

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121319\
 Data File : BN008982.D
 Acq On : 14 Dec 2019 00:22
 Operator : JU
 Sample : K4649-02MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A5167MS

Quant Time: Dec 14 02:36:34 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 : Fri Dec 13 23:22:26 2019
 Response via : Initial Calibration

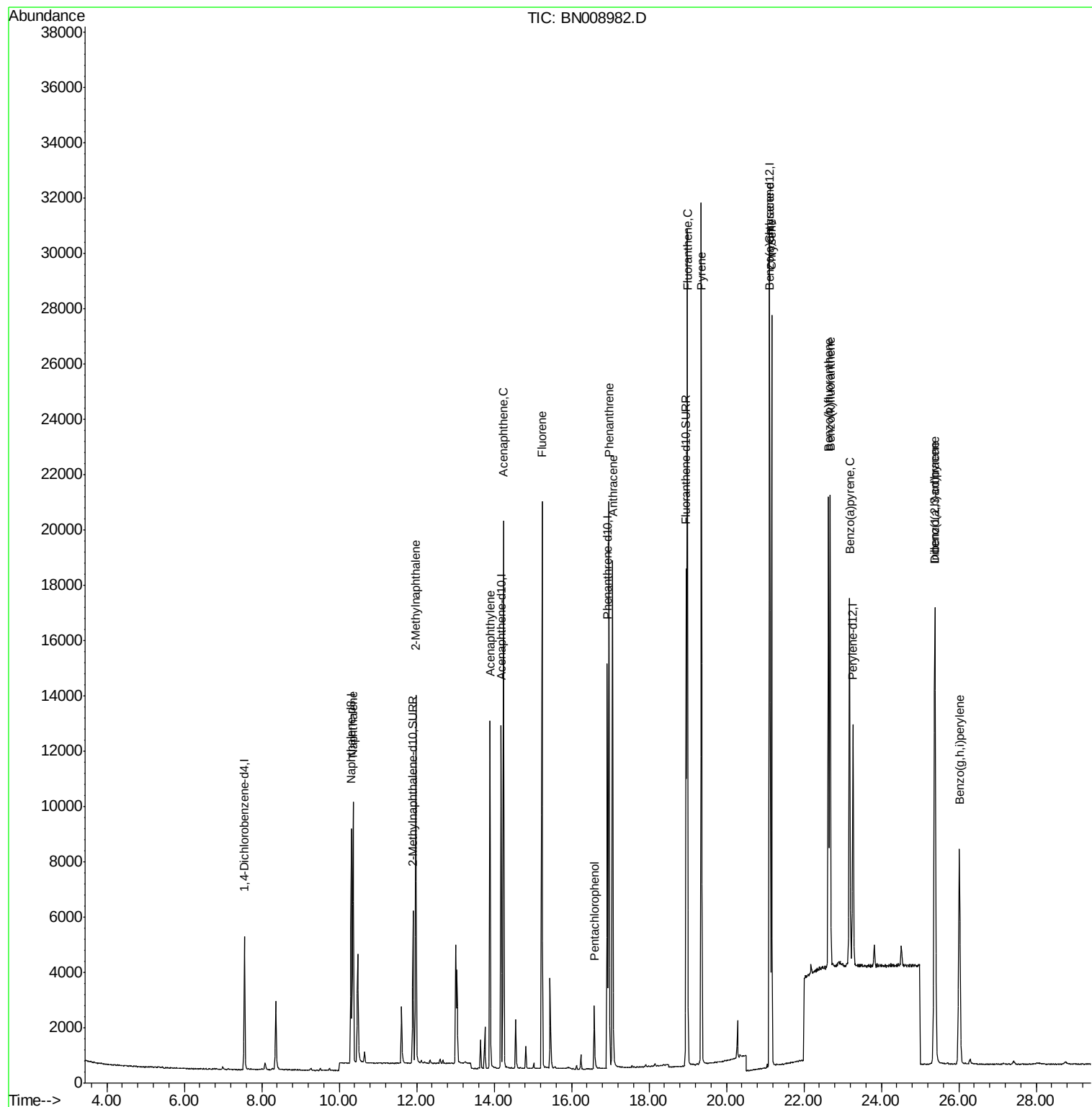
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	2381	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	10550	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	7064	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.92	188	15862	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	12712	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	10638	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.90	152	7372	0.43	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	18811	0.39	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.36	128	12737	0.400	ng/ul	99
5) 2-Methylnaphthalene	11.98	142	9591	0.432	ng/ul	100
7) Acenaphthylene	13.89	152	14224	0.364	ng/ul	100
8) Acenaphthene	14.24	153	10926	0.377	ng/ul	98
9) Fluorene	15.24	166	12866	0.378	ng/ul	99
11) Pentachlorophenol	16.59	266	1642	0.274	ng/ul	99
12) Phenanthrene	16.97	178	21753	0.407	ng/ul	100
13) Anthracene	17.06	178	19920	0.394	ng/ul	99
15) Fluoranthene	18.99	202	25211	0.384	ng/ul	99
17) Pyrene	19.35	202	25303	0.496	ng/ul	98
18) Benzo(a)anthracene	21.11	228	23386	0.457	ng/ul	100
19) Chrysene	21.16	228	22835	0.455	ng/ul	100
21) Benzo(b)fluoranthene	22.64	252	19712	0.449	ng/ul	99
22) Benzo(k)fluoranthene	22.68	252	19654	0.452	ng/ul	99
23) Benzo(a)pyrene	23.18	252	17271	0.419	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.37	276	17598	0.365	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.39	278	14307	0.368	ng/ul	99
26) Benzo(g,h,i)perylene	26.01	276	14621	0.363	ng/ul	98

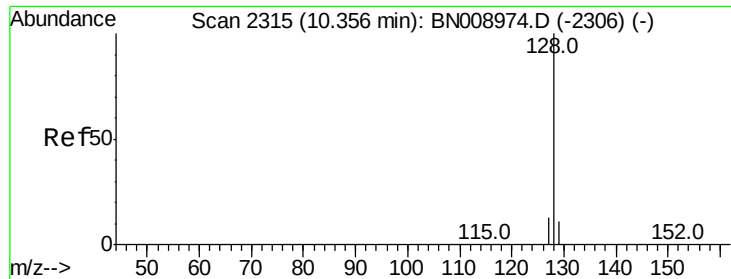
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.400 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. -0.00 min

Lab File: BN008982.D

Acq: 14 Dec 2019 00:22

Instrument :

BNA_N

ClientSampleId :

