

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
 Data File : BN008960.D
 Acq On : 12 Dec 2019 23:48
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 13 00:51:54 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 : Thu Dec 12 00:49:42 2019
 Response via : Initial Calibration

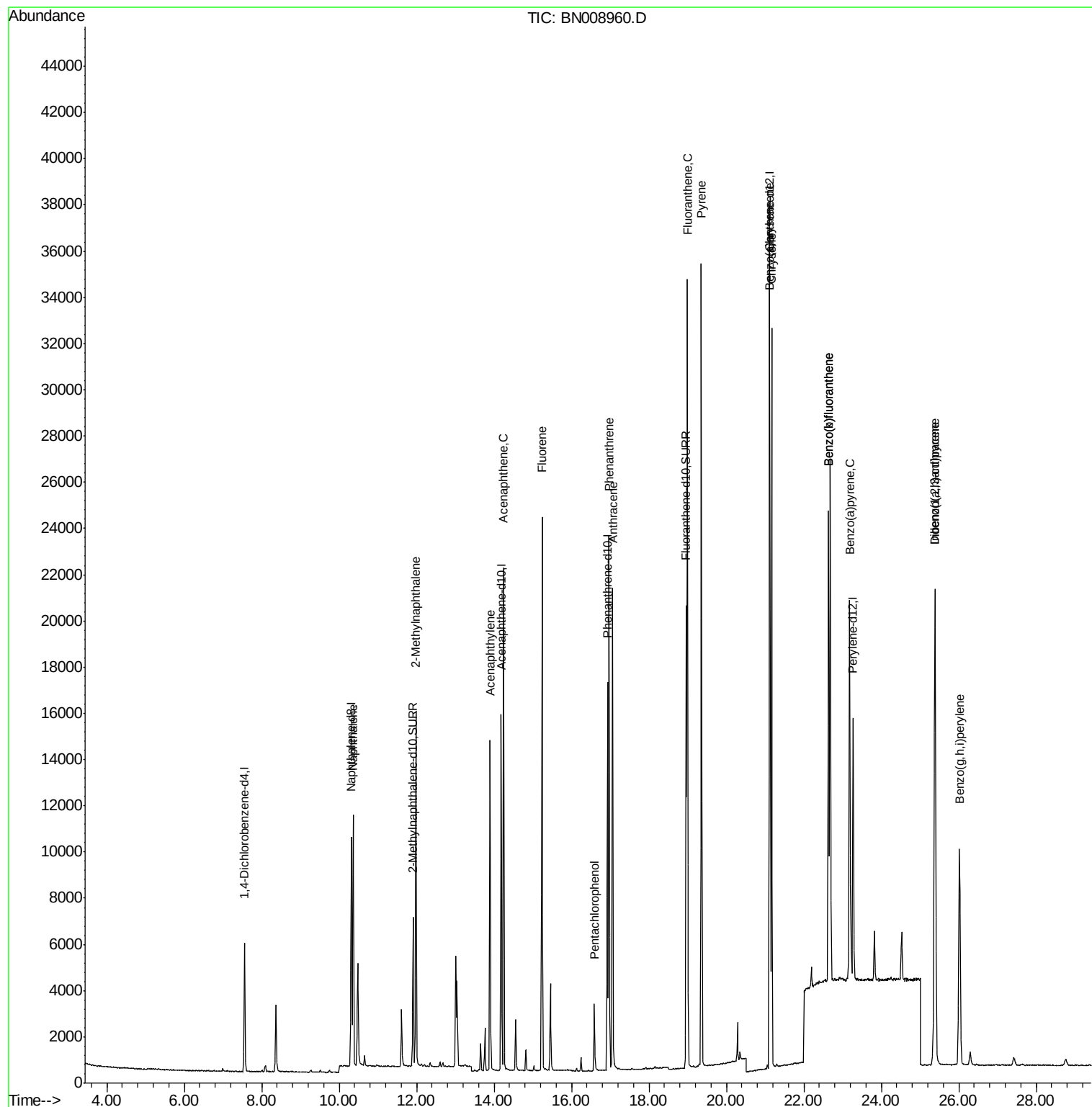
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	2880	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	12597	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	8248	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.93	188	17836	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	15483	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	13741	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	8492	0.41	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	21164	0.39	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.36	128	14734	0.388	ng/ul	100
5) 2-Methylnaphthalene	11.98	142	10973	0.414	ng/ul	100
7) Acenaphthylene	13.89	152	16243	0.356	ng/ul	99
8) Acenaphthene	14.25	153	12321	0.364	ng/ul	98
9) Fluorene	15.24	166	14413	0.363	ng/ul	100
11) Pentachlorophenol	16.59	266	2073	0.307	ng/ul	99
12) Phenanthrene	16.97	178	24393	0.406	ng/ul	100
13) Anthracene	17.06	178	22722	0.400	ng/ul	99
15) Fluoranthene	18.99	202	28481	0.385	ng/ul	99
17) Pyrene	19.35	202	28798	0.464	ng/ul	99
18) Benzo(a)anthracene	21.11	228	27576	0.443	ng/ul	100
19) Chrysene	21.16	228	26474	0.433	ng/ul	100
21) Benzo(b)fluoranthene	22.64	252	24102	0.425	ng/ul	99
22) Benzo(k)fluoranthene	22.64	252	24102	0.429	ng/ul	97
23) Benzo(a)pyrene	23.18	252	21726	0.408	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.38	276	21901	0.352	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.39	278	17768	0.354	ng/ul	99
26) Benzo(g,h,i)perylene	26.02	276	17964	0.345	ng/ul	98

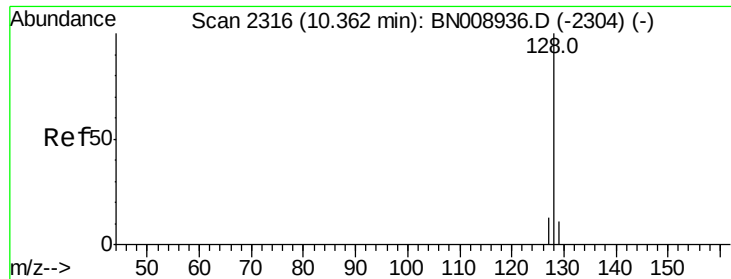
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

Quant Time: Dec 13 00:51:54 2019
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#3

Naphthalene

Concen: 0.388 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BN008960.D

Acq: 12 Dec 2019 23:48

Instrument :

BNA_N

ClientSampleId :

