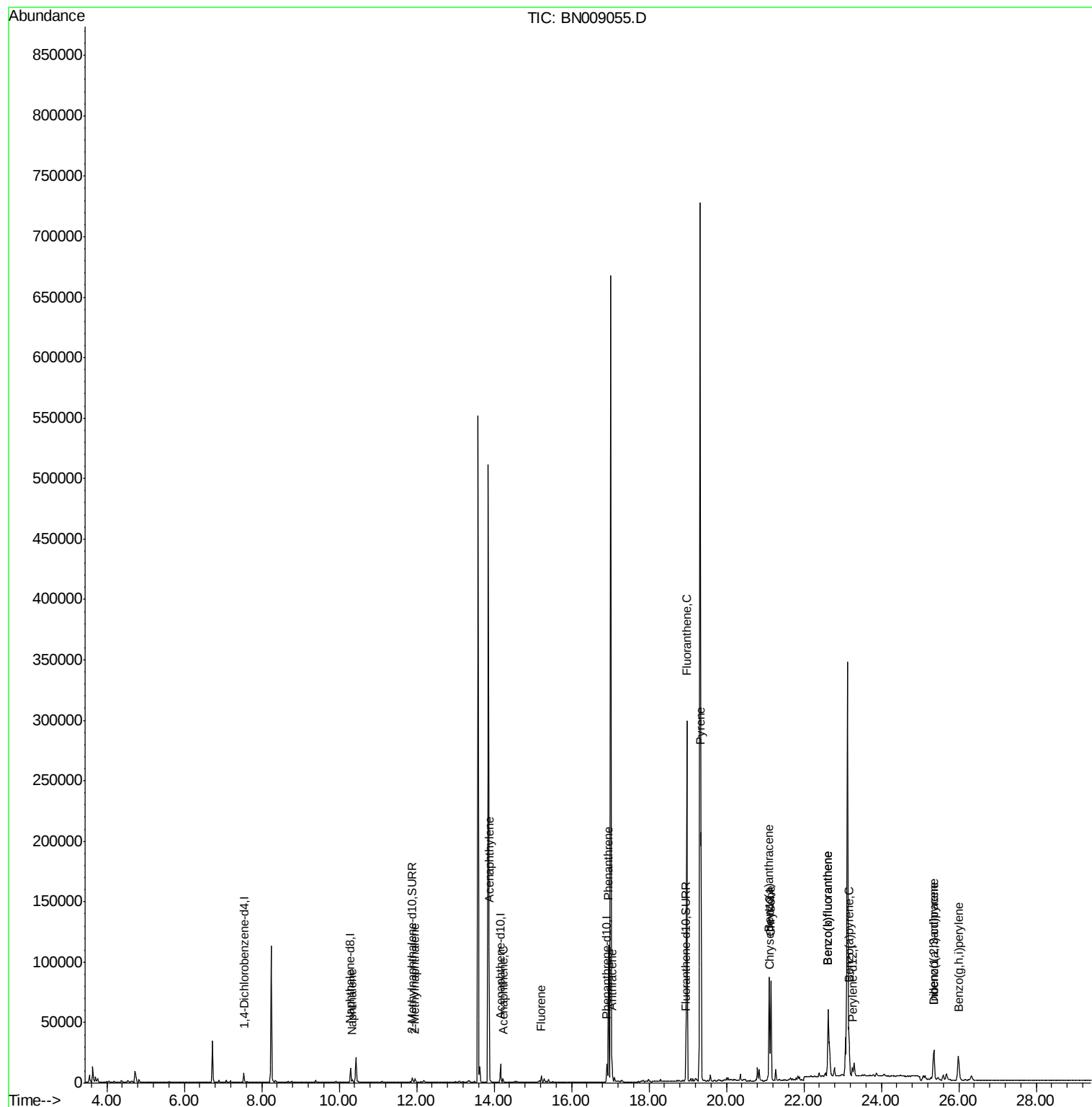
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	3591	0.40	ng/ul	0.00
2) Naphthalene-d8	10.29	136	14319	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.17	164	8147	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.92	188	16850	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	9705	0.40	ng/ul	0.00
20) Perylene-d12	23.26	264	8356	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.89	152	4273	0.17	ng/ul	0.00
14) Fluoranthene-d10	18.95	212	9352	0.19	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.34	128	2615	0.060	ng/ul#	93
5) 2-Methylnaphthalene	11.96	142	2058	0.063	ng/ul	95
7) Acenaphthylene	13.88	152	2156	0.050	ng/ul#	89
8) Acenaphthene	14.23	153	1918	0.057	ng/ul	98
9) Fluorene	15.22	166	3111	0.078	ng/ul#	98
12) Phenanthrene	16.95	178	112663	1.923	ng/ul	100
13) Anthracene	17.05	178	15025	0.286	ng/ul	99
15) Fluoranthene	18.98	202	249722	3.726	ng/ul	99
17) Pyrene	19.34	202	189648	3.830	ng/ul	99
18) Benzo(a)anthracene	21.10	228	69652	1.616	ng/ul	98
19) Chrysene	21.15	228	82646	1.908	ng/ul	97
21) Benzo(b)fluoranthene	22.63	252	113168	2.900	ng/ul	99
22) Benzo(k)fluoranthene	22.63	252	113168	2.877	ng/ul	98
23) Benzo(a)pyrene	23.17	252	50084	1.465	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.36	276	36836	0.989	ng/ul	91
25) Dibenzo(a,h)anthracene	25.36	278	8875	0.299	ng/ul#	76
26) Benzo(a,h,i)perylene	25.99	276	37094	1.183	ng/ul	99

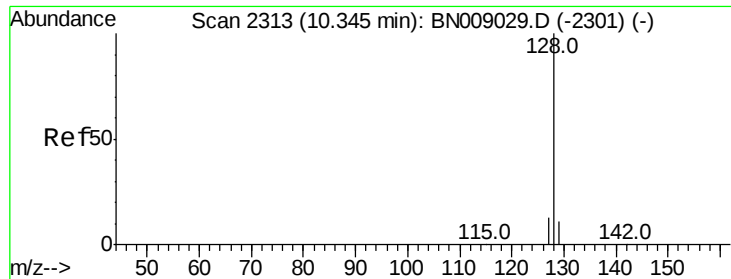
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 19 15:54:16 2019
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#3

Naphthalene

Concen: 0.060 ng/ul

RT: 10.34 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BN009055.D

Acq: 20 Dec 2019 06:46

Instrument :

BNA_N

ClientSampleId :