A5167MS

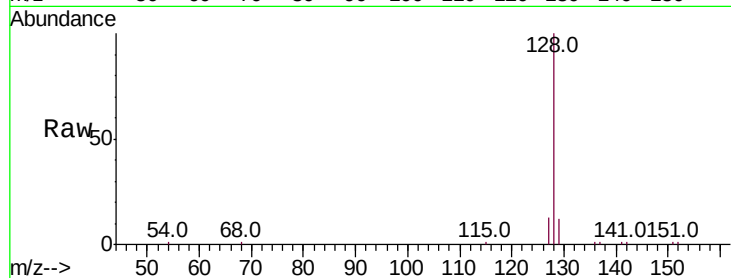
Tot Ion:128 Resp: 12737

Ion Ratio Lower Upper

128 100

129 11.8 9.1 13.7

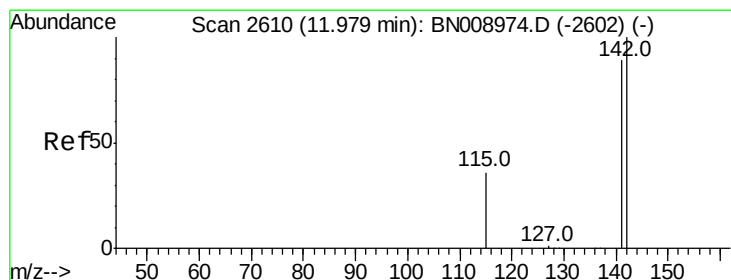
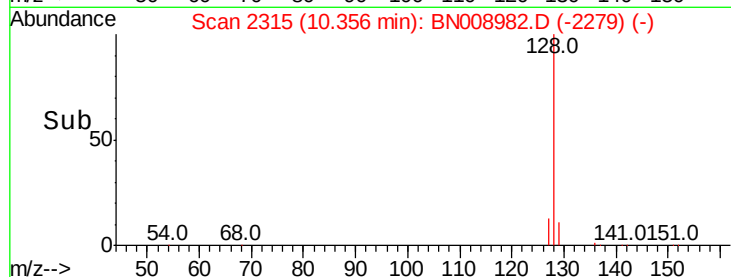
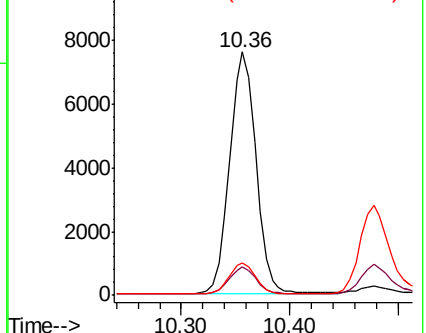
127 13.5 10.7 16.1



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: 0.432 ng/ul

RT: 11.98 min Scan# 2610

Delta R.T. -0.00 min

Lab File: BN008982.D

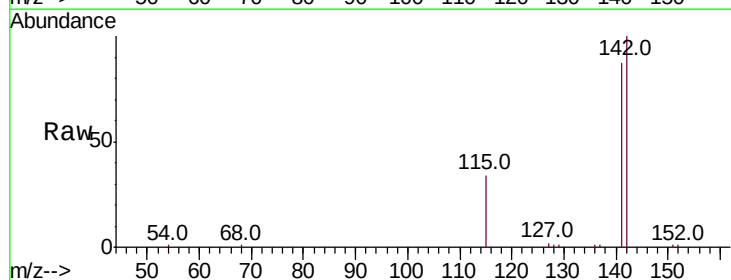
Acq: 14 Dec 2019 00:22

Tgt Ion:142 Resp: 9591

Ion Ratio Lower Upper

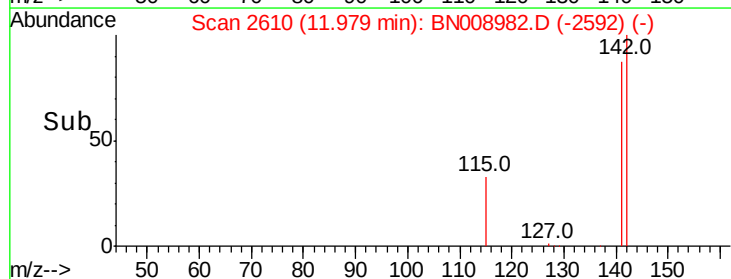
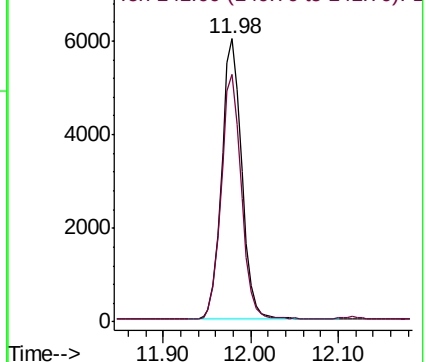
142 100

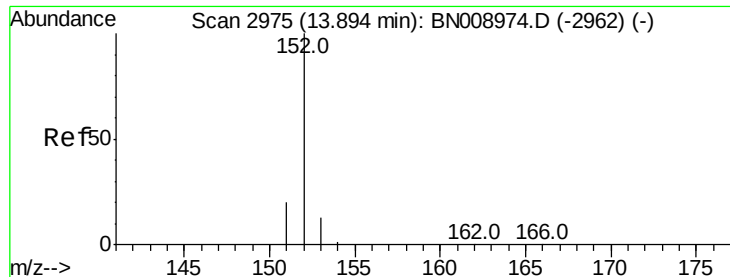
141 87.4 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.364 ng/ul

RT: 13.89 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BN008982.D

Acq: 14 Dec 2019 00:22

Instrument :

BNA_N

ClientSampleId :

A5167MS

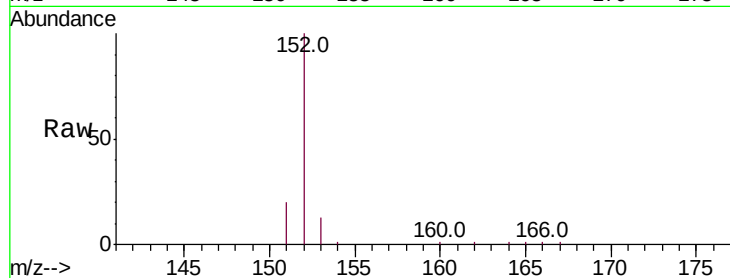
Tot Ion:152 Resp: 14224

Ion Ratio Lower Upper

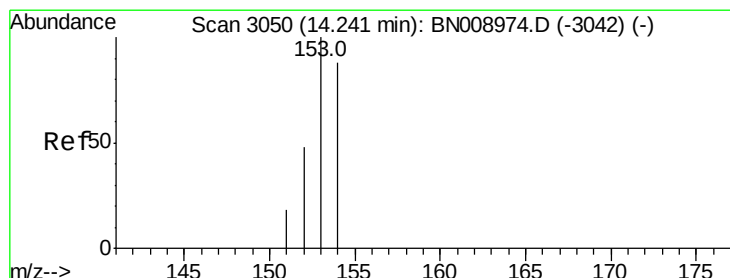
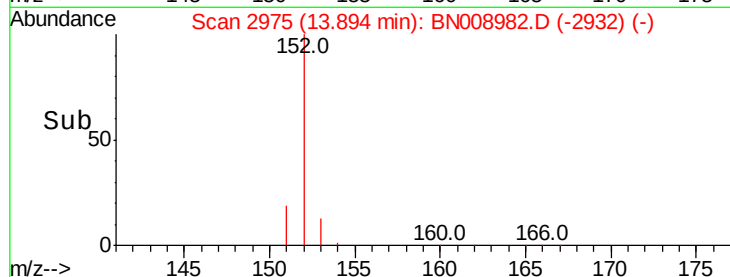
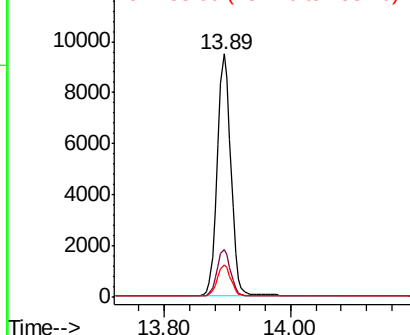
152 100