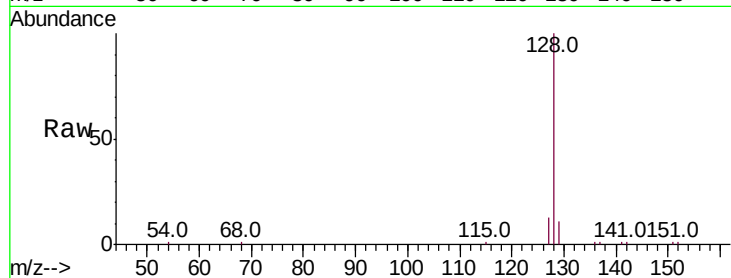
Tot Ion:128 Resp: 14734

Ion Ratio Lower Upper

128 100

129 11.4 9.1 13.7

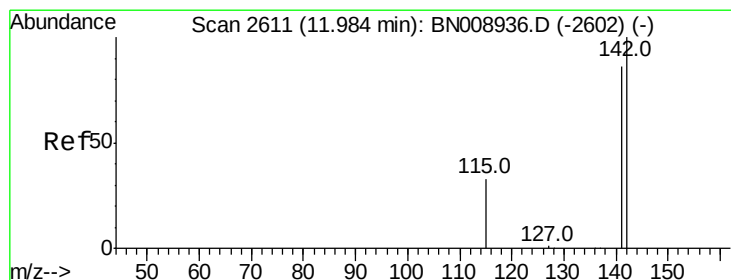
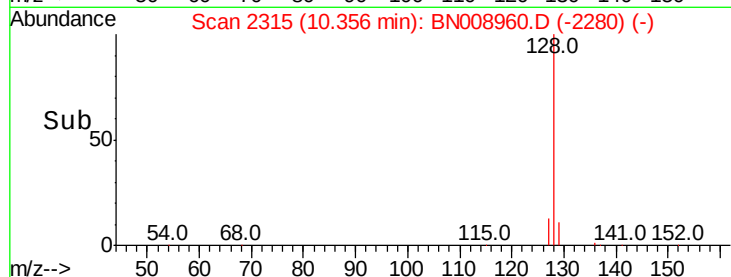
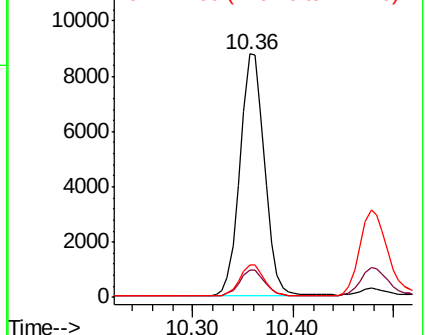
127 13.3 10.7 16.1



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: 0.414 ng/ul

RT: 11.98 min Scan# 2610

Delta R.T. -0.01 min

Lab File: BN008960.D

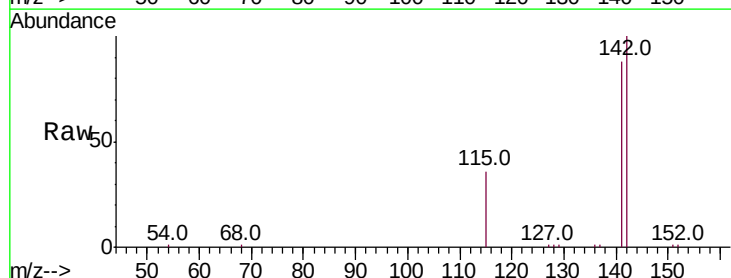
Acq: 12 Dec 2019 23:48

Tgt Ion:142 Resp: 10973

Ion Ratio Lower Upper

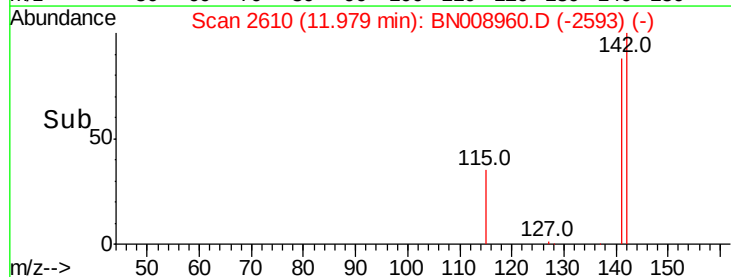
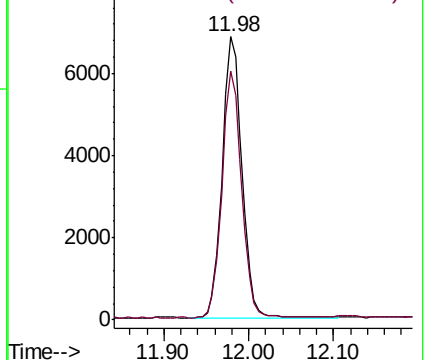
142 100

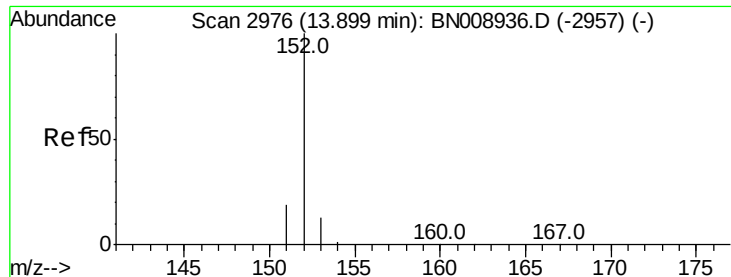
141 87.8 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.356 ng/ul

RT: 13.89 min Scan# 2975

Delta R.T. -0.01 min

Lab File: BN008960.D

Acq: 12 Dec 2019 23:48

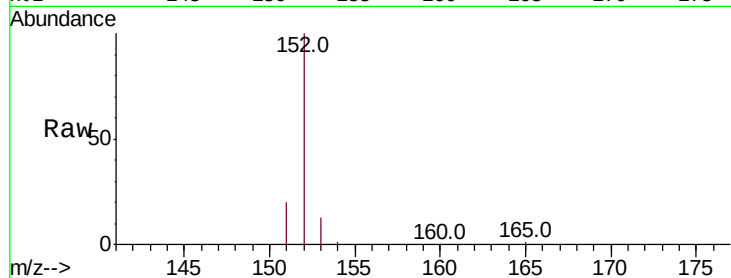
Instrument :

BNA_N

ClientSampleId :

Tot Ion:152 Resp: 16243

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.6
153	13.0	10.6	15.8

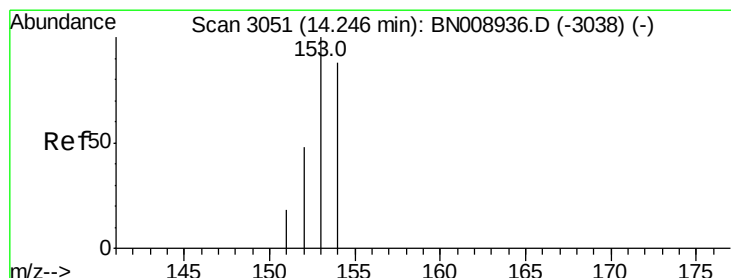
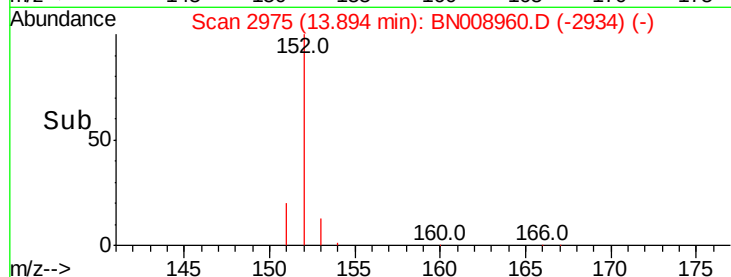
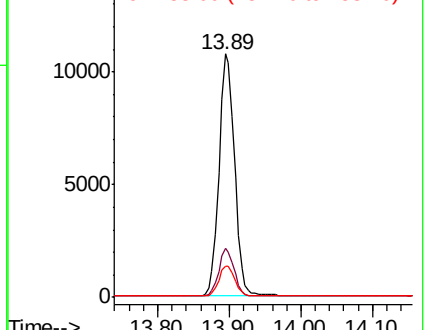