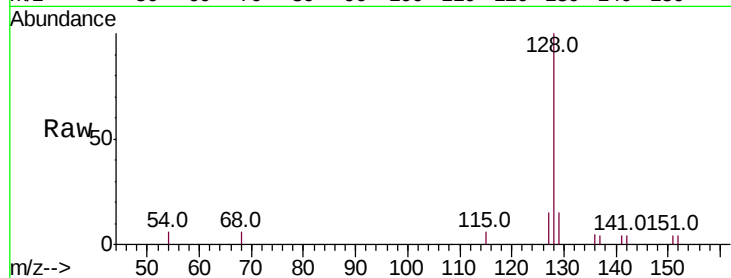
Tot Ion:128 Resp: 2615

Ion Ratio Lower Upper

128 100

129 14.7 9.0 13.4#

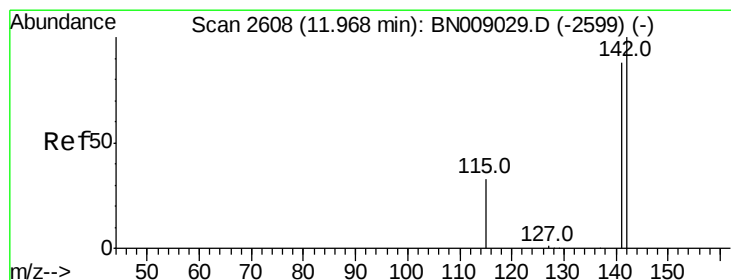
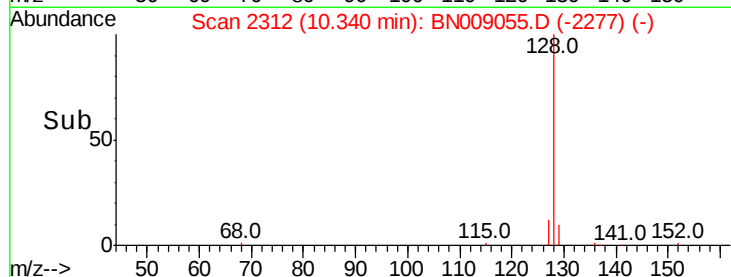
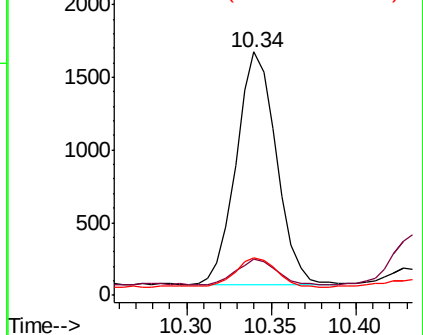
127 15.3 10.9 16.3



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: 0.063 ng/ul

RT: 11.96 min Scan# 2607

Delta R.T. -0.01 min

Lab File: BN009055.D

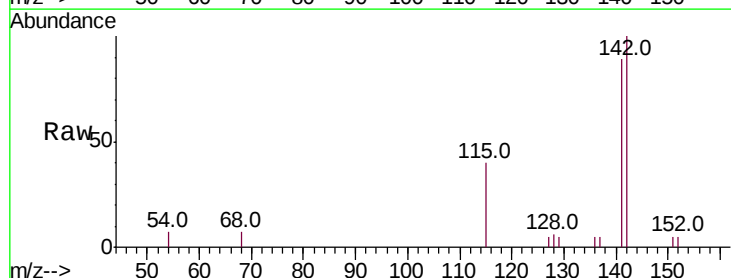
Acq: 20 Dec 2019 06:46

Tgt Ion:142 Resp: 2058

Ion Ratio Lower Upper

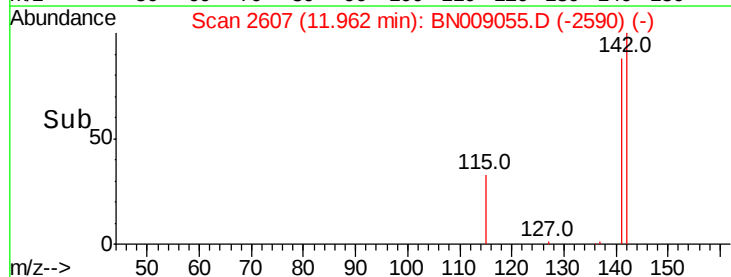
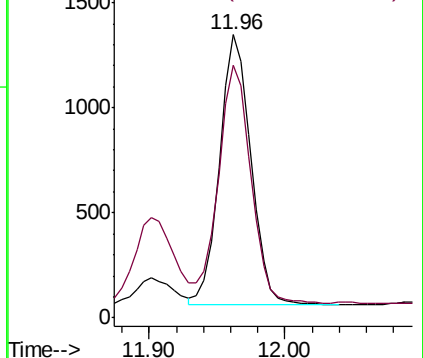
142 100

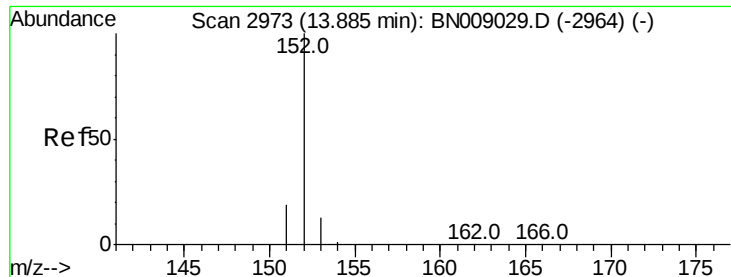
141 92.0 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.050 ng/ul

RT: 13.88 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BN009055.D

Acq: 20 Dec 2019 06:46

Instrument :

BNA_N

ClientSampleId :