151 19.8 15.8 23.6

153 13.2 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: 0.377 ng/ul

RT: 14.24 min Scan# 3050

Delta R.T. -0.00 min

Lab File: BN008982.D

Acq: 14 Dec 2019 00:22

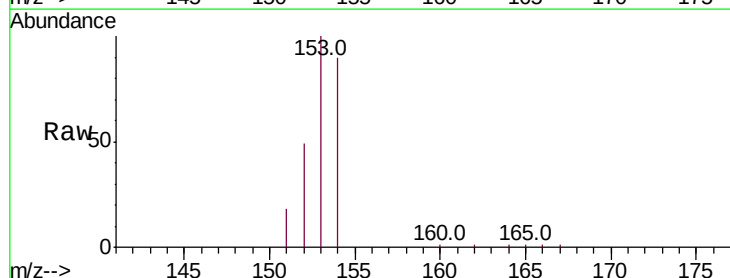
Tgt Ion:153 Resp: 10926

Ion Ratio Lower Upper

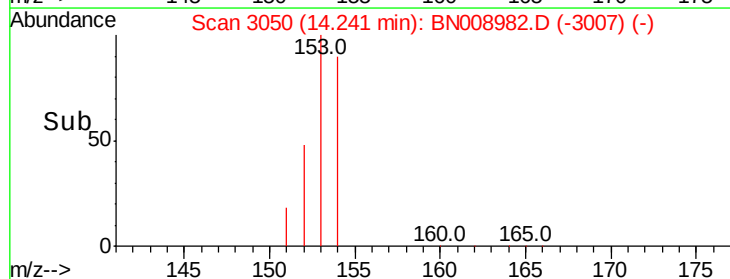
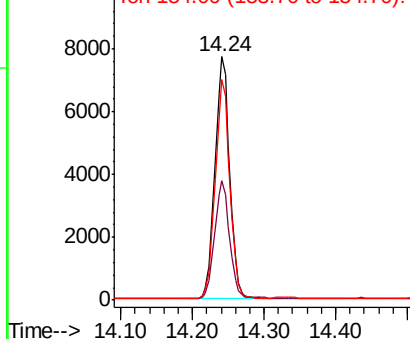
153 100

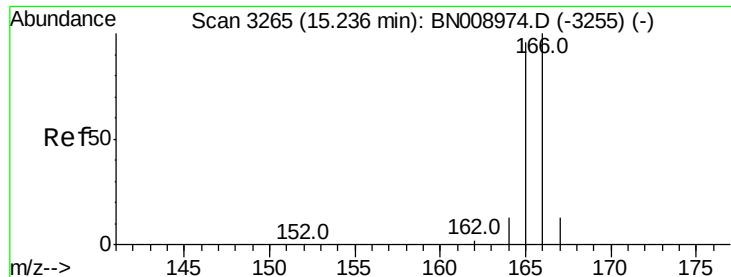
152 49.0 38.6 58.0

154 90.4 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: 0.378 ng/ul

RT: 15.24 min Scan# 3265

Delta R.T. -0.00 min

Lab File: BN008982.D

Acq: 14 Dec 2019 00:22

Instrument :

BNA_N

ClientSampleId :

A5167MS

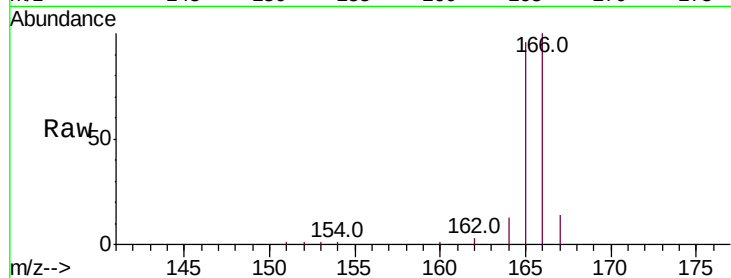
Tot Ion:166 Resp: 12866

Ion Ratio Lower Upper

166 100

165 96.3 77.7 116.5

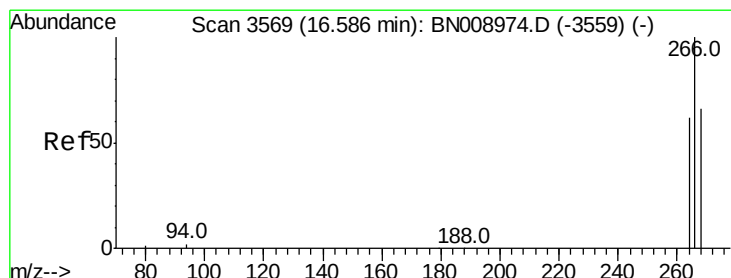
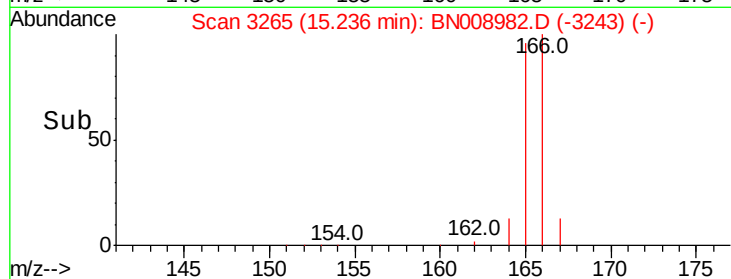
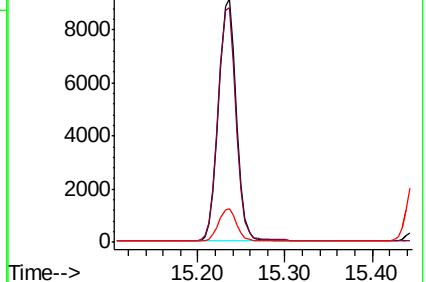
167 13.7 11.1 16.7



