

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120219\
 Data File : BN008820.D
 Acq On : 02 Dec 2019 18:29
 Operator : JU
 Sample : K5851-10DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 03 00:14:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 02 12:46:36 2019
 Response via : Initial Calibration

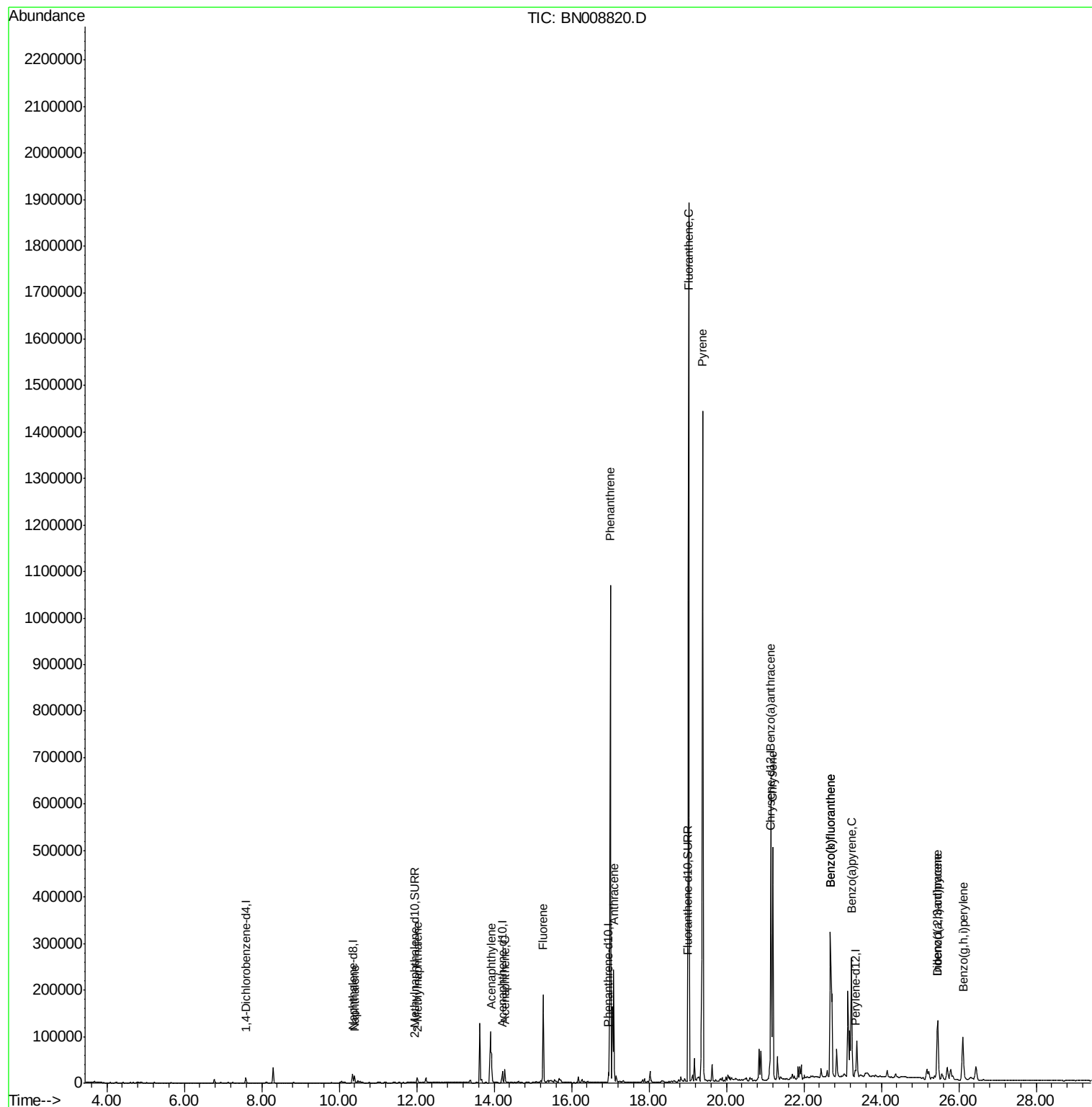
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	5473	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	22285	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	12545	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	25236	0.40	ng/ul	0.00
16) Chrysene-d12	21.16	240	16976	0.40	ng/ul	0.00
20) Perylene-d12	23.33	264	16187	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.94	152	959	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	2143	0.03	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.39	128	18967	0.282	ng/ul	100
5) 2-Methylnaphthalene	12.02	142	8279	0.176	ng/ul	99
7) Acenaphthylene	13.93	152	72284	1.042	ng/ul	99
8) Acenaphthene	14.27	153	17354	0.337	ng/ul	100
9) Fluorene	15.27	166	110779	1.833	ng/ul	99
12) Phenanthrene	17.00	178	1101292	12.940	ng/ul	99
13) Anthracene	17.09	178	246168	3.061	ng/ul	100
15) Fluoranthene	19.02	202	1574184	15.055	ng/ul	99
17) Pyrene	19.39	202	1182980	17.370	ng/ul	99
18) Benzo(a)anthracene	21.15	228	514233	7.532	ng/ul	97
19) Chrysene	21.20	228	465580	6.943	ng/ul	97
21) Benzo(b)fluoranthene	22.69	252	669884	10.036	ng/ul	96
22) Benzo(k)fluoranthene	22.69	252	669884	10.119	ng/ul#	95
23) Benzo(a)pyrene	23.23	252	339542	5.419	ng/ul#	94
24) Indeno(1,2,3-cd)pyrene	25.45	276	193343	2.639	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.46	278	47431	0.801	ng/ul#	90
26) Benzo(a,h,i)perylene	26.11	276	180558	2.946	ng/ul	98

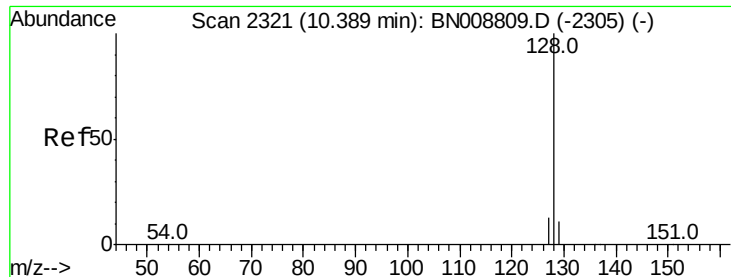
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_N
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Quant Time: Dec 03 00:14:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN11519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 02 12:46:36 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.282 ng/ul

RT: 10.39 min Scan# 2322

Delta R.T. 0.01 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

Instrument :

BNA_N

ClientSampleId :