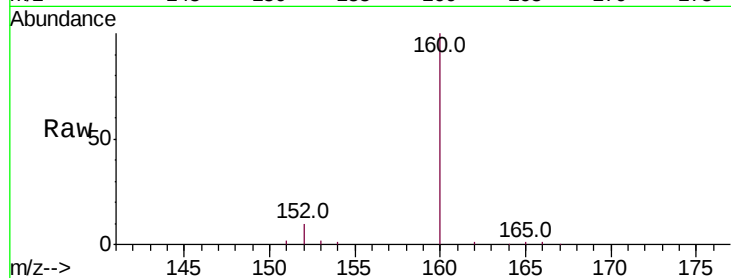
Tot Ion:152 Resp: 2156

Ion Ratio Lower Upper

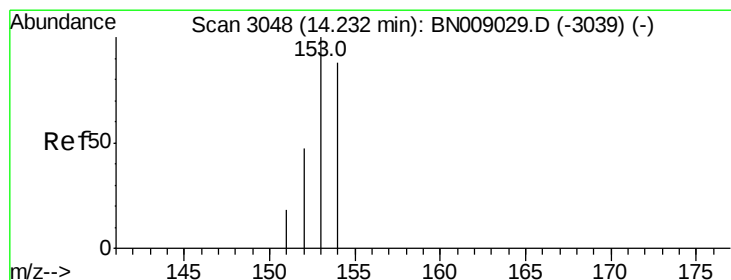
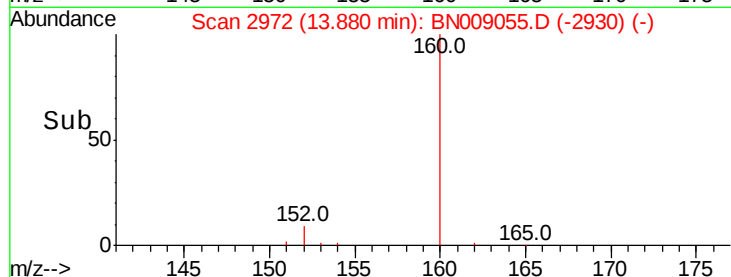
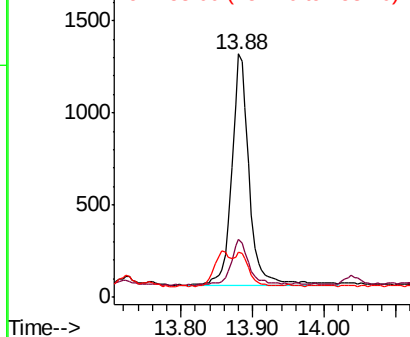
152 100

151 23.9 15.7 23.5#

153 18.6 10.8 16.2#



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: 0.057 ng/ul

RT: 14.23 min Scan# 3047

Delta R.T. -0.00 min

Lab File: BN009055.D

Acq: 20 Dec 2019 06:46

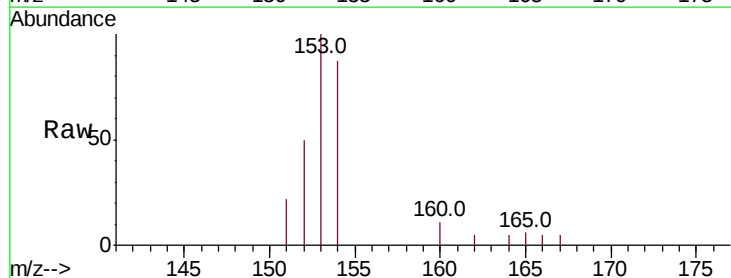
Tgt Ion:153 Resp: 1918

Ion Ratio Lower Upper

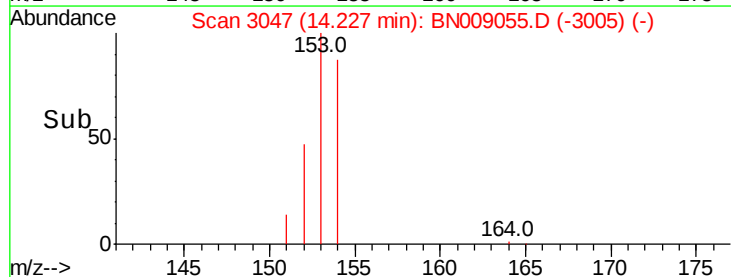
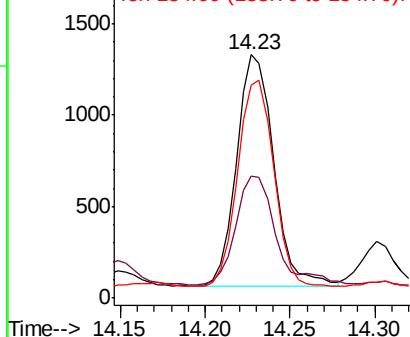
153 100

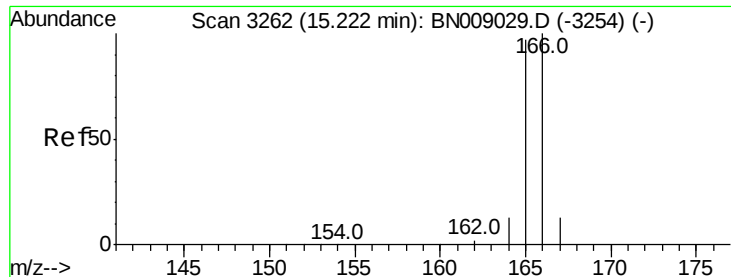
152 50.2 39.5 59.3

154 87.4 71.3 106.9



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

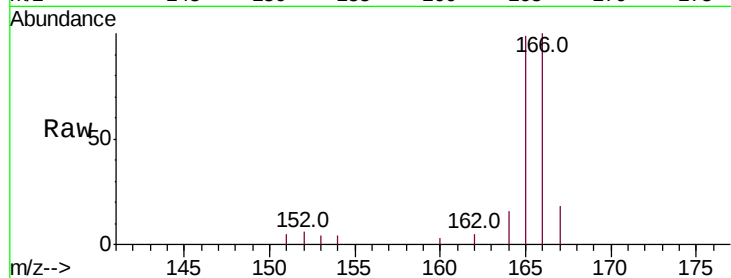




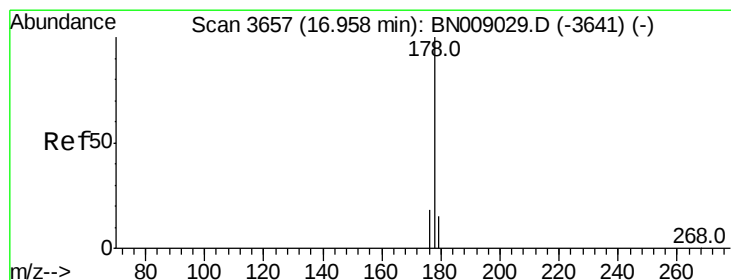
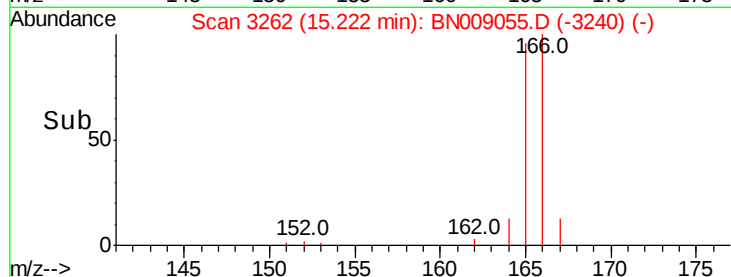
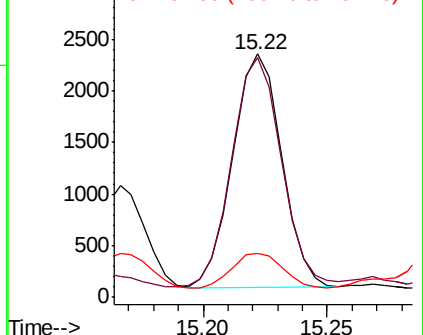
#9
Fluorene
 Concen: 0.078 ng/ul
 RT: 15.22 min Scan# 3262
 Delta R.T. 0.00 min
 Lab File: BN009055.D
 Acq: 20 Dec 2019 06:46

