

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121319\
 Data File : BN008989.D
 Acq On : 14 Dec 2019 04:34
 Operator : JU
 Sample : K4649-08MSD
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A5169MSD

Quant Time: Dec 16 00:51:57 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 16 00:48:46 2019
 Response via : Initial Calibration

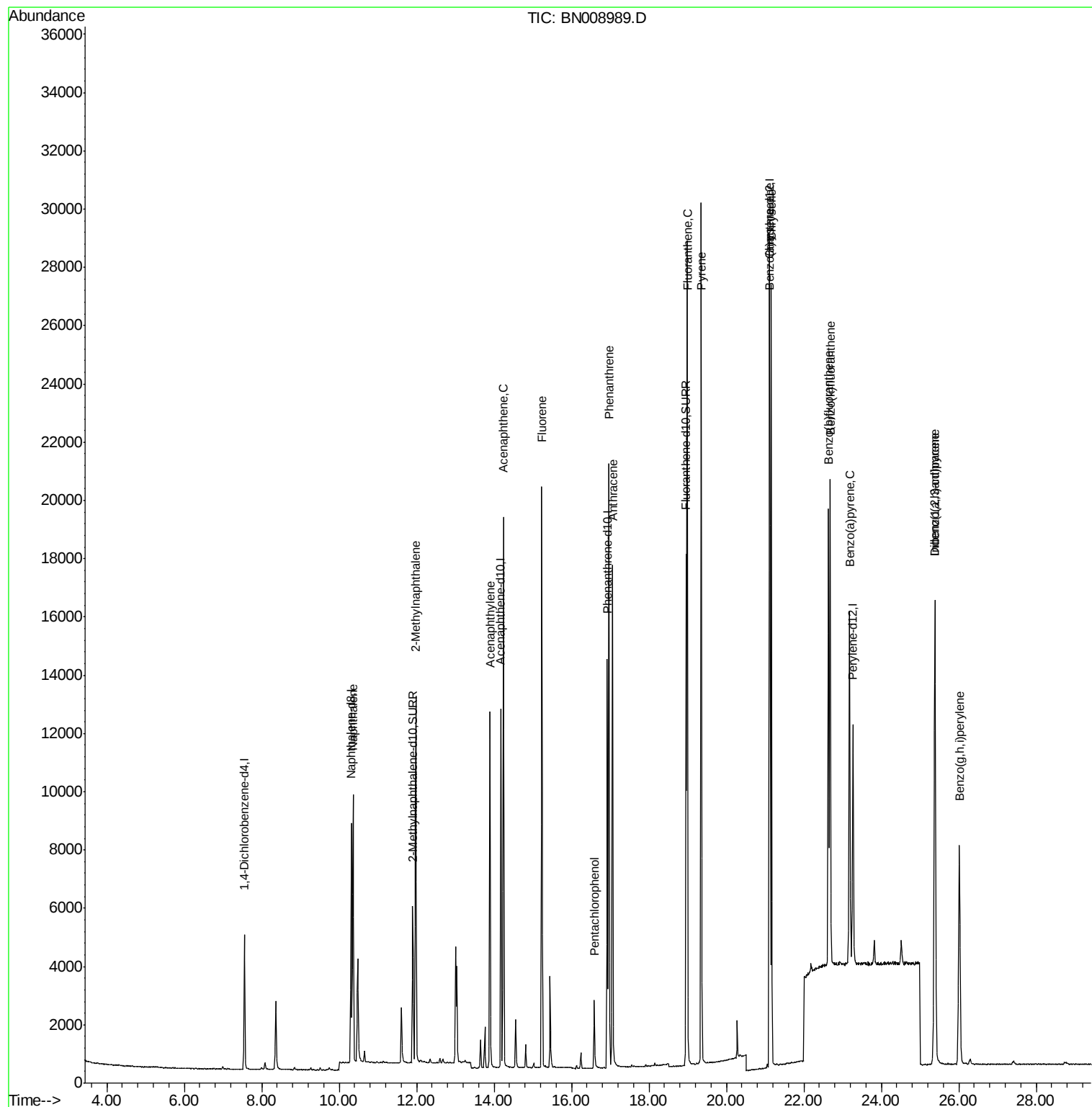
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	2302	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	10086	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	6817	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.92	188	15333	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	12175	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	10041	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.90	152	7122	0.43	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	18099	0.39	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.36	128	12070	0.397	ng/ul	100
5) 2-Methylnaphthalene	11.98	142	9175	0.432	ng/ul	100
7) Acenaphthylene	13.89	152	13494	0.358	ng/ul	99
8) Acenaphthene	14.24	153	10510	0.376	ng/ul	99
9) Fluorene	15.24	166	12415	0.378	ng/ul	100
11) Pentachlorophenol	16.59	266	1632	0.281	ng/ul	99
12) Phenanthrene	16.97	178	20947	0.405	ng/ul	100
13) Anthracene	17.06	178	18903	0.387	ng/ul	99
15) Fluoranthene	18.99	202	24125	0.380	ng/ul	98
17) Pyrene	19.35	202	24170	0.495	ng/ul	97
18) Benzo(a)anthracene	21.11	228	21892	0.447	ng/ul	99
19) Chrysene	21.16	228	21693	0.451	ng/ul	100
21) Benzo(b)fluoranthene	22.64	252	18527	0.447	ng/ul	99
22) Benzo(k)fluoranthene	22.68	252	18702	0.455	ng/ul	99
23) Benzo(a)pyrene	23.18	252	16331	0.420	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.38	276	16840	0.370	ng/ul	99
25) Dibenzo(a,h)anthracene	25.39	278	13585	0.370	ng/ul	99
26) Benzo(g,h,i)perylene	26.02	276	14021	0.369	ng/ul	98