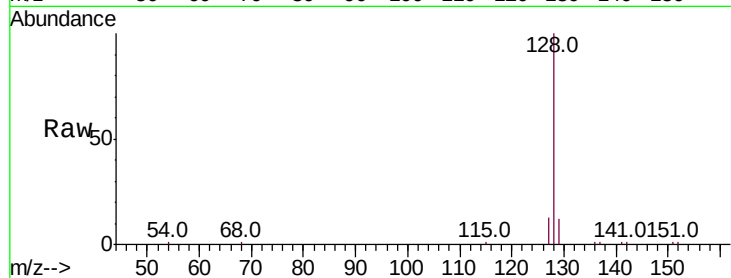
Tot Ion:128 Resp: 18967

Ion Ratio Lower Upper

128 100

129 11.6 9.1 13.7

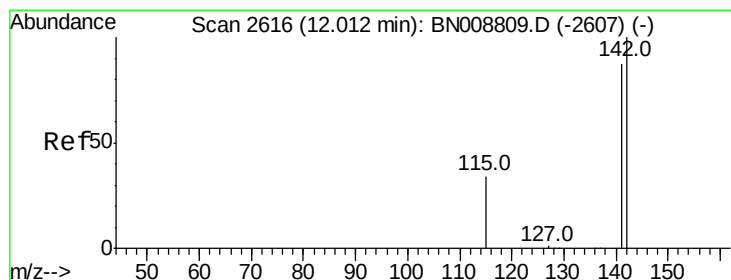
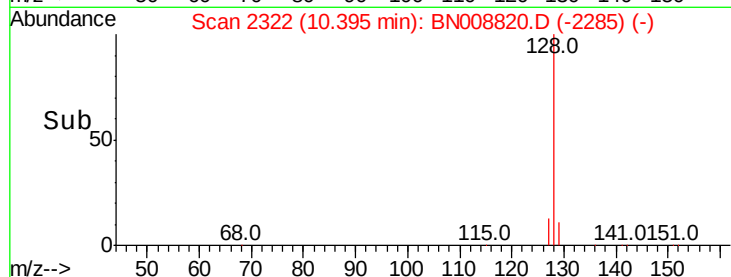
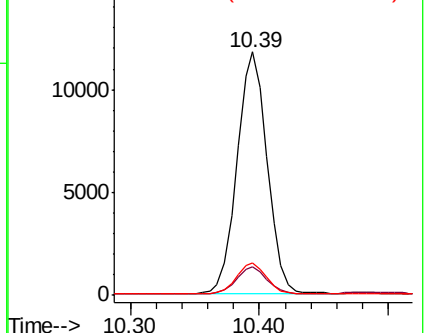
127 13.2 10.7 16.1



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: 0.176 ng/ul

RT: 12.02 min Scan# 2617

Delta R.T. 0.01 min

Lab File: BN008820.D

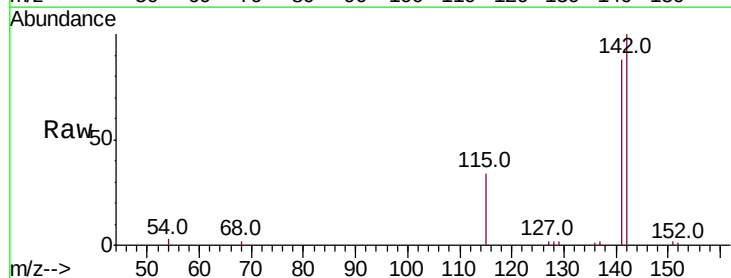
Acq: 02 Dec 2019 18:29

Tgt Ion:142 Resp: 8279

Ion Ratio Lower Upper

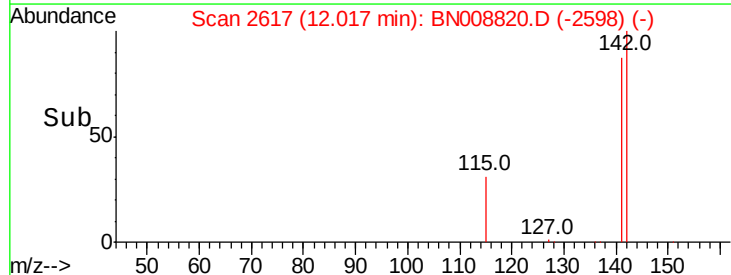
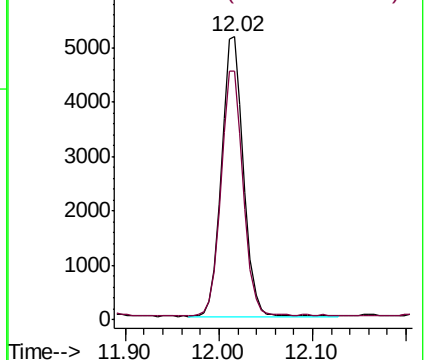
142 100

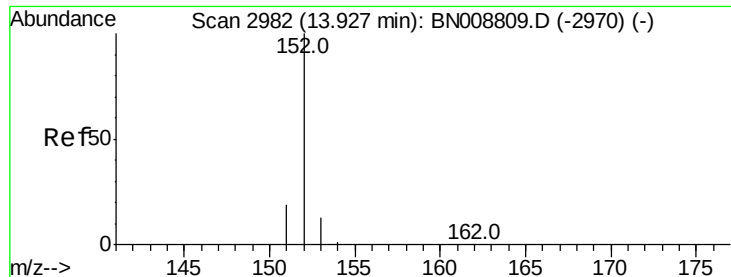
141 88.3 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.042 ng/ul

RT: 13.93 min Scan# 2983

Delta R.T. 0.00 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

Instrument :

BNA_N

ClientSampleId :

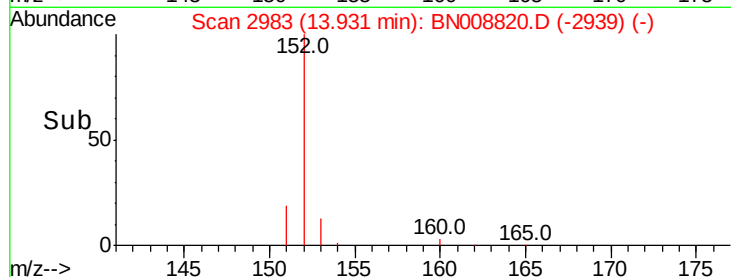
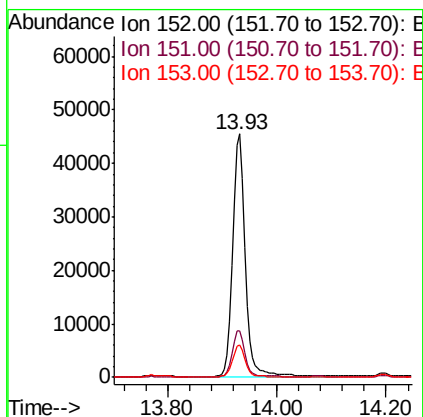
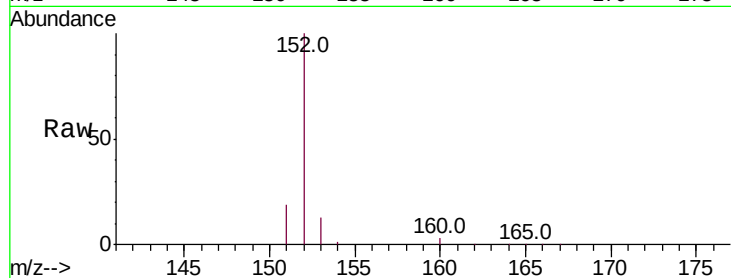
Tot Ion:152 Resp: 72284