Abundance

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: 0.364 ng/ul

RT: 14.25 min Scan# 3051

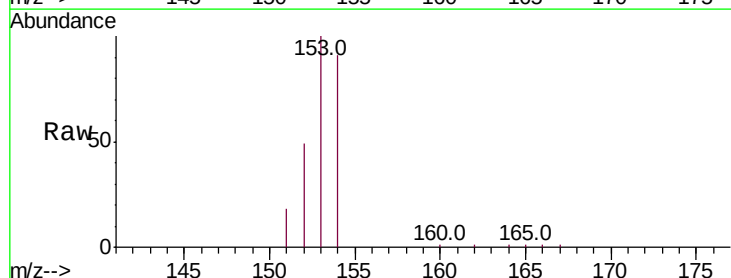
Delta R.T. -0.00 min

Lab File: BN008960.D

Acq: 12 Dec 2019 23:48

Tgt Ion:153 Resp: 12321

Ion	Ratio	Lower	Upper
153	100		
152	48.7	38.6	58.0
154	91.2	70.6	105.8

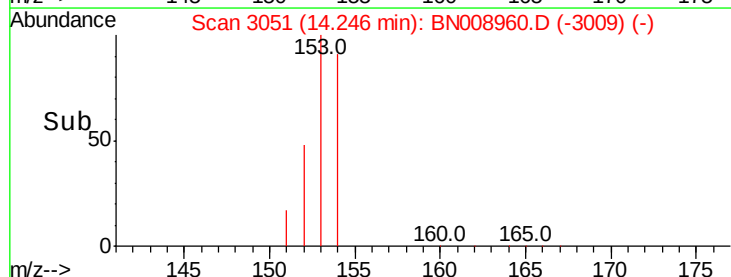
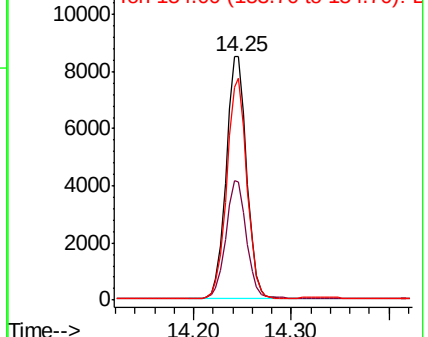


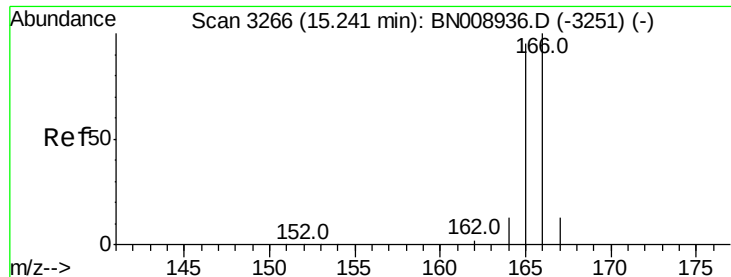
Abundance

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: 0.363 ng/ul

RT: 15.24 min Scan# 3265

Delta R.T. -0.00 min

Lab File: BN008960.D

Acq: 12 Dec 2019 23:48

Instrument :

BNA_N

ClientSampleId :

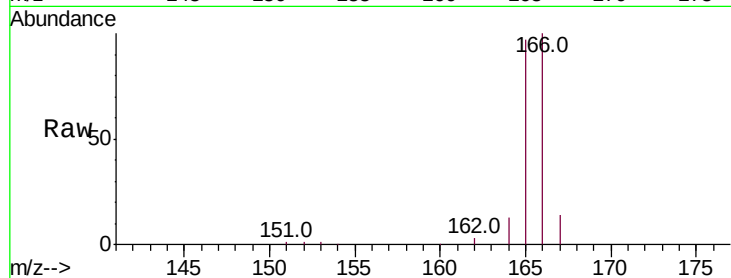
Tot Ion:166 Resp: 14413

Ion Ratio Lower Upper

166 100

165 97.4 77.7 116.5

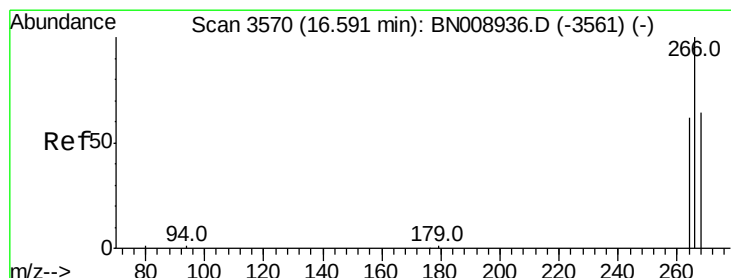
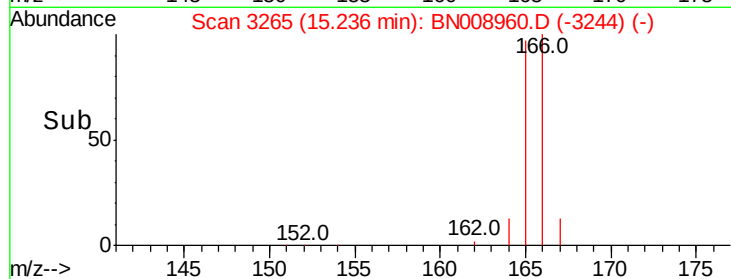
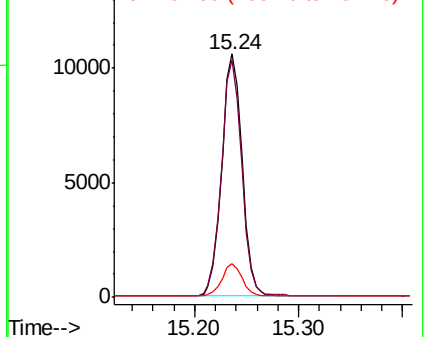
167 13.8 11.1 16.7