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: 0.274 ng/ul

RT: 16.59 min Scan# 3569

Delta R.T. -0.00 min

Lab File: BN008982.D

Acq: 14 Dec 2019 00:22

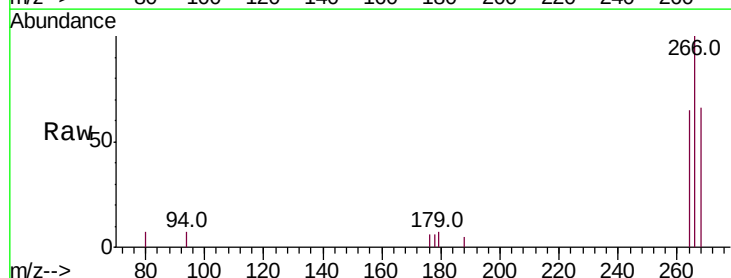
Tgt Ion:266 Resp: 1642

Ion Ratio Lower Upper

266 100

264 62.2 50.4 75.6

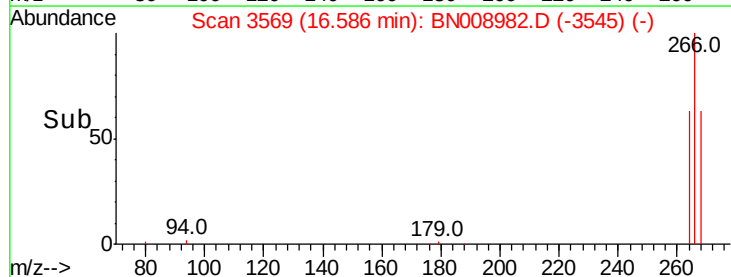
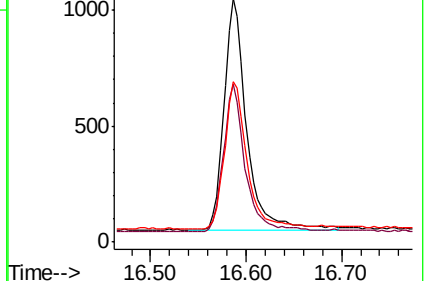
268 66.1 52.2 78.4

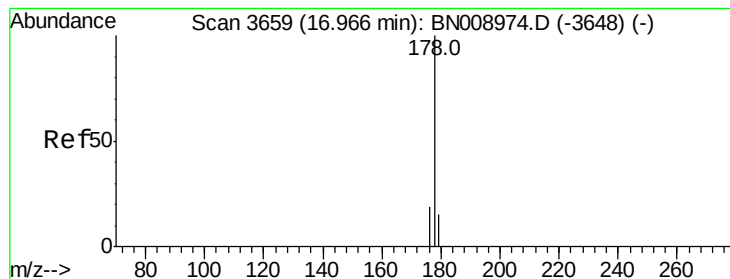


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.407 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. -0.00 min

Lab File: BN008982.D

Acq: 14 Dec 2019 00:22

Instrument :

BNA_N

ClientSampleId :

A5167MS

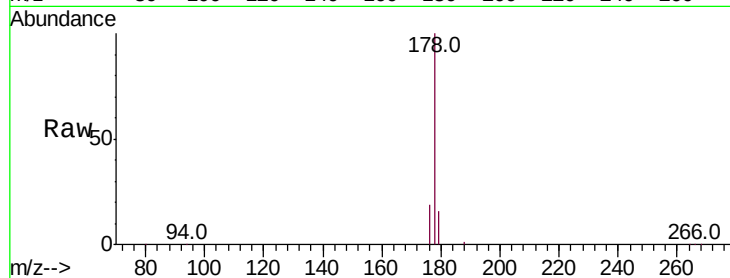
Tot Ion:178 Resp: 21753

Ion Ratio Lower Upper

178 100

179 15.8 12.6 18.8

176 18.8 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

20000

15000

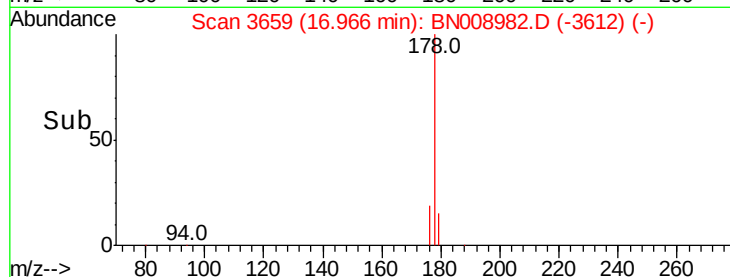
10000

5000

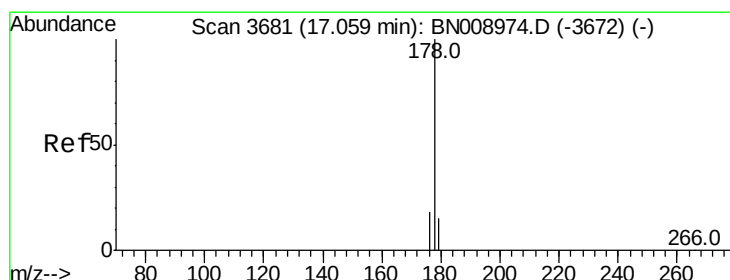
0

16.97

Time-->



Time-->



#13

Anthracene

Concen: 0.394 ng/ul

RT: 17.06 min Scan# 3681

Delta R.T. -0.00 min

Lab File: BN008982.D

Acq: 14 Dec 2019 00:22

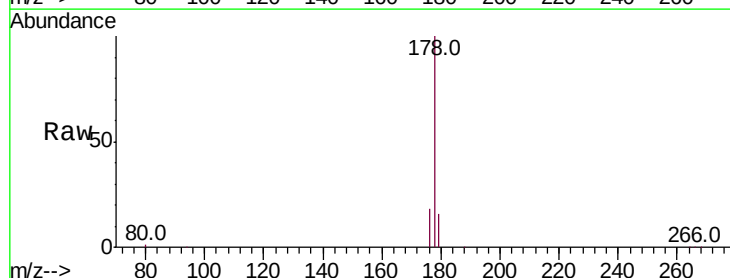
Tgt Ion:178 Resp: 19920

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.4

176 18.1 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

20000

15000

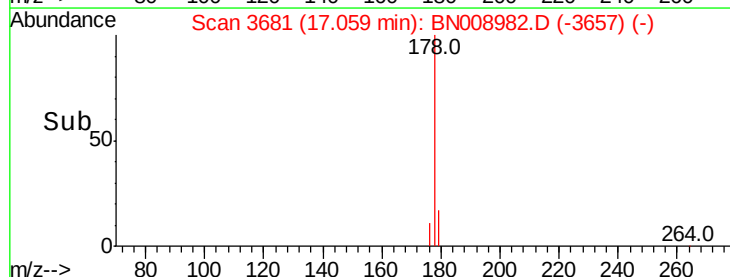
10000

5000

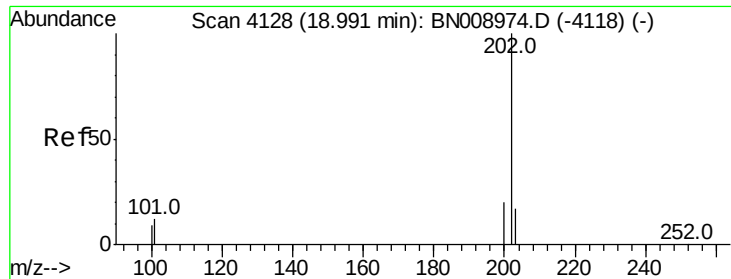
0

17.06

Time-->



Time-->



#15

Fluoranthene

Concen: 0.384 ng/ul

RT: 18.99 min Scan# 4128

Delta R.T. -0.00 min

Lab File: BN008982.D

Acq: 14 Dec 2019 00:22

Instrument :