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:166 Resp: 3111
 Ion Ratio Lower Upper
 166 100
 165 98.5 78.2 117.4
 167 18.2 11.0 16.6#

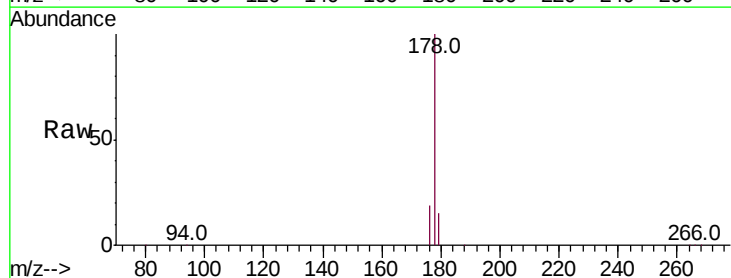


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

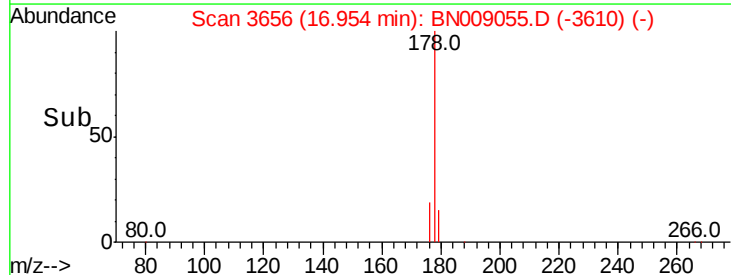
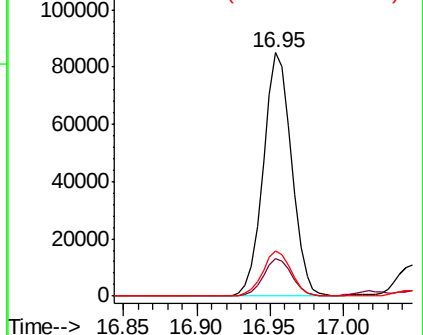


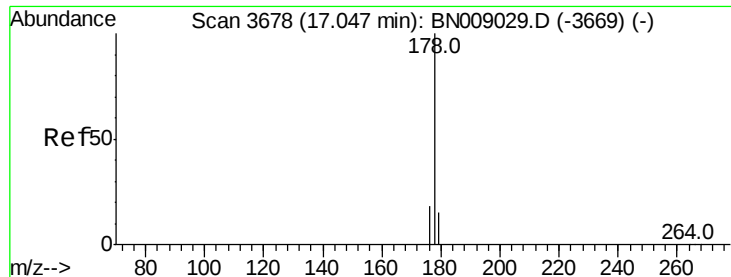
#12
Phenanthrene
 Concen: 1.923 ng/ul
 RT: 16.95 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: BN009055.D
 Acq: 20 Dec 2019 06:46

Tgt Ion:178 Resp: 112663
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.3 18.5
 176 18.7 15.1 22.7



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: 0.286 ng/ul

RT: 17.05 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BN009055.D

Acq: 20 Dec 2019 06:46

Instrument :

BNA_N

ClientSampleId :

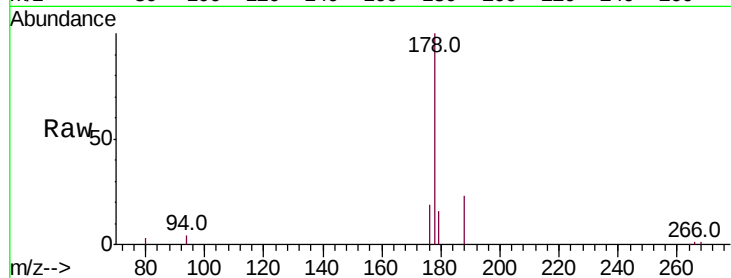
Tot Ion:178 Resp: 15025

Ion Ratio Lower Upper

178 100

179 16.4 12.5 18.7

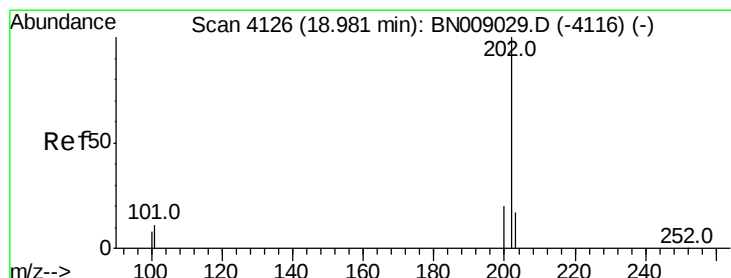
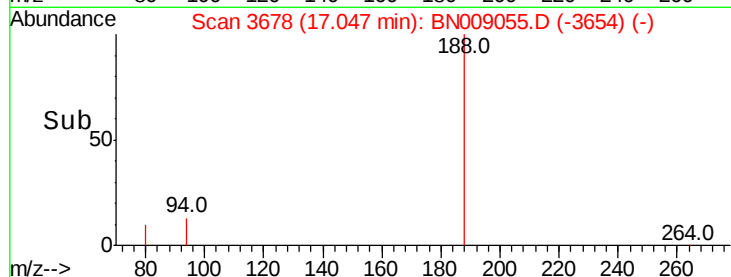
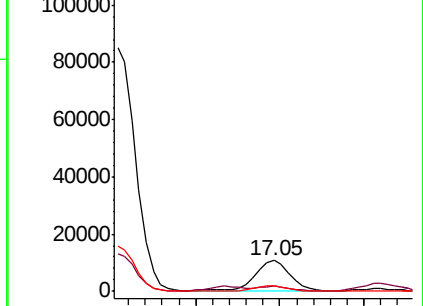
176 18.7 14.9 22.3