Ion Ratio Lower Upper

152 100

151 19.3 15.8 23.6

153 13.4 10.6 15.8



#8

Acenaphthene

Concen: 0.337 ng/ul

RT: 14.27 min Scan# 3057

Delta R.T. 0.00 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

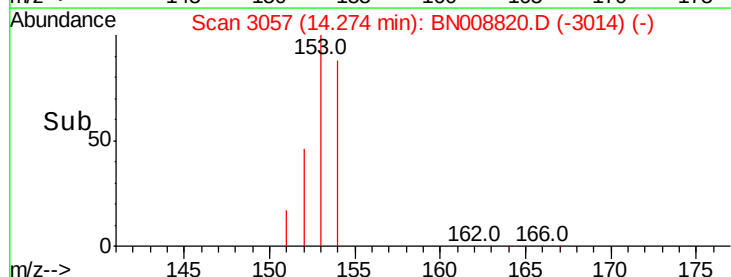
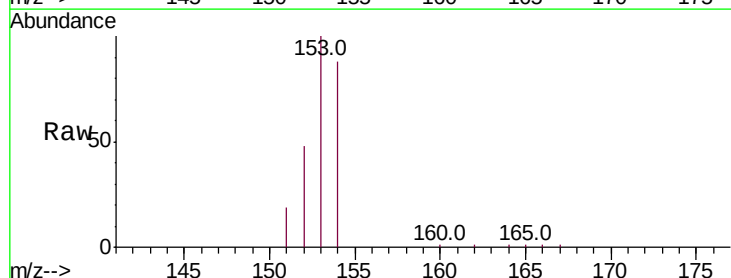
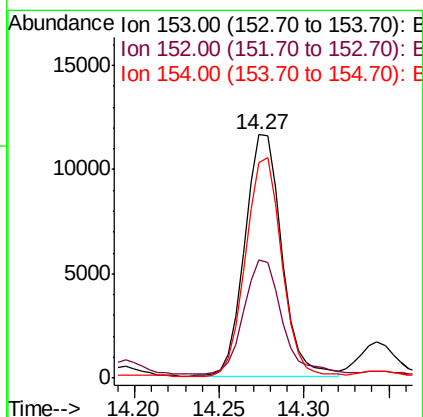
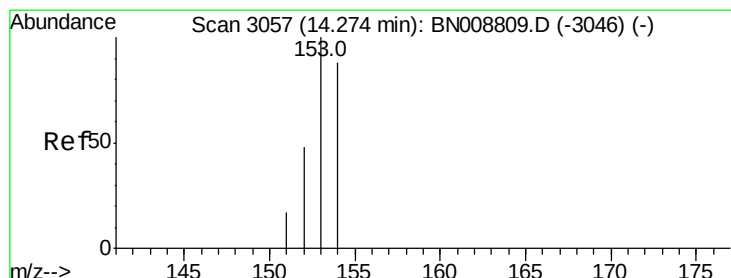
Tgt Ion:153 Resp: 17354

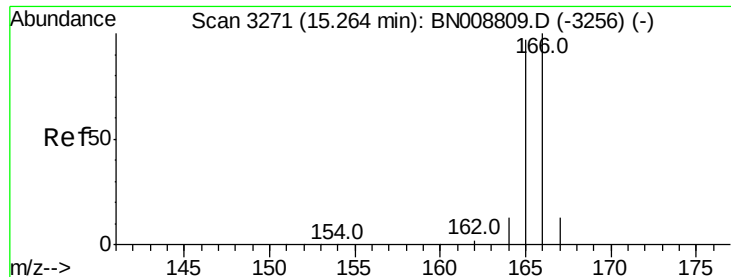
Ion Ratio Lower Upper

153 100

152 48.4 38.6 58.0

154 88.3 70.6 105.8





#9

Fluorene

Concen: 1.833 ng/ul

RT: 15.27 min Scan# 3272

Delta R.T. 0.00 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

Instrument :

BNA_N

ClientSampleId :

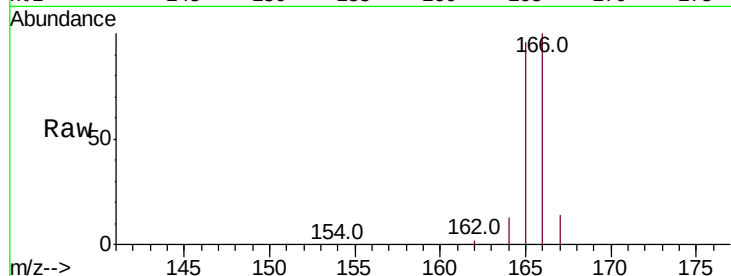
Tot Ion:166 Resp: 110779

Ion Ratio Lower Upper

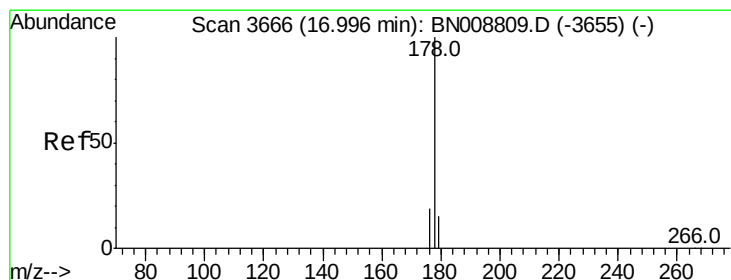
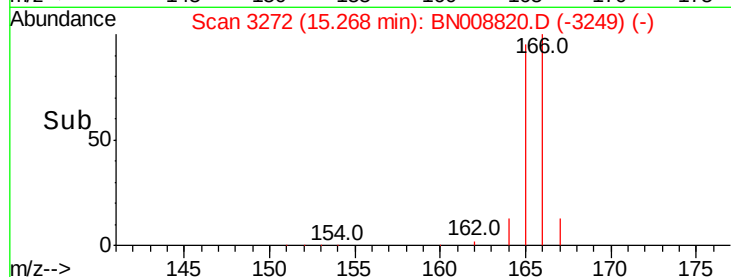
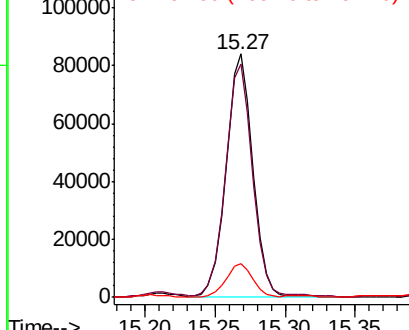
166 100