BNA_N

ClientSampleId :

A5167MS

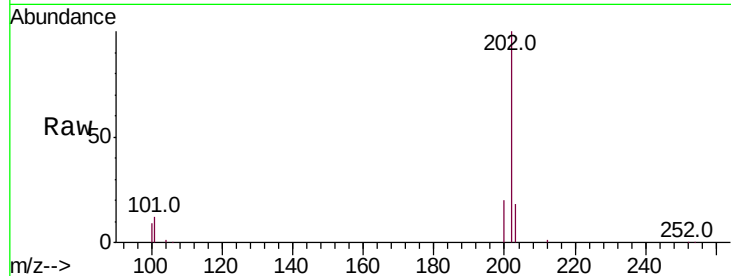
Tot Ion:202 Resp: 25211

Ion Ratio Lower Upper

202 100

101 12.2 0.0 32.4

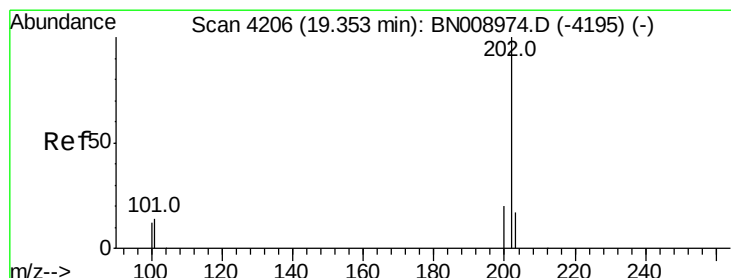
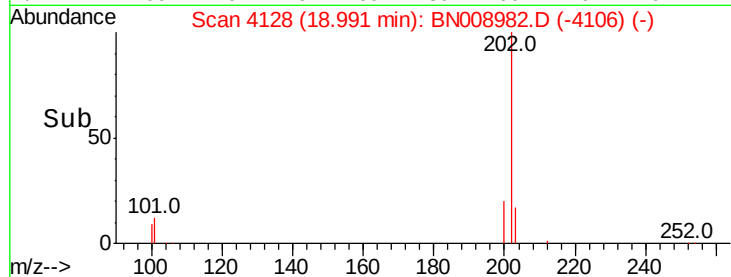
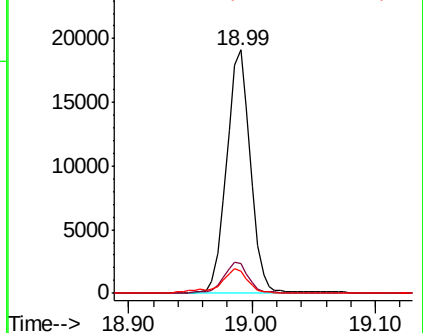
100 8.9 0.0 29.2



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: 0.496 ng/ul

RT: 19.35 min Scan# 4206

Delta R.T. -0.00 min

Lab File: BN008982.D

Acq: 14 Dec 2019 00:22

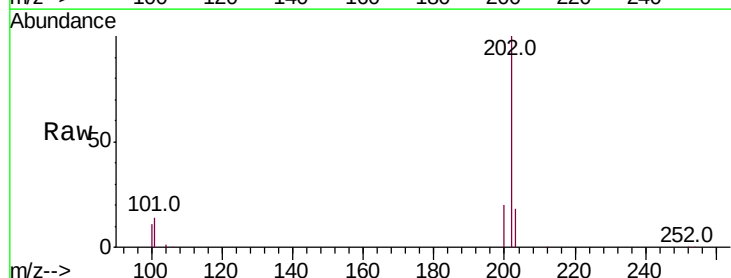
Tgt Ion:202 Resp: 25303

Ion Ratio Lower Upper

202 100

101 14.2 12.2 18.4

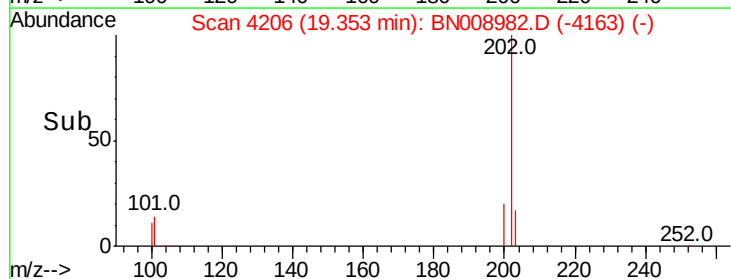
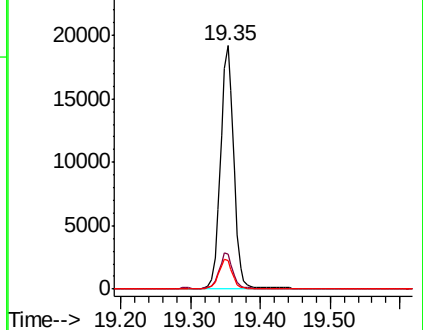
100 11.5 9.5 14.3

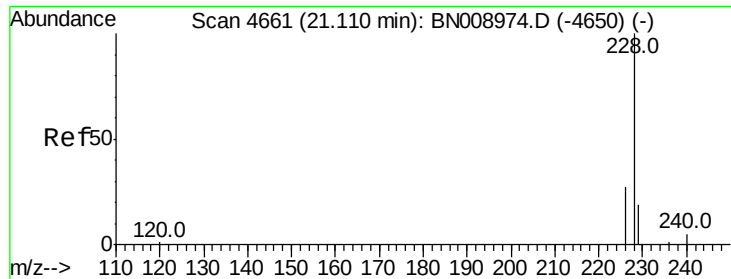


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.457 ng/ul

RT: 21.11 min Scan# 4661

Delta R.T. -0.00 min

Lab File: BN008982.D

Acq: 14 Dec 2019 00:22

Instrument :