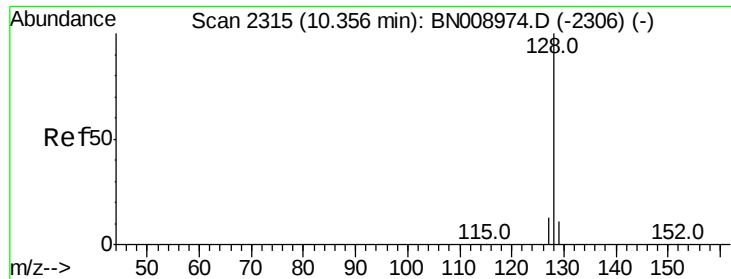
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 16 00:51:57 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 16 00:48:46 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.397 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. -0.00 min

Lab File: BN008989.D

Acq: 14 Dec 2019 04:34

Instrument :

BNA_N

ClientSampleId :

A5169MSD

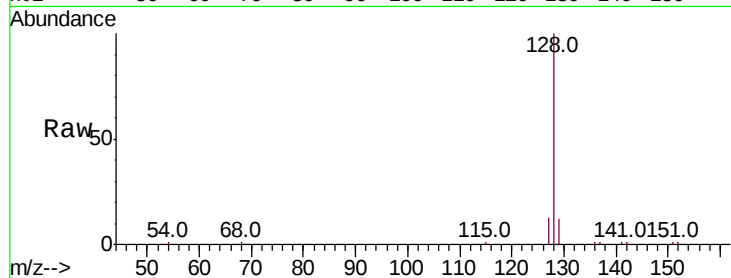
Tot Ion:128 Resp: 12070

Ion Ratio Lower Upper

128 100

129 11.6 9.1 13.7

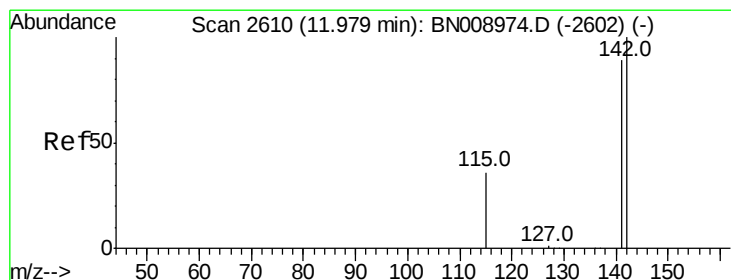
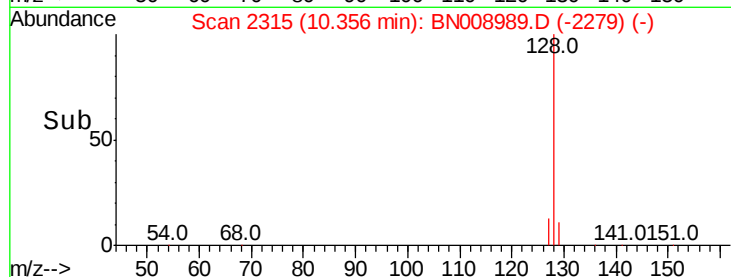
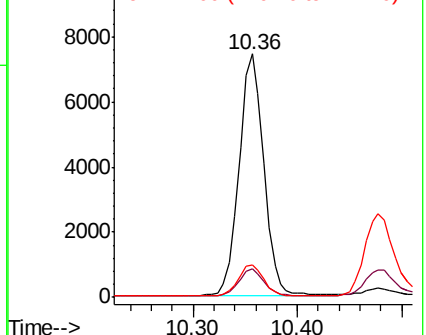
127 13.3 10.7 16.1