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



#11

Pentachlorophenol

Concen: 0.307 ng/ul

RT: 16.59 min Scan# 3570

Delta R.T. -0.00 min

Lab File: BN008960.D

Acq: 12 Dec 2019 23:48

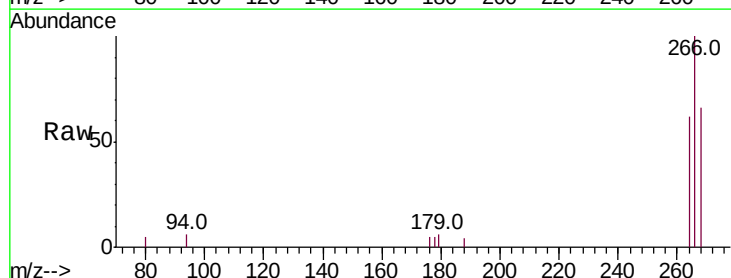
Tgt Ion:266 Resp: 2073

Ion Ratio Lower Upper

266 100

264 63.3 50.4 75.6

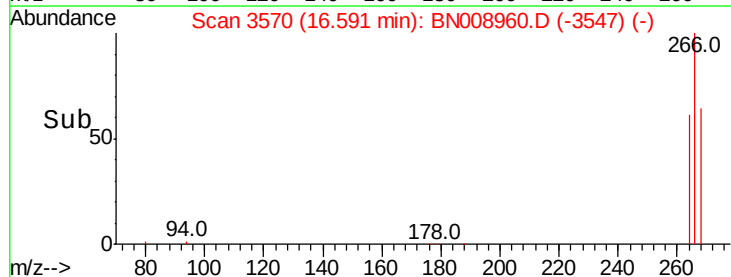
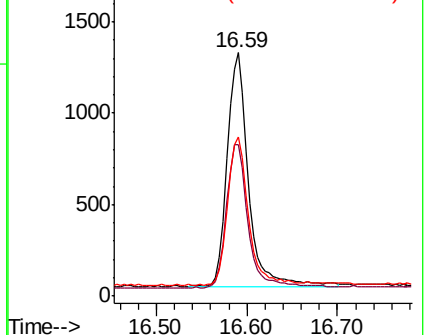
268 63.7 52.2 78.4

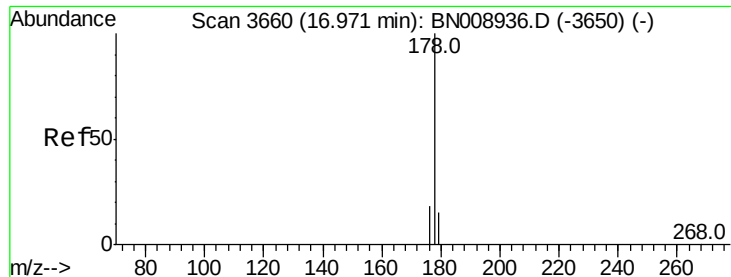


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.406 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. -0.00 min

Lab File: BN008960.D

Acq: 12 Dec 2019 23:48

Instrument :

BNA_N

ClientSampleId :

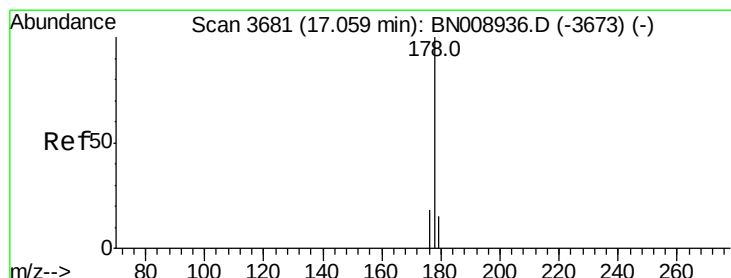
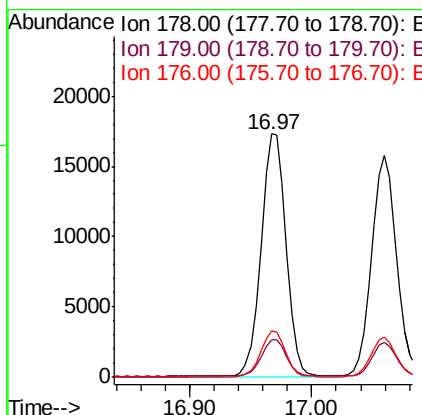
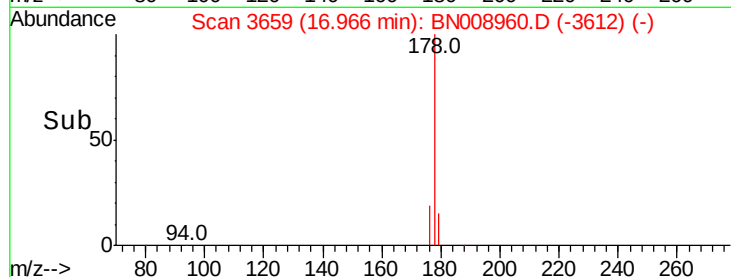
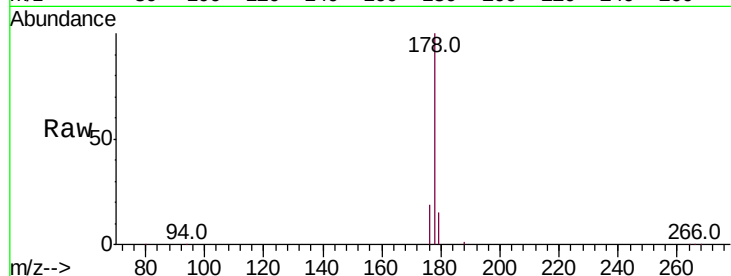
Tot Ion:178 Resp: 24393

Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

176 19.0 15.3 22.9



#13

Anthracene

Concen: 0.400 ng/ul

RT: 17.06 min Scan# 3681

Delta R.T. -0.00 min

Lab File: BN008960.D

Acq: 12 Dec 2019 23:48

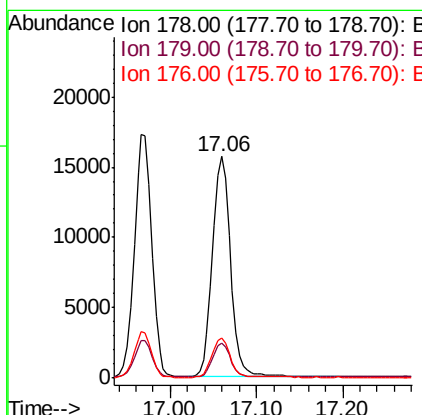
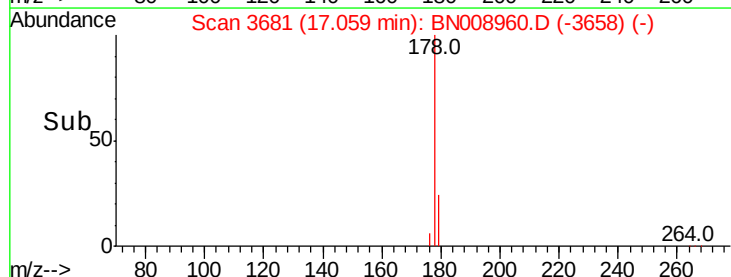
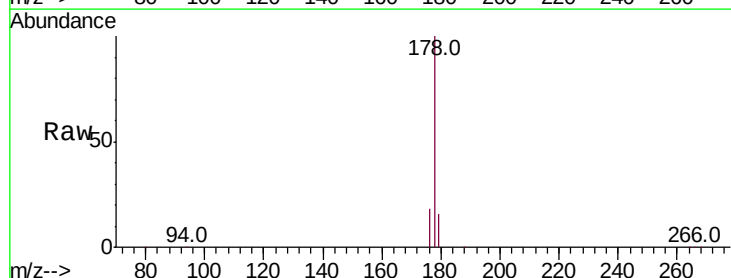
Tgt Ion:178 Resp: 22722