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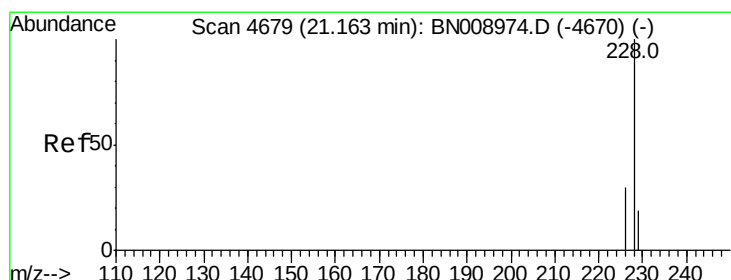
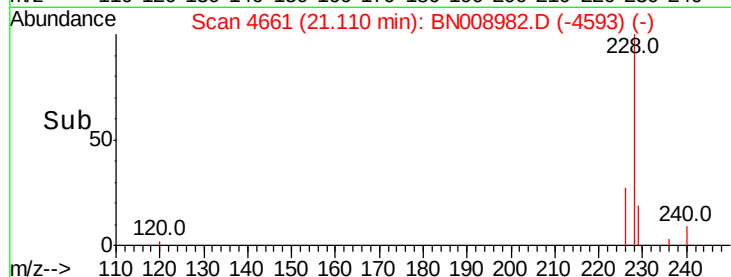
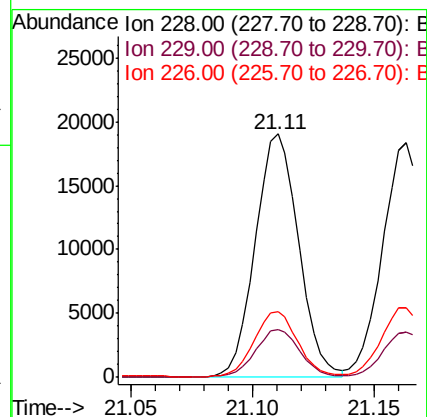
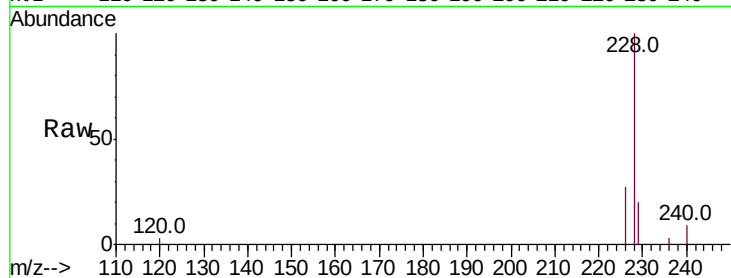
Tot Ion:228 Resp: 23386

Ion Ratio Lower Upper

228 100

229 19.8 15.7 23.5

226 26.9 21.5 32.3



#19

Chrysene

Concen: 0.455 ng/ul

RT: 21.16 min Scan# 4679

Delta R.T. -0.00 min

Lab File: BN008982.D

Acq: 14 Dec 2019 00:22

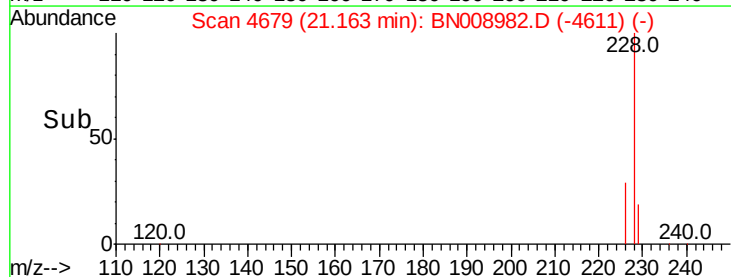
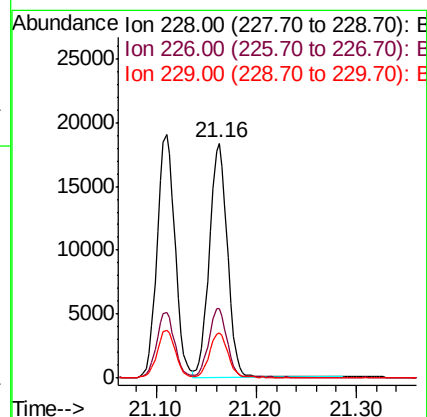
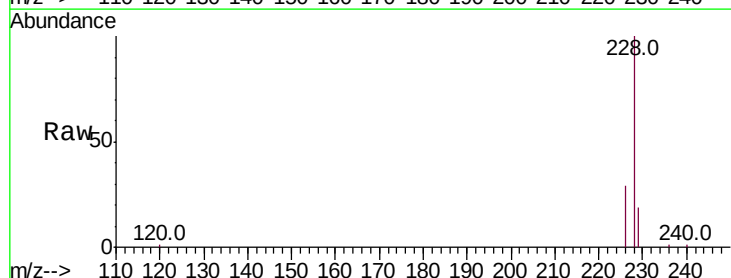
Tgt Ion:228 Resp: 22835

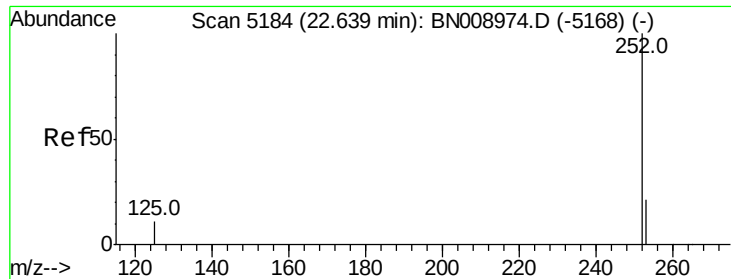
Ion Ratio Lower Upper

228 100

226 29.5 23.8 35.6

229 19.3 15.6 23.4





#21

Benzo(b)fluoranthene

Concen: 0.449 ng/ul

RT: 22.64 min Scan# 5183

Delta R.T. -0.00 min

Lab File: BN008982.D

Acq: 14 Dec 2019 00:22

Instrument :

BNA_N

ClientSampleId :