165 95.7 77.7 116.5

167 13.8 11.1 16.7



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: 12.940 ng/ul

RT: 17.00 min Scan# 3667

Delta R.T. 0.00 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

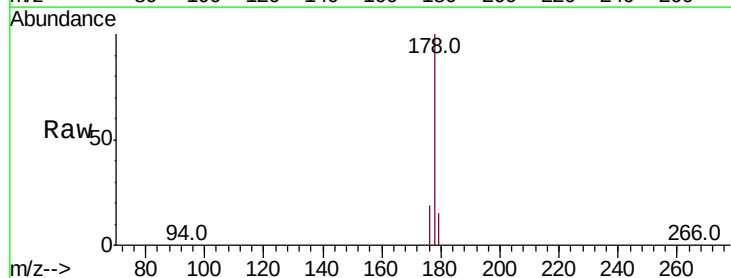
Tgt Ion:178 Resp: 1101292

Ion Ratio Lower Upper

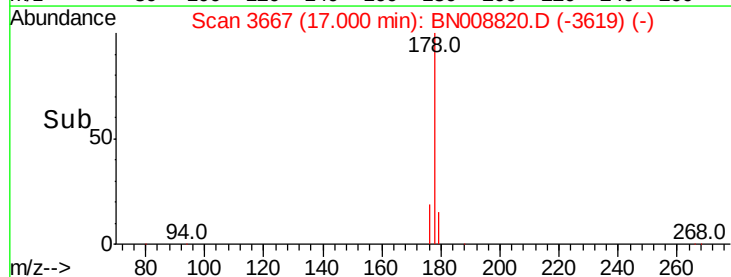
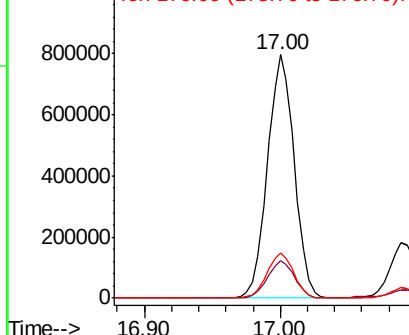
178 100

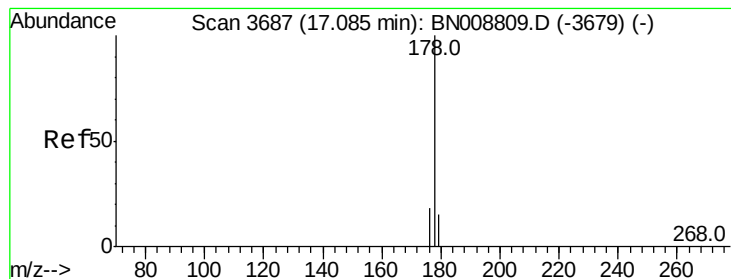
179 15.4 12.6 18.8

176 18.7 15.3 22.9



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: 3.061 ng/ul

RT: 17.09 min Scan# 3688

Delta R.T. 0.00 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

Instrument :

BNA_N

ClientSampleId :

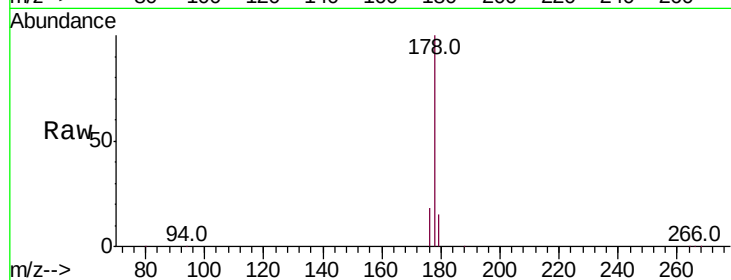
Tot Ion:178 Resp: 246168

Ion Ratio Lower Upper

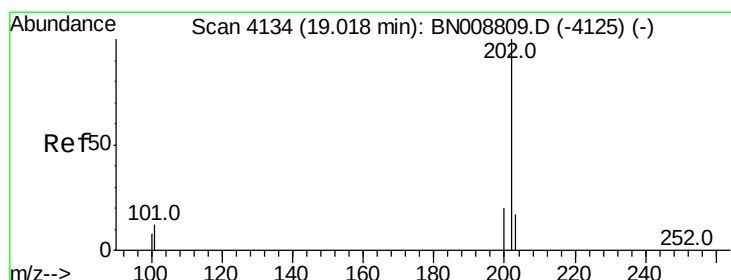
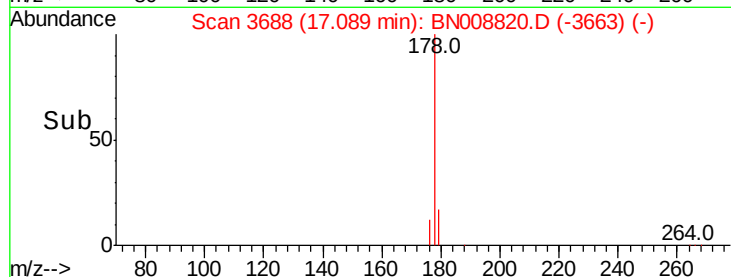
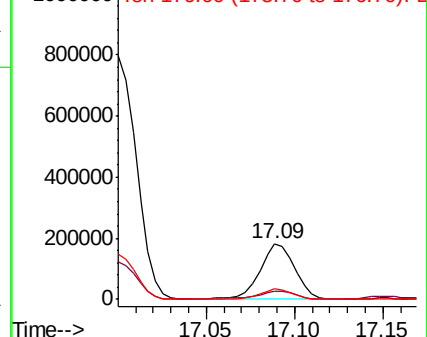
178 100