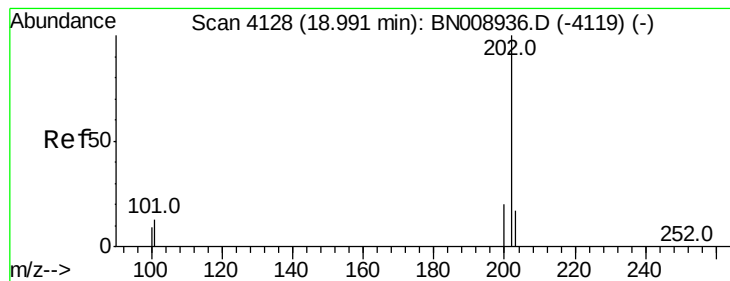
Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.4

176 18.1 14.7 22.1





#15

Fluoranthene

Concen: 0.385 ng/ul

RT: 18.99 min Scan# 4128

Delta R.T. -0.00 min

Lab File: BN008960.D

Acq: 12 Dec 2019 23:48

Instrument :

BNA_N

ClientSampleId :

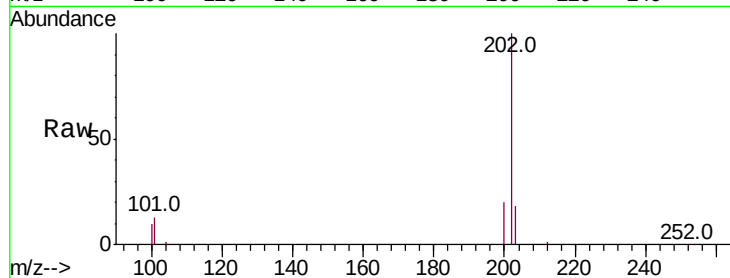
Tot Ion:202 Resp: 28481

Ion Ratio Lower Upper

202 100

101 12.7 0.0 32.4

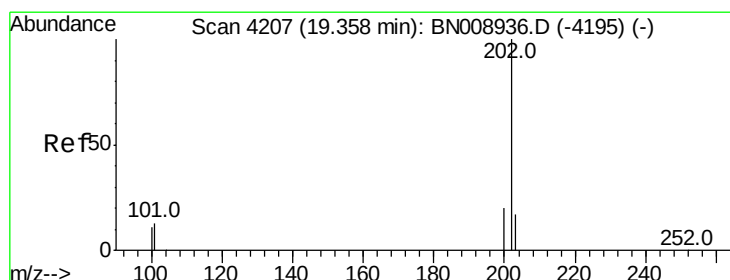
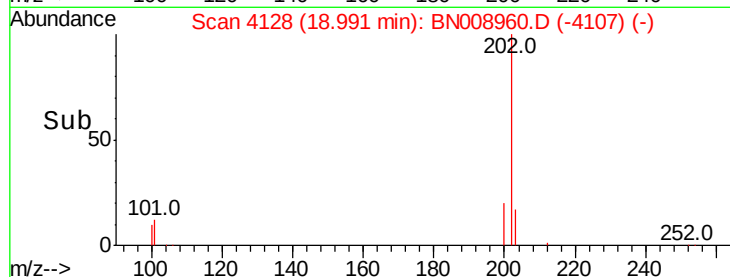
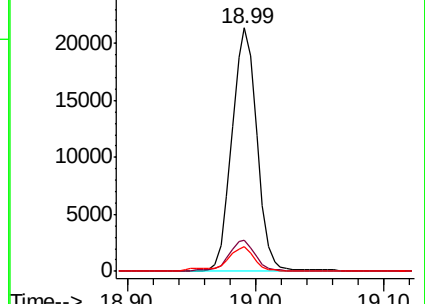
100 9.9 0.0 29.2



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

Pyrene

Concen: 0.464 ng/ul

RT: 19.35 min Scan# 4206

Delta R.T. -0.00 min

Lab File: BN008960.D

Acq: 12 Dec 2019 23:48

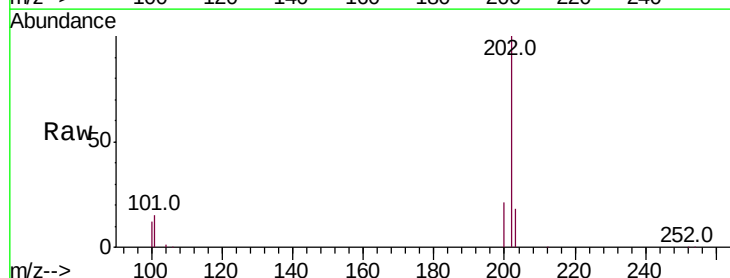
Tgt Ion:202 Resp: 28798

Ion Ratio Lower Upper

202 100

101 14.8 12.2 18.4

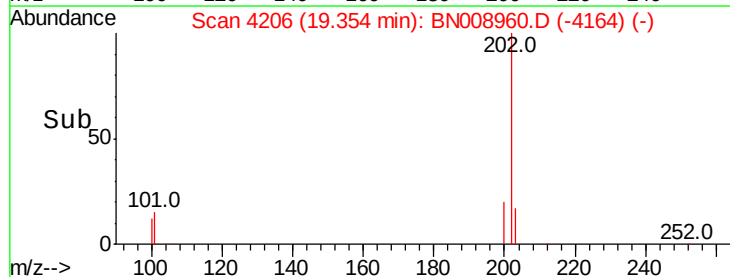
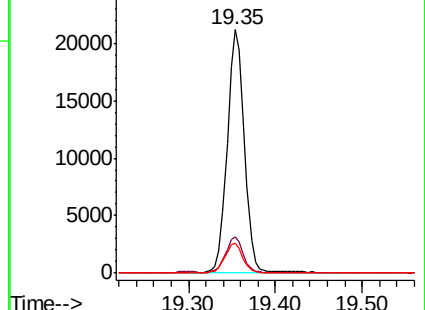
100 12.5 9.5 14.3

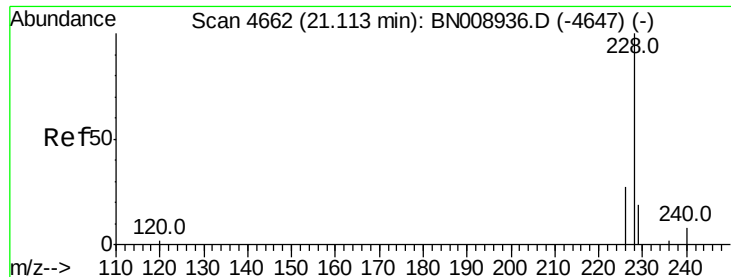


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.443 ng/ul

RT: 21.11 min Scan# 4662

Delta R.T. -0.00 min

Lab File: BN008960.D

Acq: 12 Dec 2019 23:48

Instrument :

BNA_N

ClientSampleId :