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: 3.726 ng/ul

RT: 18.98 min Scan# 4126

Delta R.T. 0.00 min

Lab File: BN009055.D

Acq: 20 Dec 2019 06:46

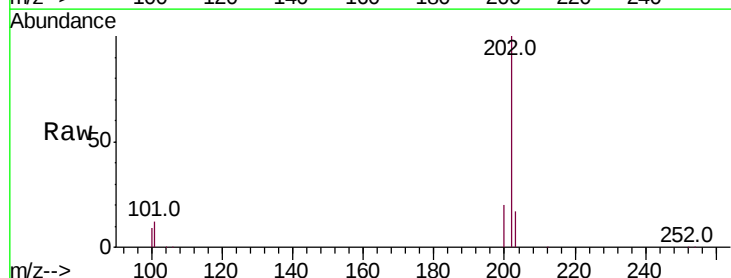
Tgt Ion:202 Resp: 249722

Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.5

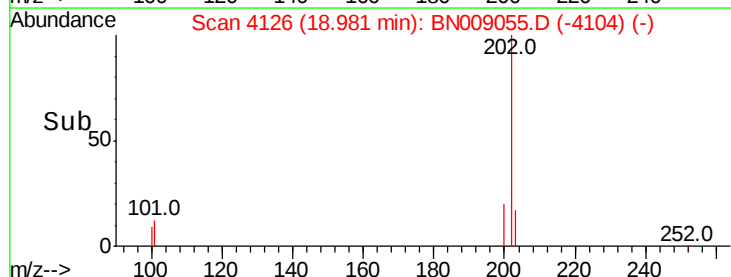
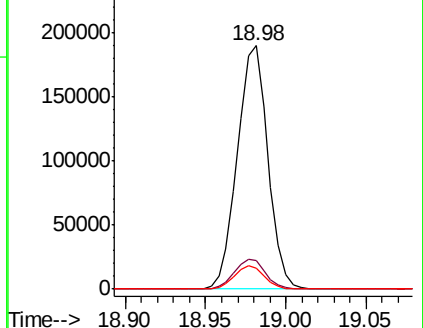
100 8.6 0.0 28.9

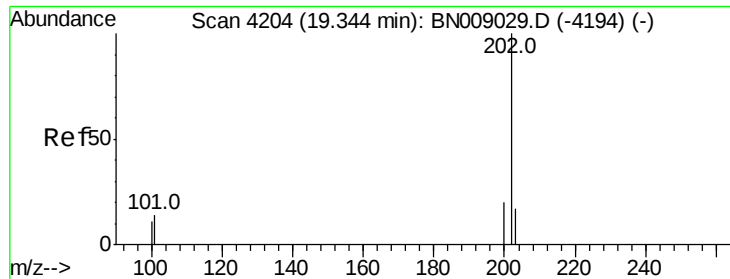


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

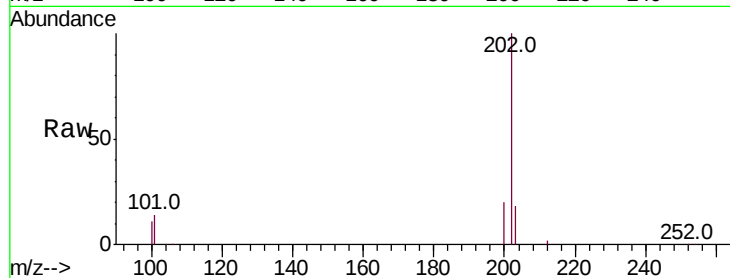




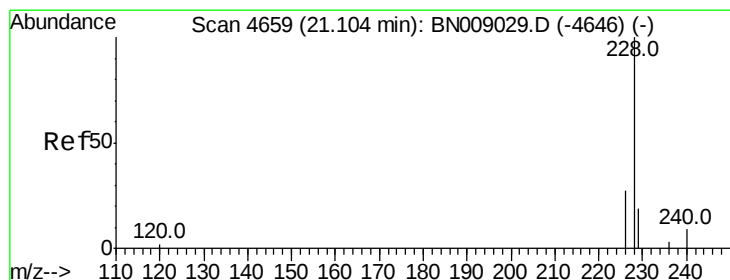
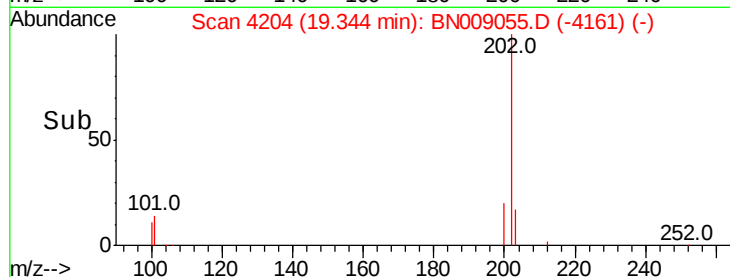
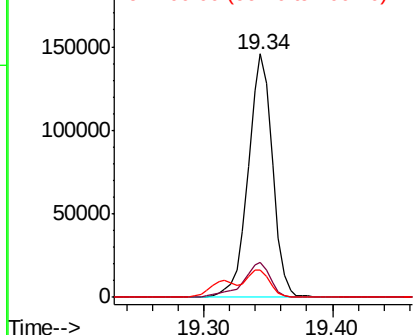
#17
Pvrene
Concen: 3.830 ng/ul
RT: 19.34 min Scan# 4204
Delta R.T. 0.00 min
Lab File: BN009055.D
Acq: 20 Dec 2019 06:46

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 189648
Ion Ratio Lower Upper
202 100
101 14.2 10.9 16.3
100 11.3 9.0 13.6

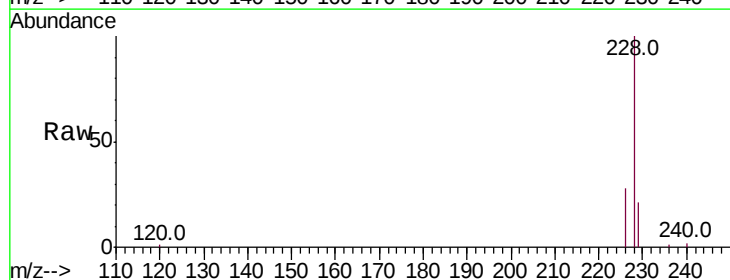


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

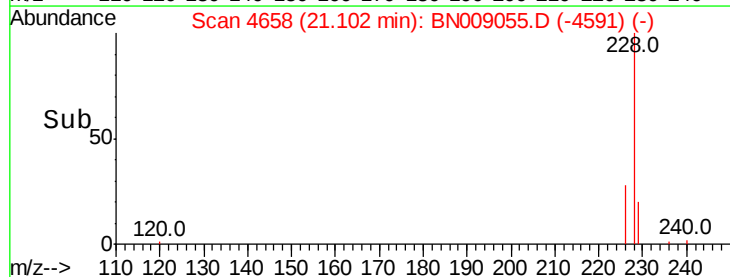
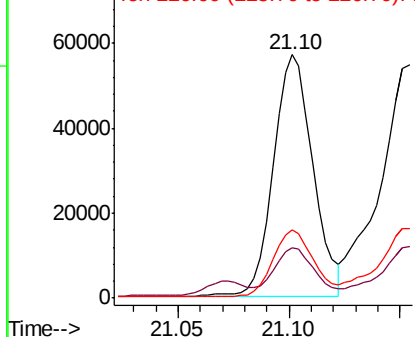