179 15.5 12.2 18.4

176 18.2 14.7 22.1



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: 15.055 ng/ul

RT: 19.02 min Scan# 4135

Delta R.T. 0.00 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

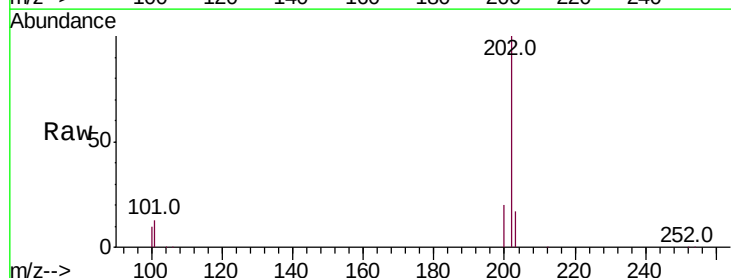
Tgt Ion:202 Resp: 1574184

Ion Ratio Lower Upper

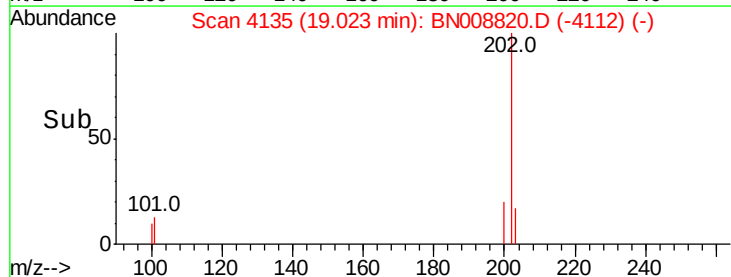
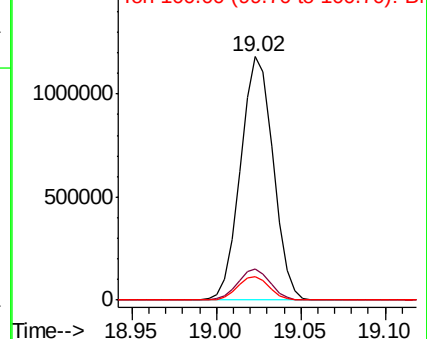
202 100

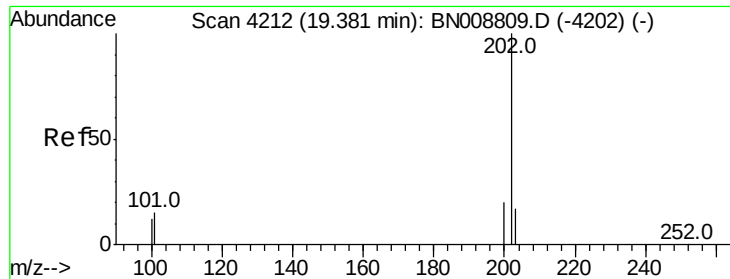
101 12.8 0.0 32.4

100 9.8 0.0 29.2



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

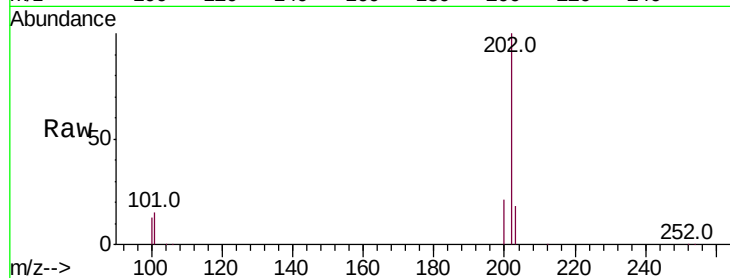




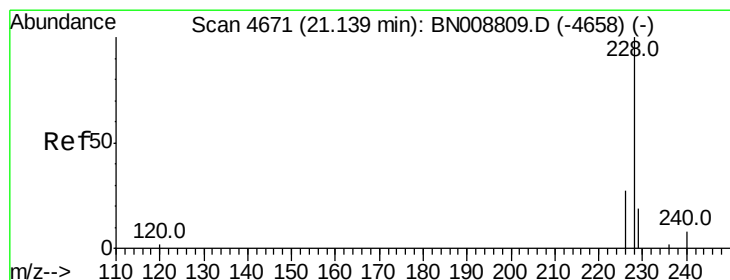
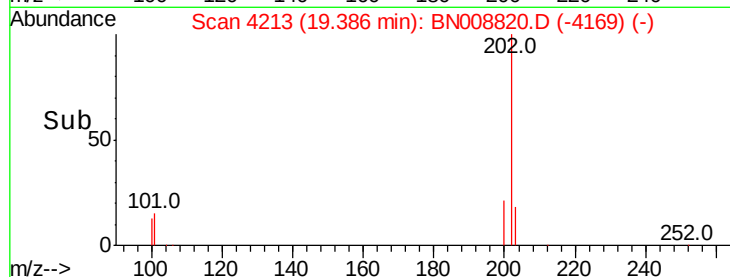
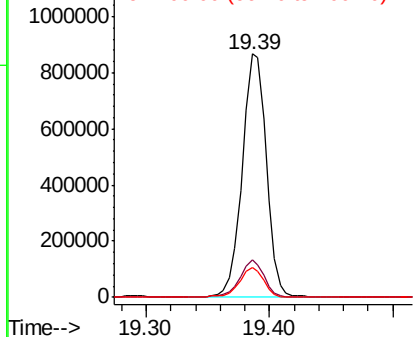
#17
 Pvrene
 Concen: 17.370 ng/ul
 RT: 19.39 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: BN008820.D
 Acq: 02 Dec 2019 18:29

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:202 Resp: 1182980
 Ion Ratio Lower Upper
 202 100
 101 15.3 12.2 18.4
 100 12.5 9.5 14.3

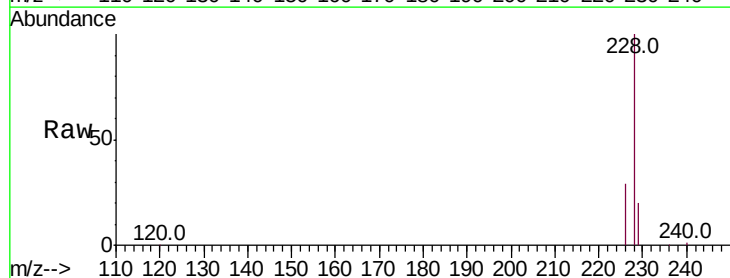


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

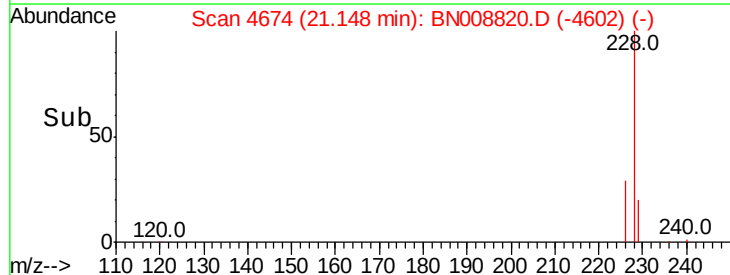
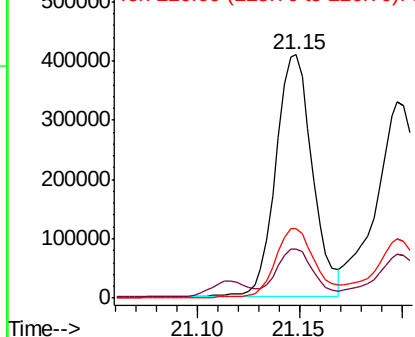