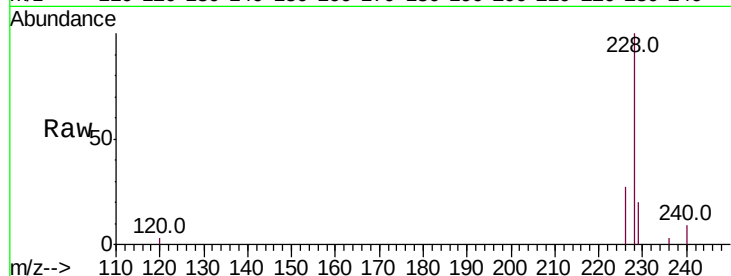
Tot Ion:228 Resp: 27576

Ion Ratio Lower Upper

228 100

229 19.7 15.7 23.5

226 26.8 21.5 32.3

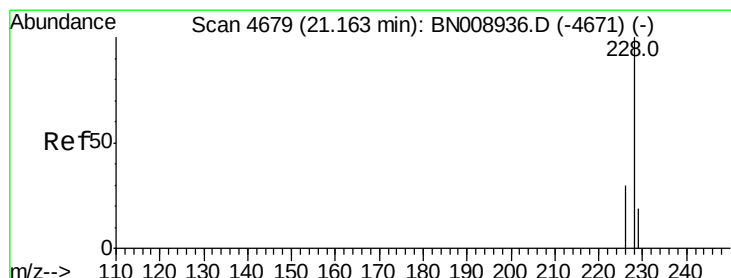
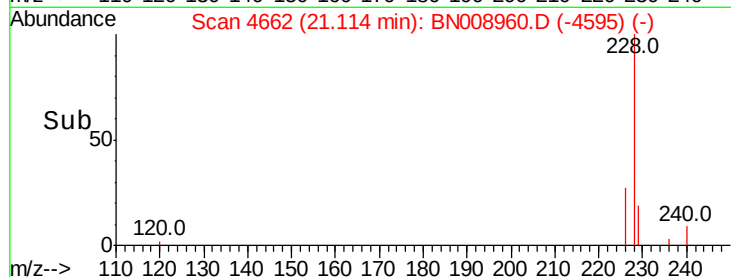
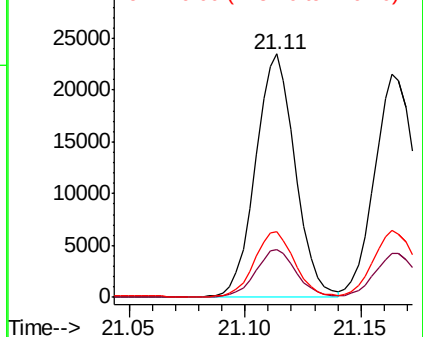


Abundance

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: 0.433 ng/ul

RT: 21.16 min Scan# 4679

Delta R.T. -0.01 min

Lab File: BN008960.D

Acq: 12 Dec 2019 23:48

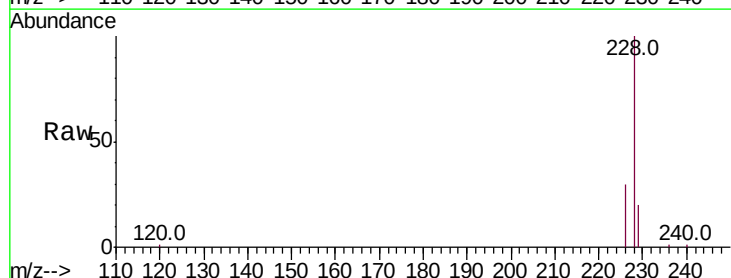
Tgt Ion:228 Resp: 26474

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.6

229 19.5 15.6 23.4

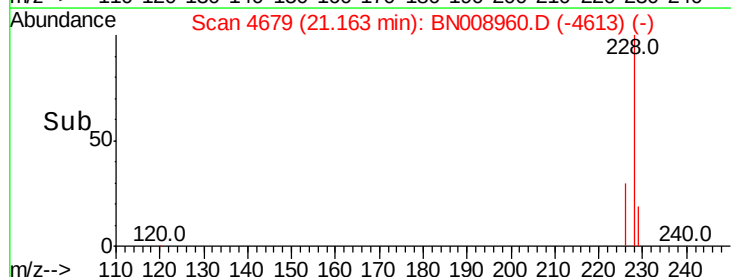
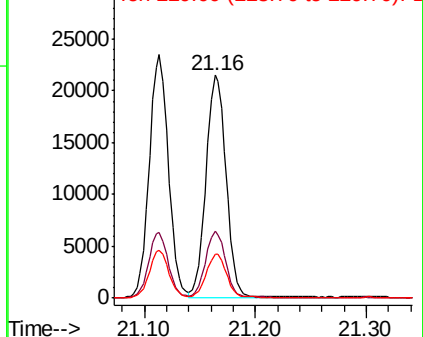


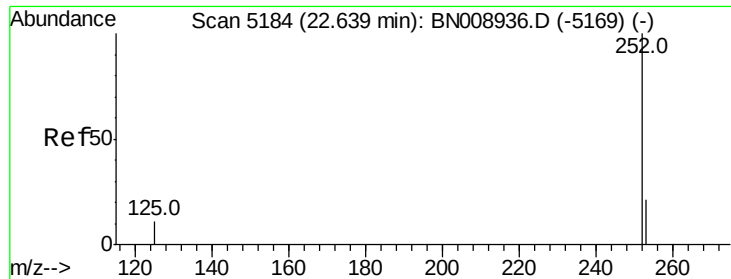
Abundance

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: 0.425 ng/ul

RT: 22.64 min Scan# 5184

Delta R.T. -0.01 min

Lab File: BN008960.D

Acq: 12 Dec 2019 23:48

Instrument :

BNA_N

ClientSampleId :