A5167MS

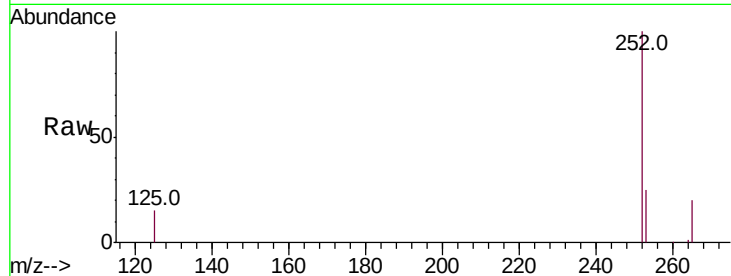
Tot Ion:252 Resp: 19712

Ion Ratio Lower Upper

252 100

253 24.6 0.0 48.6

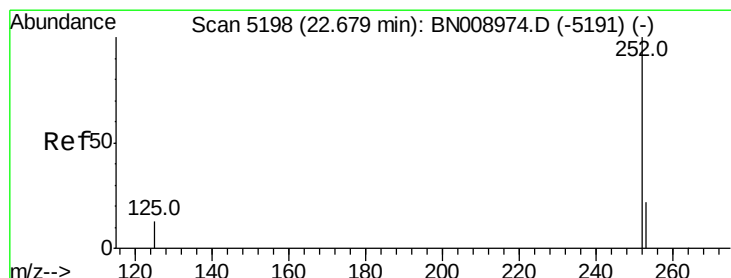
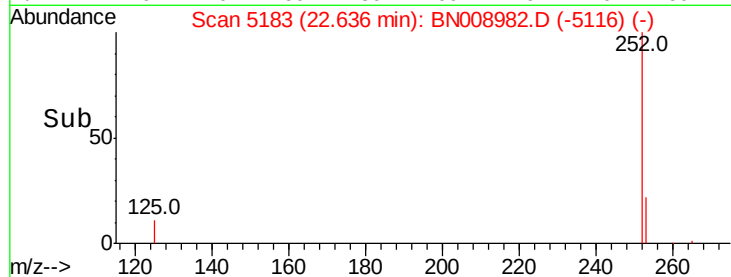
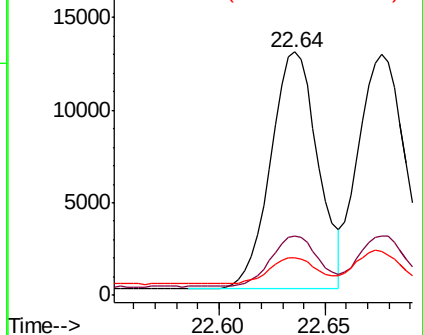
125 15.4 0.0 31.6



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: 0.452 ng/ul

RT: 22.68 min Scan# 5197

Delta R.T. -0.00 min

Lab File: BN008982.D

Acq: 14 Dec 2019 00:22

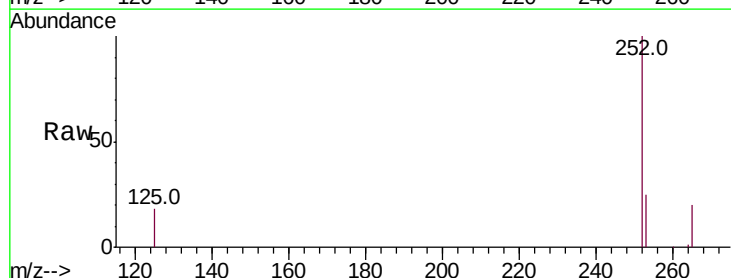
Tgt Ion:252 Resp: 19654

Ion Ratio Lower Upper

252 100

253 24.6 19.6 29.4

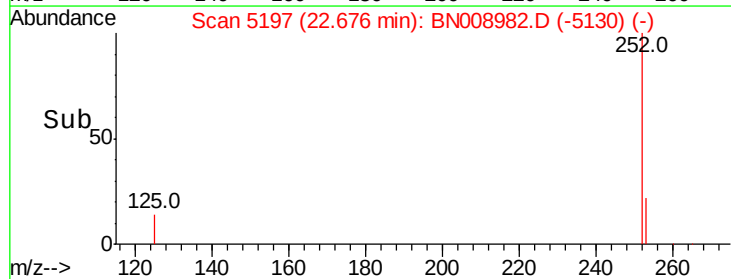
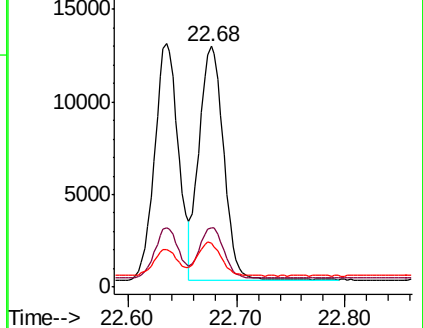
125 18.0 13.8 20.6

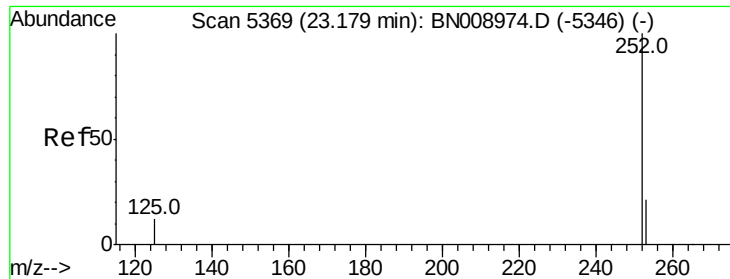


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.419 ng/ul

RT: 23.18 min Scan# 5368

Delta R.T. -0.00 min

Lab File: BN008982.D

Acq: 14 Dec 2019 00:22

Instrument :

BNA_N

ClientSampleId :

A5167MS

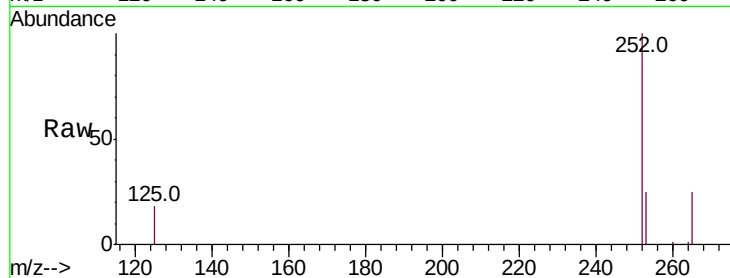
Tot Ion:252 Resp: 17271

Ion Ratio Lower Upper

252 100

253 25.3 19.9 29.9

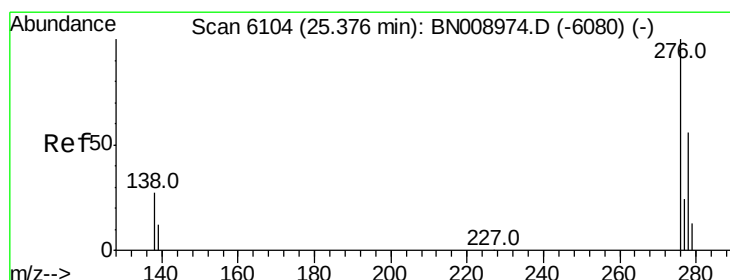
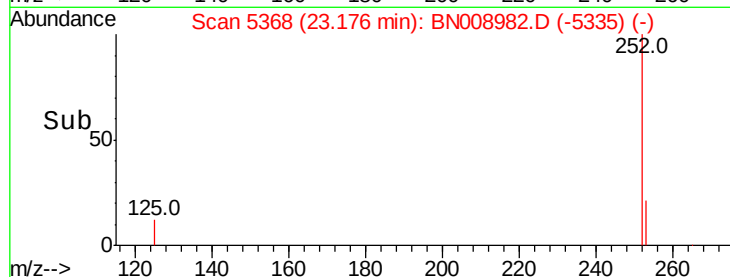
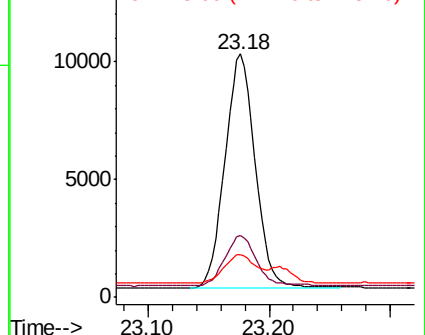
125 17.6 14.6 22.0