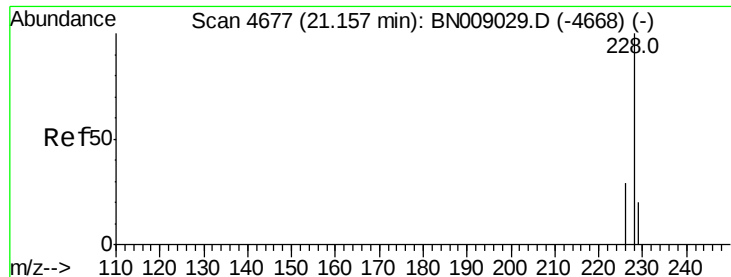
#18
Benzo(a)anthracene
Concen: 1.616 ng/ul
RT: 21.10 min Scan# 4658
Delta R.T. -0.00 min
Lab File: BN009055.D
Acq: 20 Dec 2019 06:46

Tgt Ion:228 Resp: 69652
Ion Ratio Lower Upper
228 100
229 20.9 15.5 23.3
226 28.0 21.7 32.5



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: 1.908 ng/ul

RT: 21.15 min Scan# 4676

Delta R.T. -0.00 min

Lab File: BN009055.D

Acq: 20 Dec 2019 06:46

Instrument :

BNA_N

ClientSampleId :

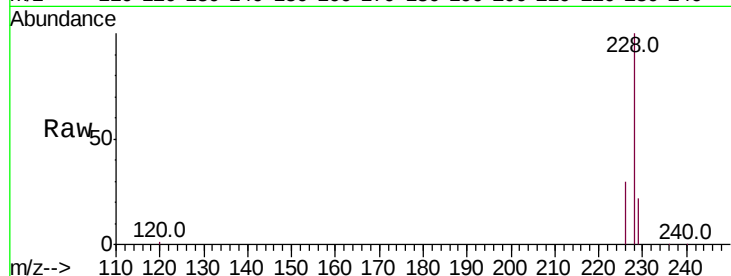
Tot Ion:228 Resp: 82646

Ion Ratio Lower Upper

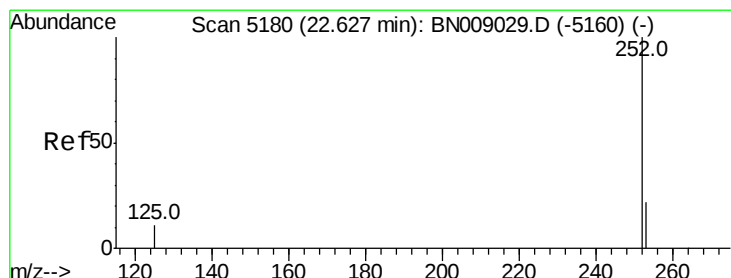
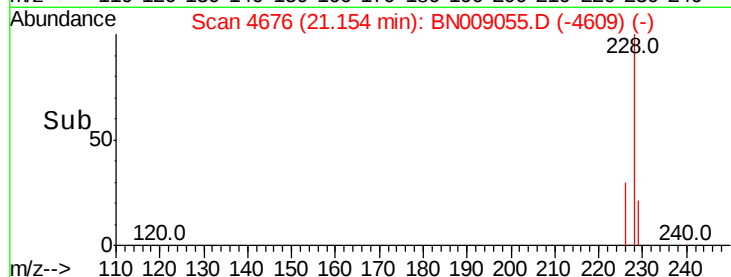
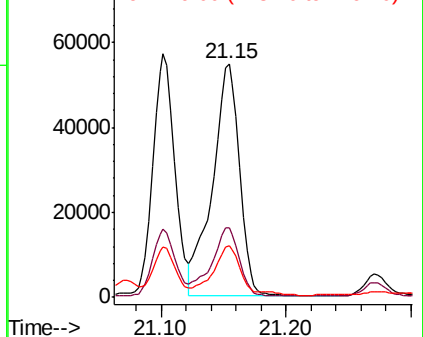
228 100

226 29.9 23.7 35.5

229 22.0 15.4 23.0



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: 2.900 ng/ul

RT: 22.63 min Scan# 5180

Delta R.T. 0.00 min

Lab File: BN009055.D

Acq: 20 Dec 2019 06:46

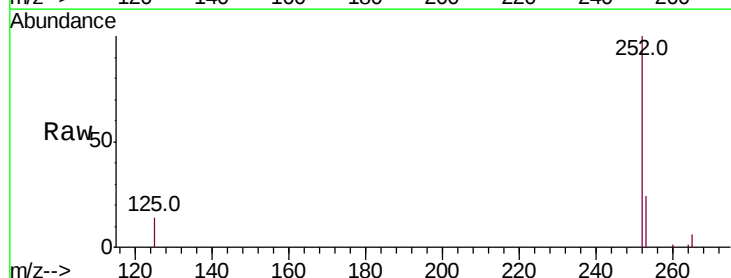
Tgt Ion:252 Resp: 113168

Ion Ratio Lower Upper

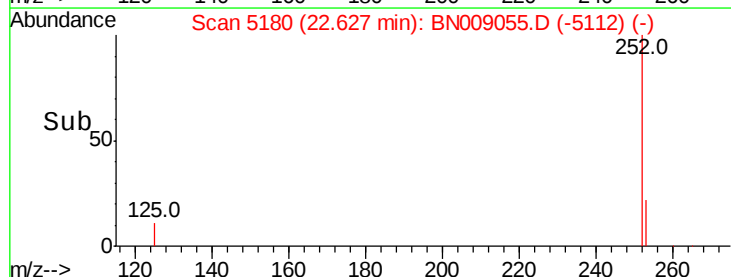
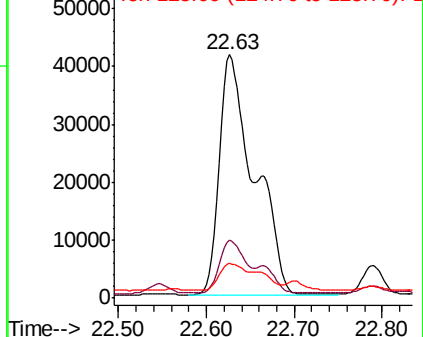
252 100