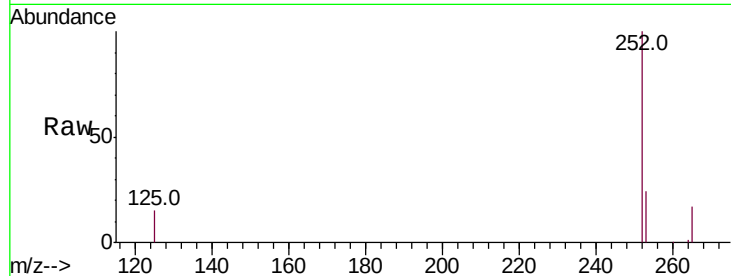
Tot Ion:252 Resp: 24102

Ion Ratio Lower Upper

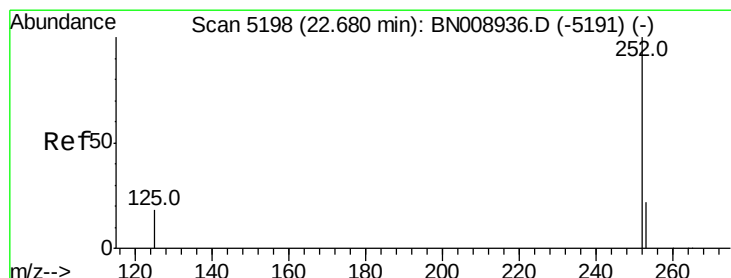
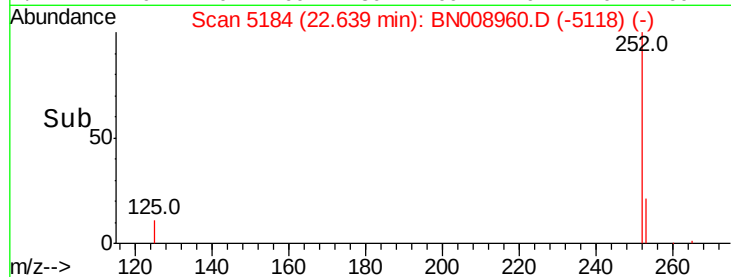
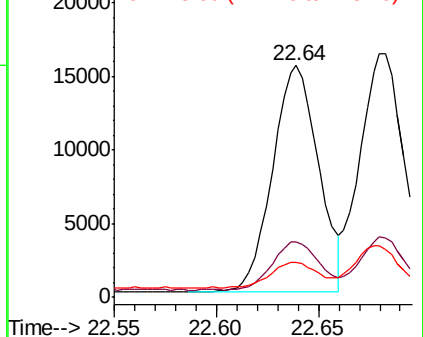
252 100

253 23.9 0.0 48.6

125 15.3 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: 0.429 ng/ul

RT: 22.64 min Scan# 5184

Delta R.T. -0.05 min

Lab File: BN008960.D

Acq: 12 Dec 2019 23:48

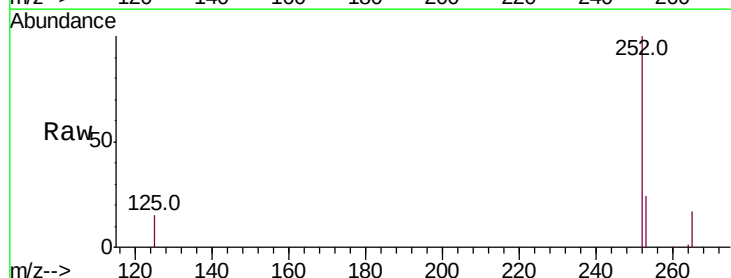
Tgt Ion:252 Resp: 24102

Ion Ratio Lower Upper

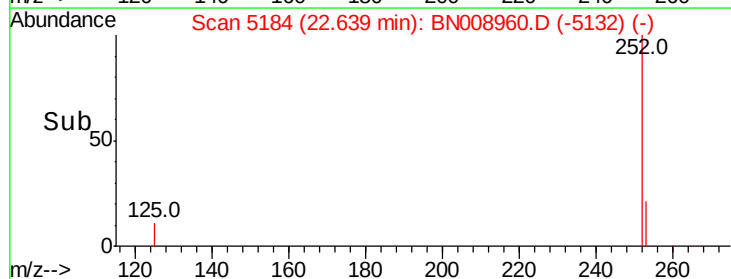
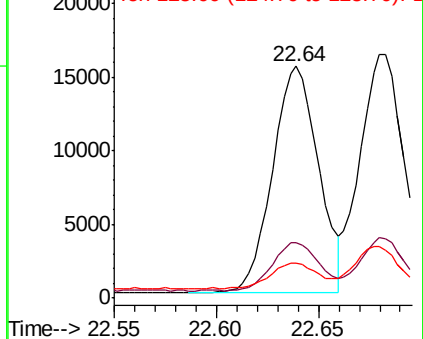
252 100

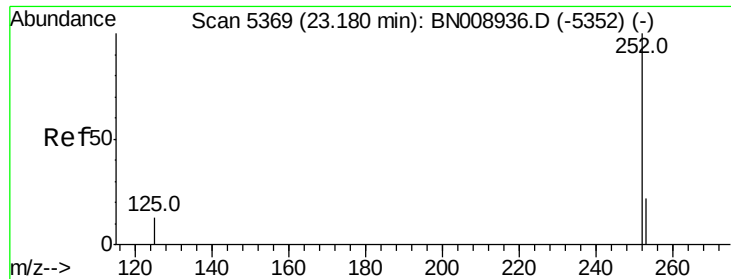
253 23.9 19.6 29.4

125 15.3 13.8 20.6



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: 0.408 ng/ul

RT: 23.18 min Scan# 5369

Delta R.T. -0.01 min

Lab File: BN008960.D

Acq: 12 Dec 2019 23:48

Instrument :

BNA_N

ClientSampleId :

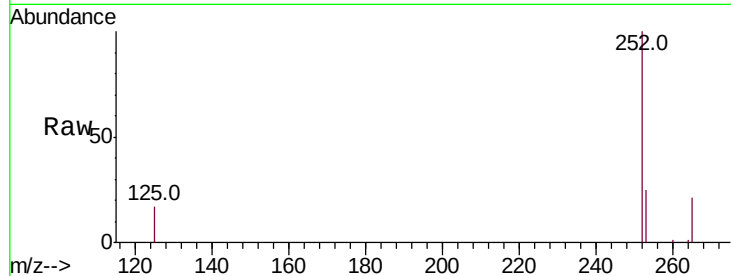
Tot Ion:252 Resp: 21726

Ion Ratio Lower Upper

252 100

253 24.8 19.9 29.9

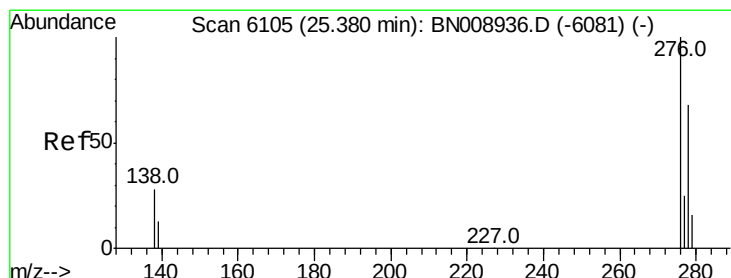
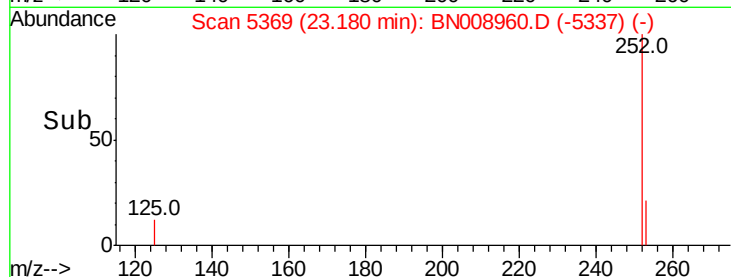
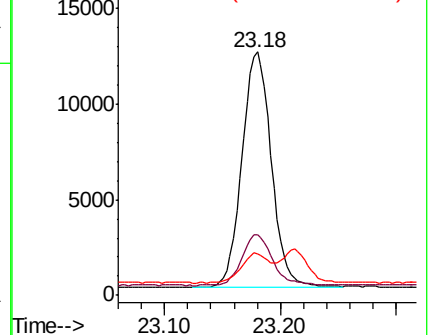
125 17.1 14.6 22.0