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: 0.365 ng/ul

RT: 25.37 min Scan# 6103

Delta R.T. -0.00 min

Lab File: BN008982.D

Acq: 14 Dec 2019 00:22

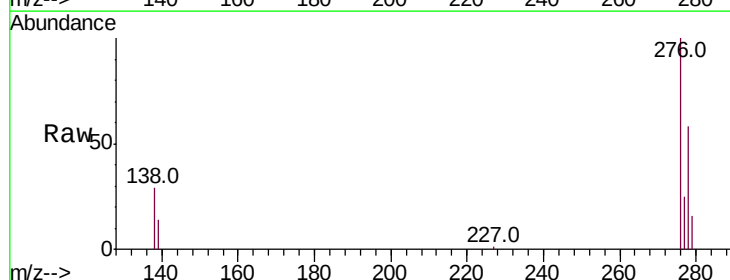
Tgt Ion:276 Resp: 17598

Ion Ratio Lower Upper

276 100

138 29.3 23.8 35.6

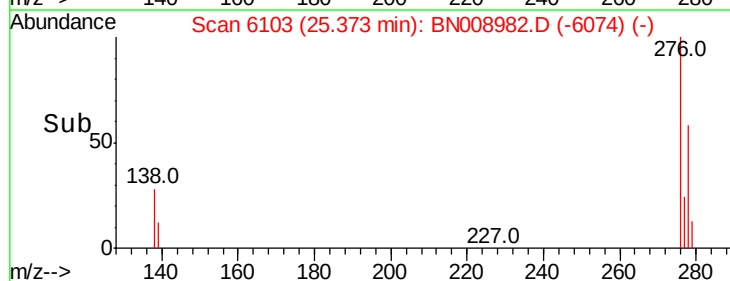
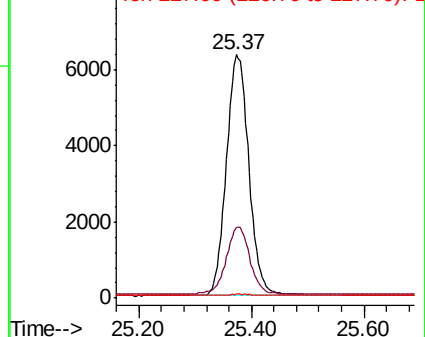
227 0.3 0.2 0.2#

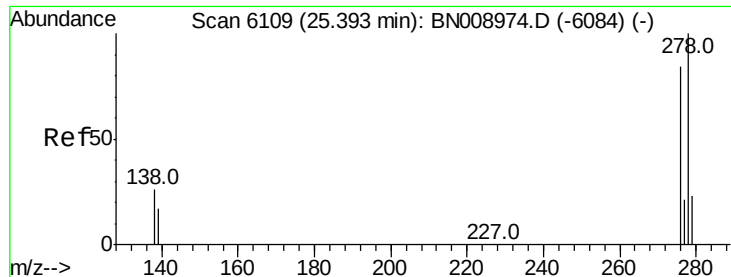


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



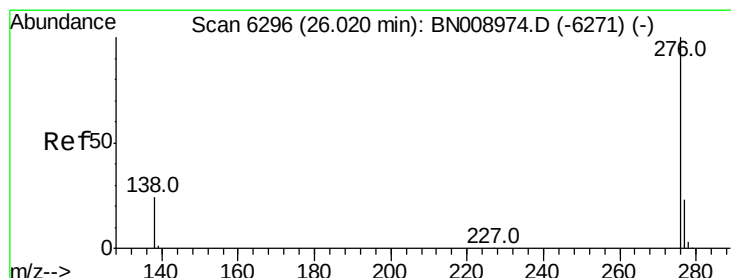
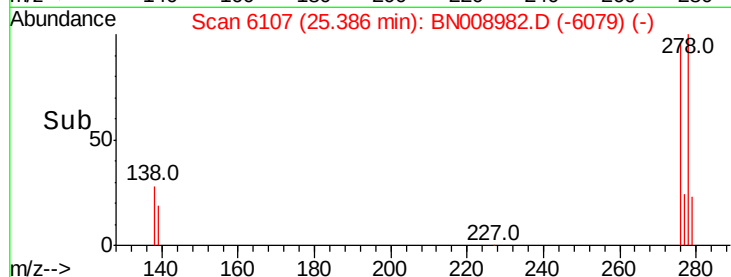
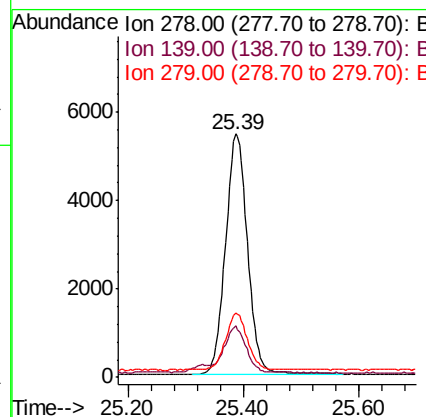
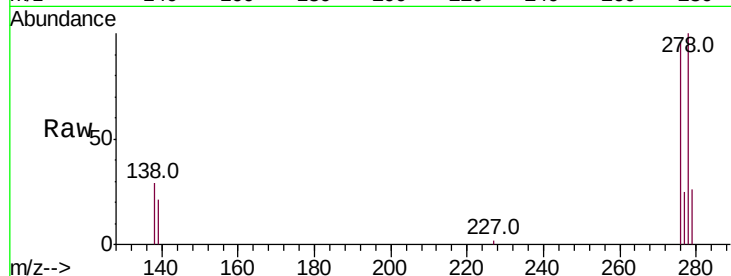


#25
Dibenzo(a,h)anthracene
Concen: 0.368 ng/ul
RT: 25.39 min Scan# 6107
Delta R.T. -0.01 min
Lab File: BN008982.D
Acq: 14 Dec 2019 00:22

Instrument :
BNA_N
ClientSampleId :
A5167MS

Tot Ion:278 Resp: 14307

Ion	Ratio	Lower	Upper
278	100		
139	21.1	17.4	26.0
279	26.2	20.5	30.7



#26
Benzo(g,h,i)perylene
Concen: 0.363 ng/ul
RT: 26.01 min Scan# 6294
Delta R.T. -0.01 min
Lab File: BN008982.D
Acq: 14 Dec 2019 00:22

Tgt Ion:276 Resp: 14621

Ion	Ratio	Lower	Upper
276	100		
138	25.7	21.9	32.9
277	24.6	19.9	29.9