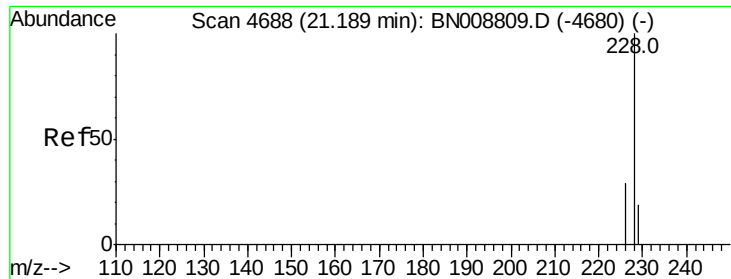
#18
 Benzo(a)anthracene
 Concen: 7.532 ng/ul
 RT: 21.15 min Scan# 4674
 Delta R.T. 0.01 min
 Lab File: BN008820.D
 Acq: 02 Dec 2019 18:29

Tgt Ion:228 Resp: 514233
 Ion Ratio Lower Upper
 228 100
 229 20.3 15.7 23.5
 226 28.8 21.5 32.3



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: 6.943 ng/ul

RT: 21.20 min Scan# 4691

Delta R.T. 0.01 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

Instrument :

BNA_N

ClientSampleId :

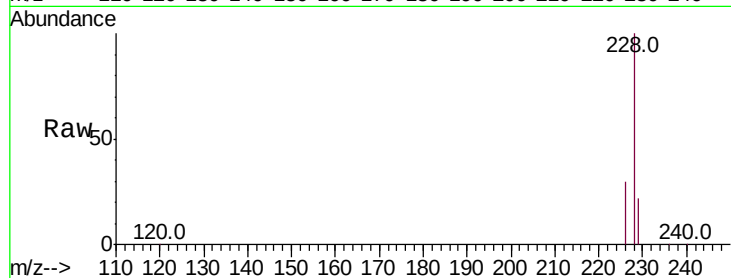
Tot Ion:228 Resp: 465580

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.6

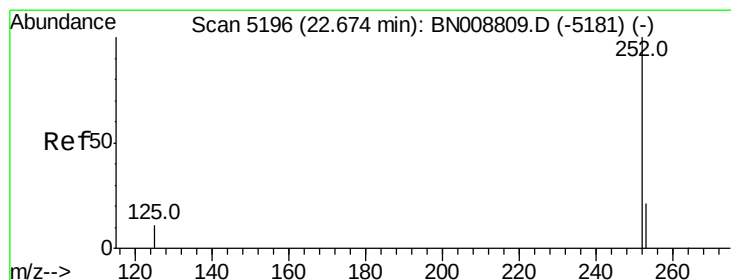
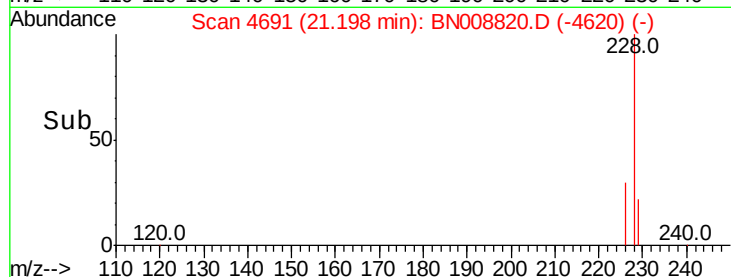
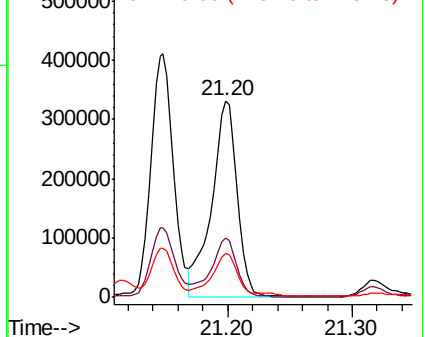
229 22.3 15.6 23.4



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: 10.036 ng/ul

RT: 22.69 min Scan# 5201

Delta R.T. 0.01 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

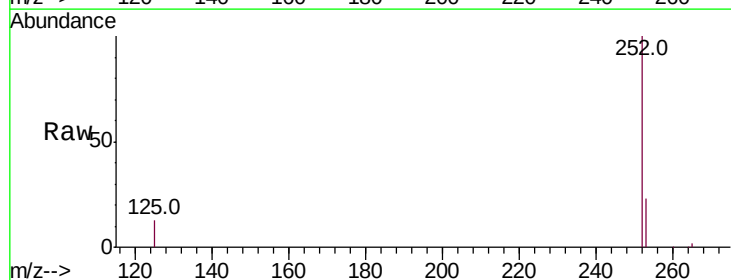
Tgt Ion:252 Resp: 669884

Ion Ratio Lower Upper

252 100

253 23.1 0.0 48.6

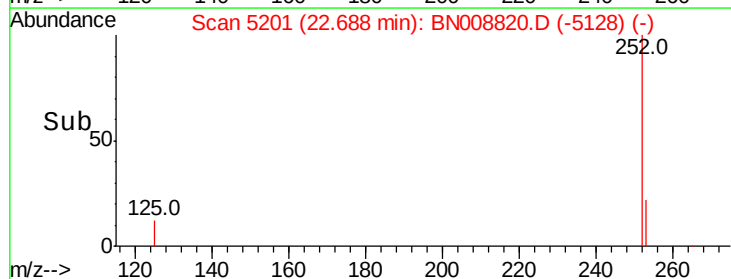
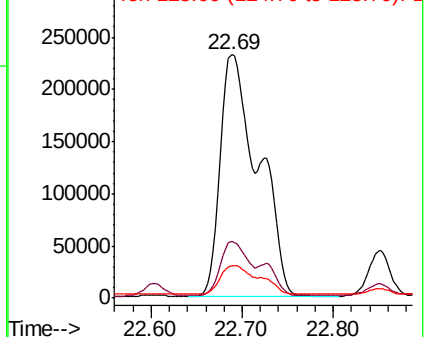
125 13.3 0.0 31.6