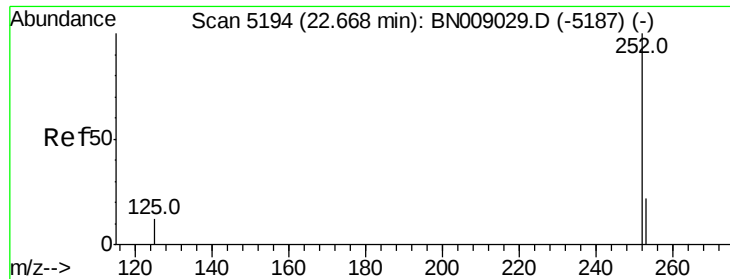
253 23.8 0.0 48.2

125 14.3 0.0 30.0



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: 2.877 ng/ul

RT: 22.63 min Scan# 5180

Delta R.T. -0.04 min

Lab File: BN009055.D

Acq: 20 Dec 2019 06:46

Instrument :

BNA_N

ClientSampleId :

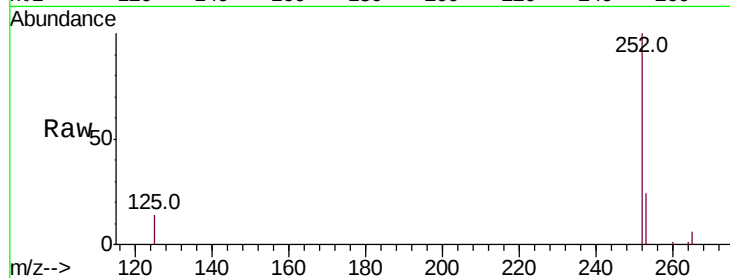
Tot Ion:252 Resp: 113168

Ion Ratio Lower Upper

252 100

253 23.8 19.4 29.0

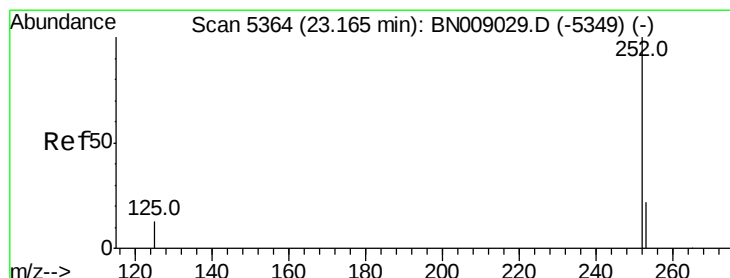
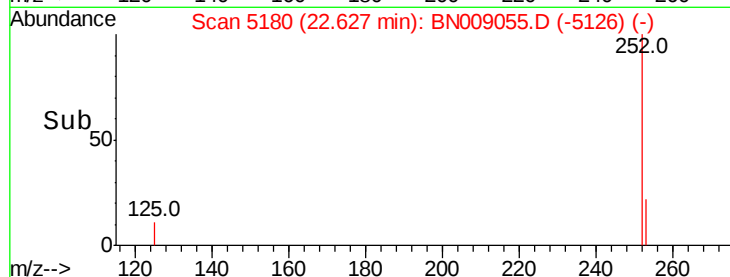
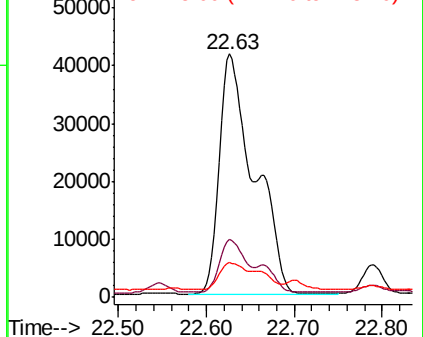
125 14.3 12.4 18.6



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



#23

Benzo(a)pyrene

Concen: 1.465 ng/ul

RT: 23.17 min Scan# 5365

Delta R.T. 0.00 min

Lab File: BN009055.D

Acq: 20 Dec 2019 06:46

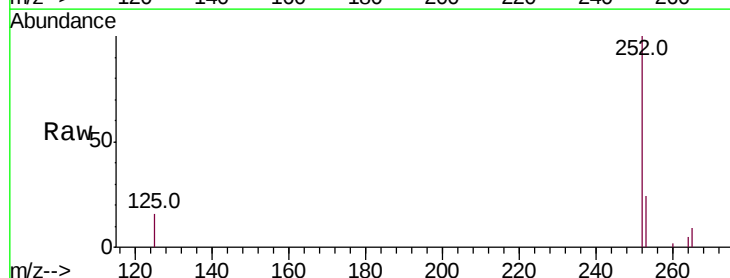
Tgt Ion:252 Resp: 50084

Ion Ratio Lower Upper

252 100

253 24.4 20.2 30.4

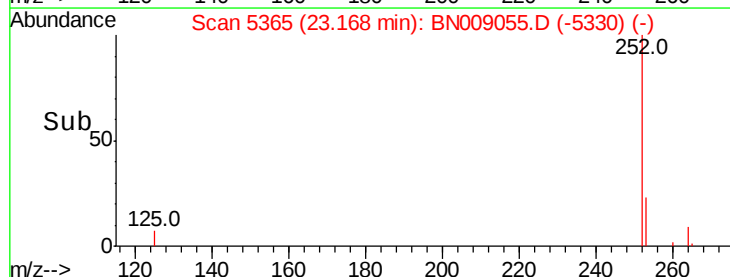
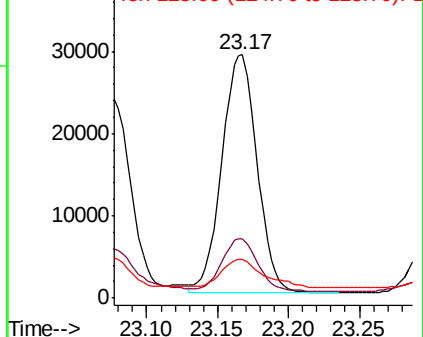
125 15.9 13.2 19.8