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.352 ng/ul

RT: 25.38 min Scan# 6105

Delta R.T. -0.01 min

Lab File: BN008960.D

Acq: 12 Dec 2019 23:48

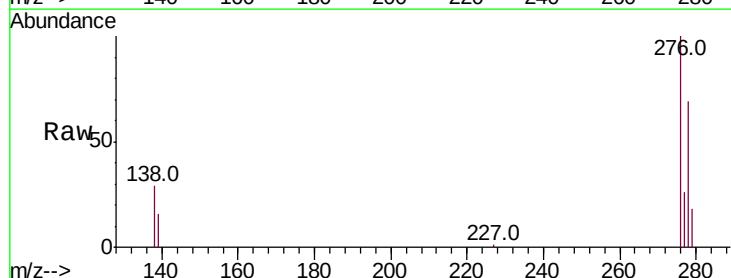
Tgt Ion:276 Resp: 21901

Ion Ratio Lower Upper

276 100

138 31.0 23.8 35.6

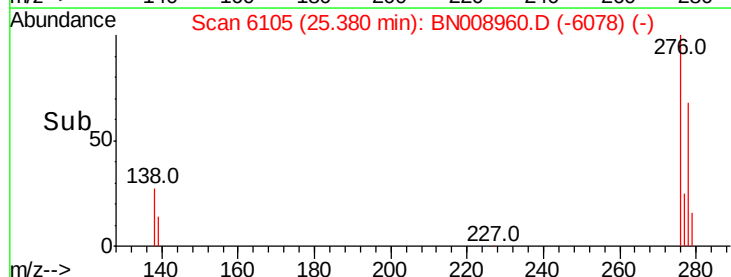
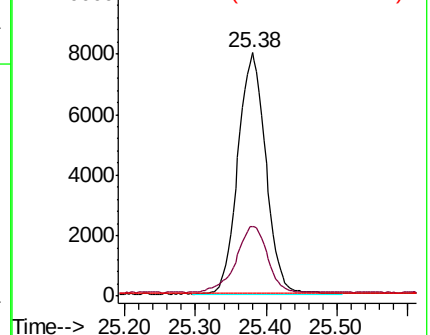
227 0.0 0.2 0.2#

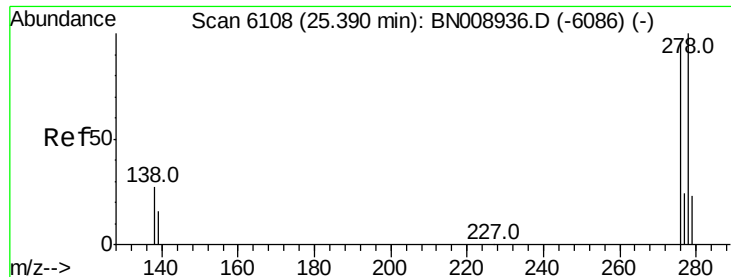


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



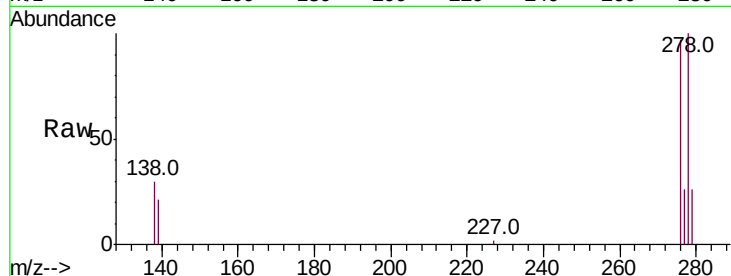


#25

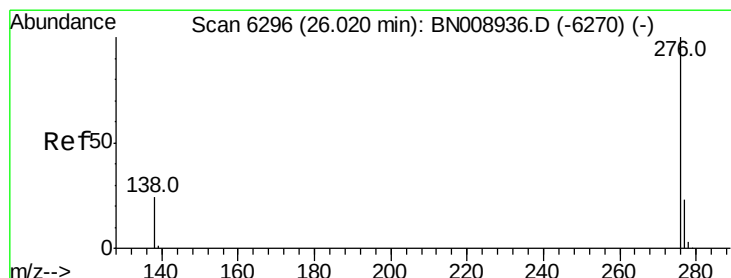
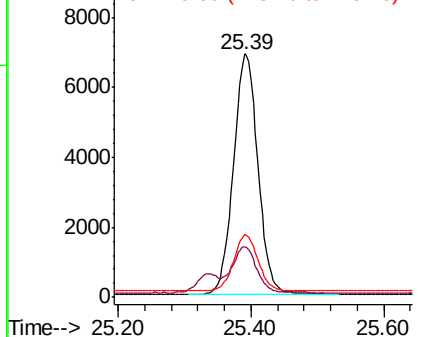
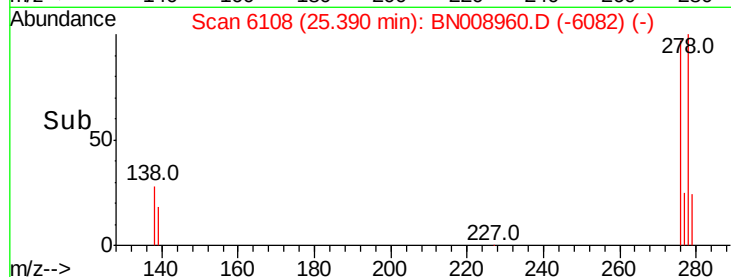
Dibenzo(a,h)anthracene
 Concen: 0.354 ng/ul
 RT: 25.39 min Scan# 6108
 Delta R.T. -0.01 min
 Lab File: BN008960.D
 Acq: 12 Dec 2019 23:48

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:278 Resp: 17768
 Ion Ratio Lower Upper
 278 100
 139 20.6 17.4 26.0
 279 25.8 20.5 30.7



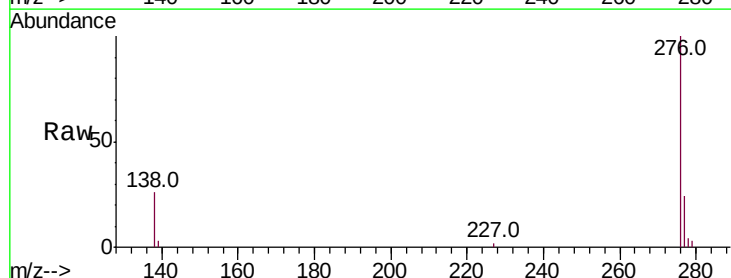
Abundance Ion 278.00 (277.70 to 278.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 279.00 (278.70 to 279.70): E



#26

Benzo(g,h,i)perylene
 Concen: 0.345 ng/ul
 RT: 26.02 min Scan# 6296
 Delta R.T. -0.01 min
 Lab File: BN008960.D
 Acq: 12 Dec 2019 23:48

Tgt Ion:276 Resp: 17964
 Ion Ratio Lower Upper
 276 100
 138 25.7 21.9 32.9
 277 24.1 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