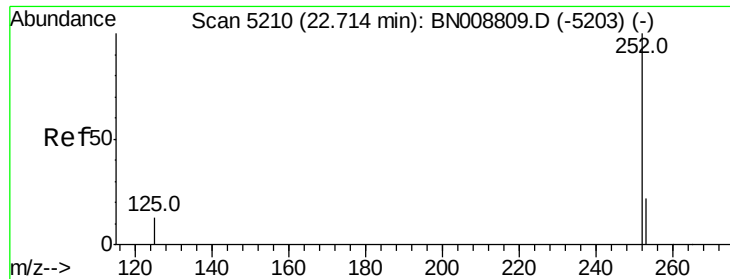


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

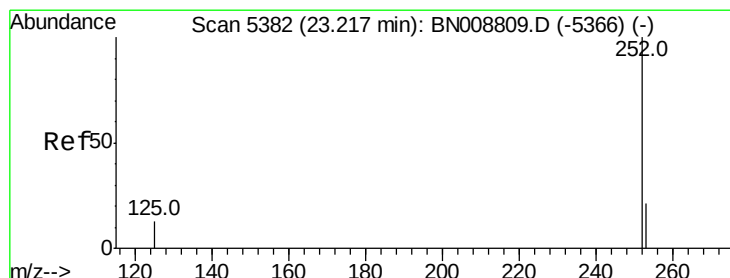
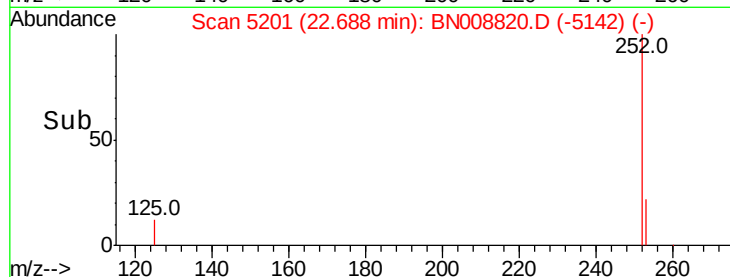
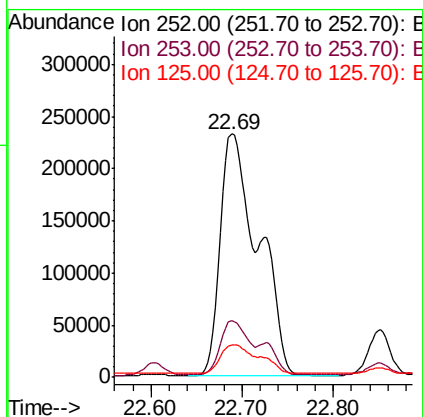
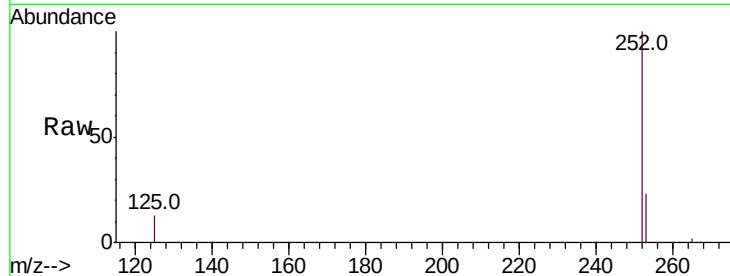




#22
Benzo(k)fluoranthene
Concen: 10.119 ng/ul
RT: 22.69 min Scan# 5201
Delta R.T. -0.03 min
Lab File: BN008820.D
Acq: 02 Dec 2019 18:29

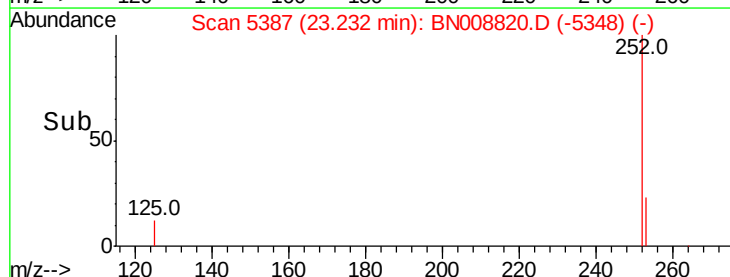
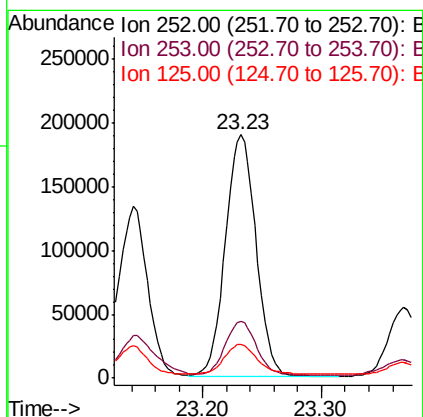
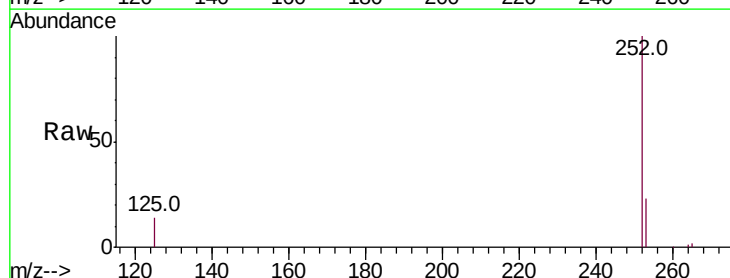
Instrument :
BNA_N
ClientSampleId :

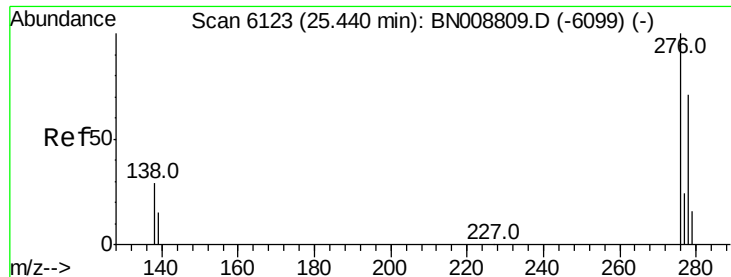
Tot Ion:252 Resp: 669884
Ion Ratio Lower Upper
252 100
253 23.1 19.6 29.4
125 13.3 13.8 20.6#



#23
Benzo(a)pyrene
Concen: 5.419 ng/ul
RT: 23.23 min Scan# 5387
Delta R.T. 0.01 min
Lab File: BN008820.D
Acq: 02 Dec 2019 18:29

Tgt Ion:252 Resp: 339542
Ion Ratio Lower Upper
252 100
253 23.4 19.9 29.9
125 14.0 14.6 22.0#