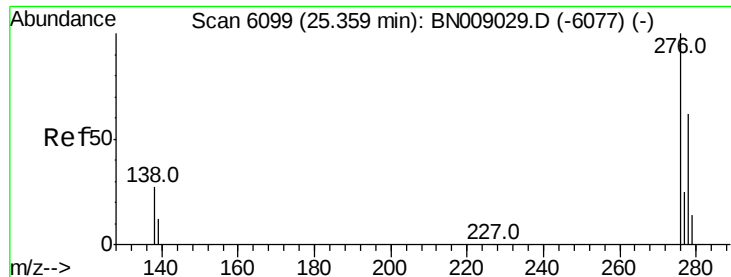


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



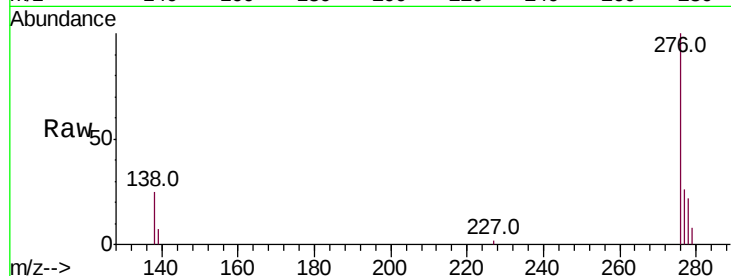


#24

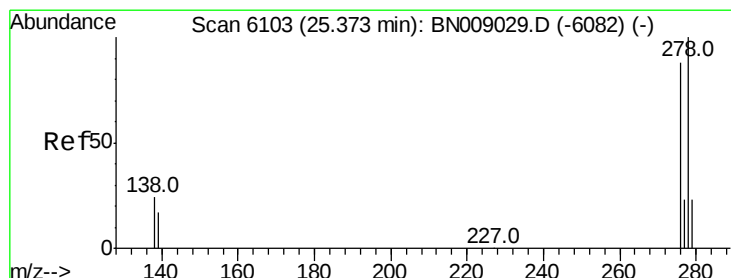
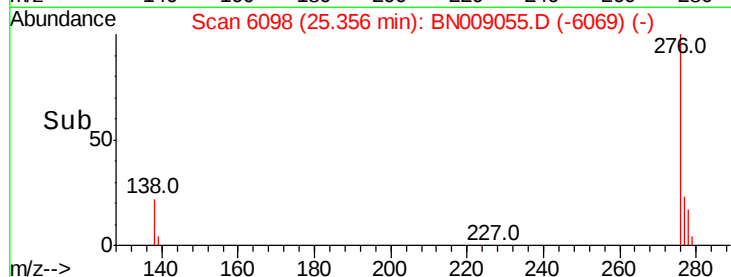
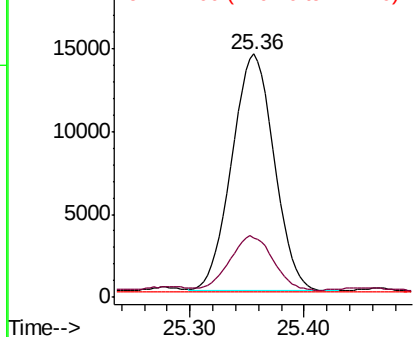
Indeno(1,2,3-cd)pyrene
Concen: 0.989 ng/ul
RT: 25.36 min Scan# 6098
Delta R.T. -0.00 min
Lab File: BN009055.D
Acq: 20 Dec 2019 06:46

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 36836
Ion Ratio Lower Upper
276 100
138 23.2 22.4 33.6
227 0.3 0.2 0.4



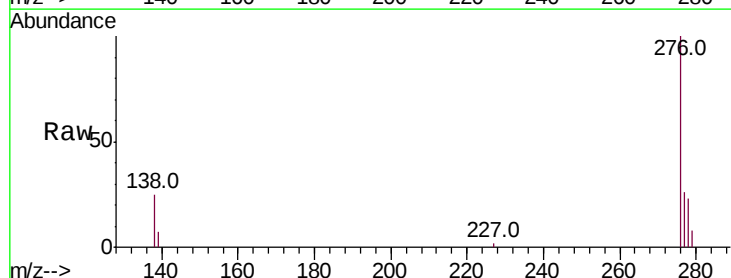
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



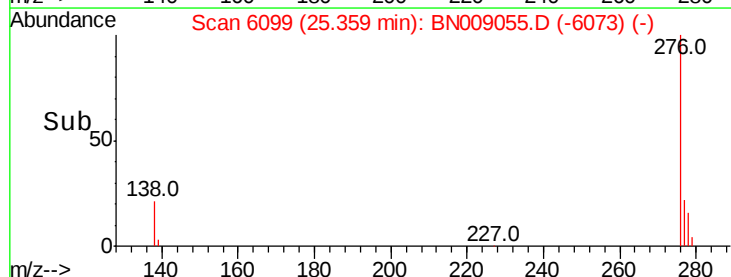
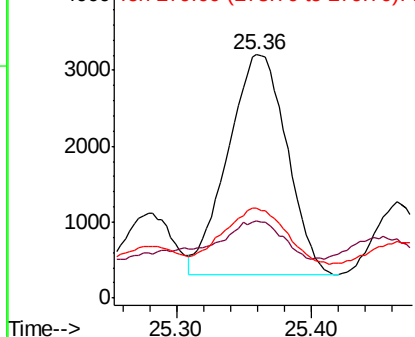
#25

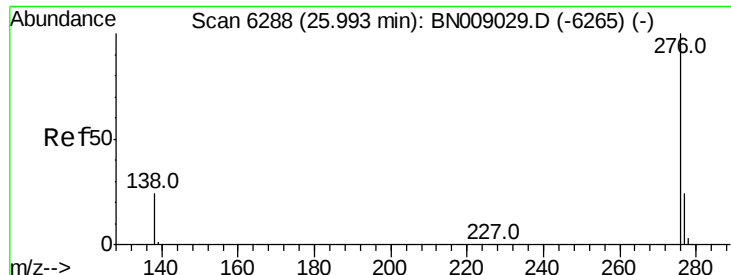
Dibenzo(a,h)anthracene
Concen: 0.299 ng/ul
RT: 25.36 min Scan# 6099
Delta R.T. -0.01 min
Lab File: BN009055.D
Acq: 20 Dec 2019 06:46

Tgt Ion:278 Resp: 8875
Ion Ratio Lower Upper
278 100
139 31.8 16.2 24.2#
279 36.8 20.3 30.5#



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: 1.183 ng/ul

RT: 25.99 min Scan# 6288

Delta R.T. 0.00 min

Lab File: BN009055.D

Acq: 20 Dec 2019 06:46

Instrument :

BNA_N

ClientSampleId :

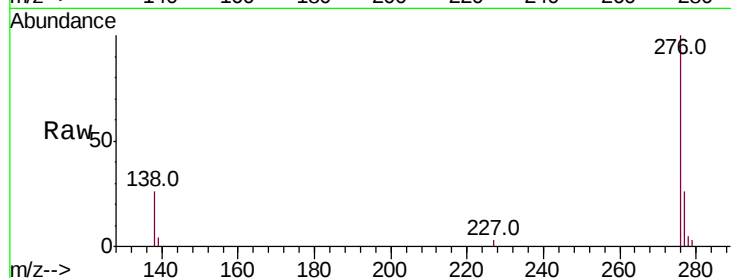
Tot Ion:276 Resp: 37094

Ion Ratio Lower Upper

276 100

138 25.7 20.6 30.8

277 25.6 19.6 29.4



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