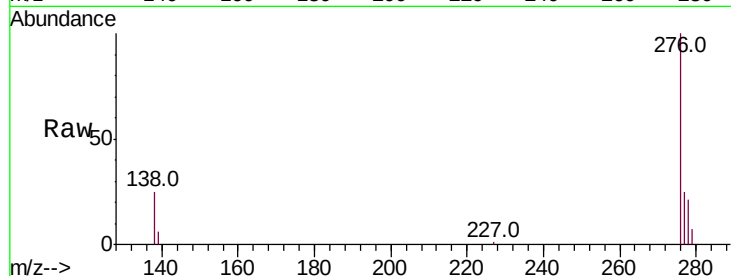


#24

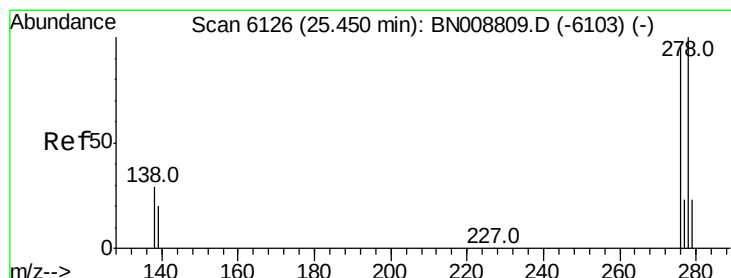
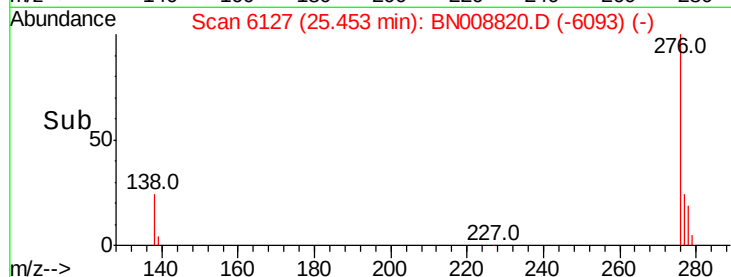
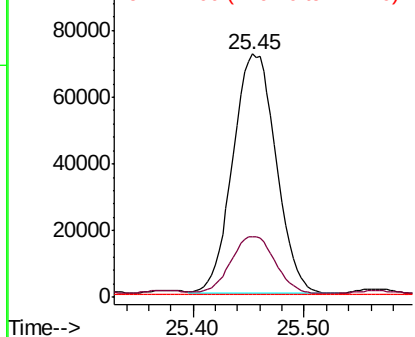
Indeno(1,2,3-cd)pyrene
Concen: 2.639 ng/ul
RT: 25.45 min Scan# 6127
Delta R.T. 0.01 min
Lab File: BN008820.D
Acq: 02 Dec 2019 18:29

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 193343
Ion Ratio Lower Upper
276 100
138 24.6 23.8 35.6
227 0.3 0.2 0.2#



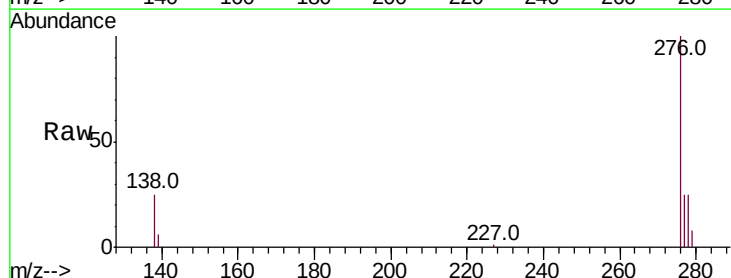
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



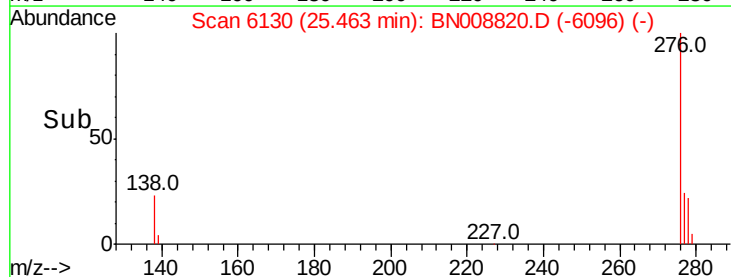
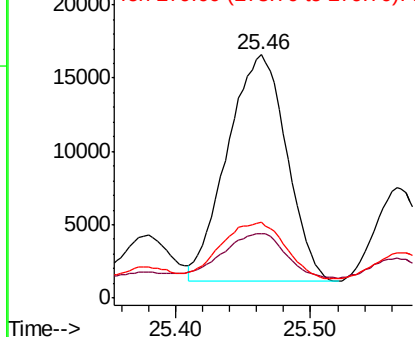
#25

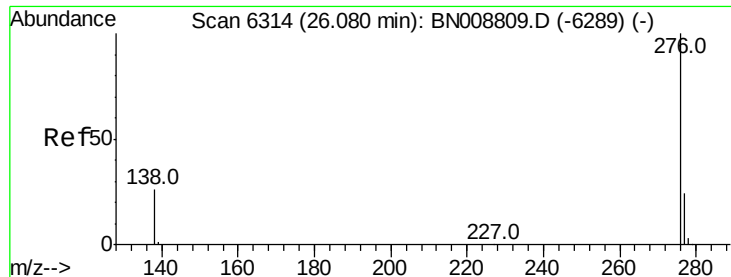
Dibenzo(a,h)anthracene
Concen: 0.801 ng/ul
RT: 25.46 min Scan# 6130
Delta R.T. 0.01 min
Lab File: BN008820.D
Acq: 02 Dec 2019 18:29

Tgt Ion:278 Resp: 47431
Ion Ratio Lower Upper
278 100
139 26.5 17.4 26.0#
279 31.0 20.5 30.7#



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: 2.946 ng/ul

RT: 26.11 min Scan# 6322

Delta R.T. 0.03 min

Lab File: BN008820.D

Acq: 02 Dec 2019 18:29

Instrument :

BNA_N

ClientSampleId :

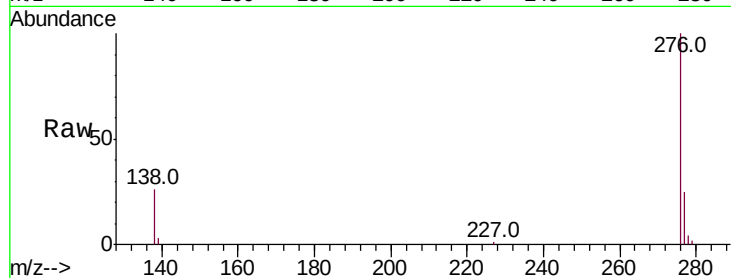
Tot Ion:276 Resp: 180558

Ion Ratio Lower Upper

276 100

138 25.7 21.9 32.9

277 24.6 19.9 29.9



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