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: 0.432 ng/ul

RT: 11.98 min Scan# 2610

Delta R.T. -0.00 min

Lab File: BN008989.D

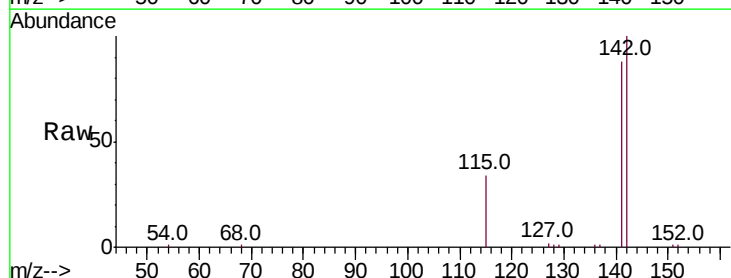
Acq: 14 Dec 2019 04:34

Tgt Ion:142 Resp: 9175

Ion Ratio Lower Upper

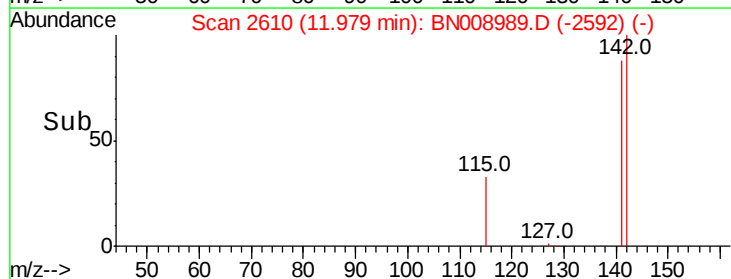
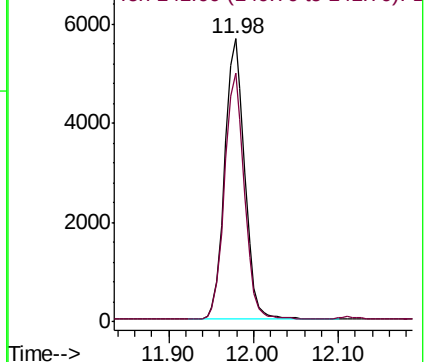
142 100

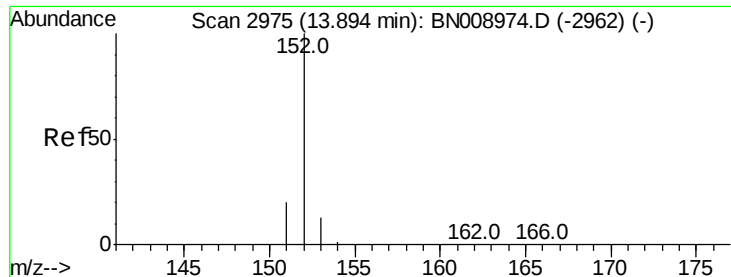
141 87.3 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.358 ng/ul

RT: 13.89 min Scan# 2975

Delta R.T. -0.00 min

Lab File: BN008989.D

Acq: 14 Dec 2019 04:34

Instrument :

BNA_N

ClientSampleId :

A5169MSD

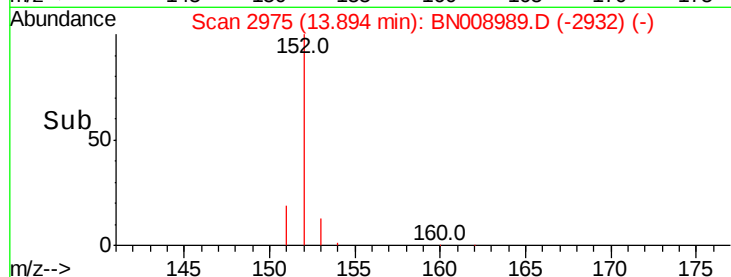
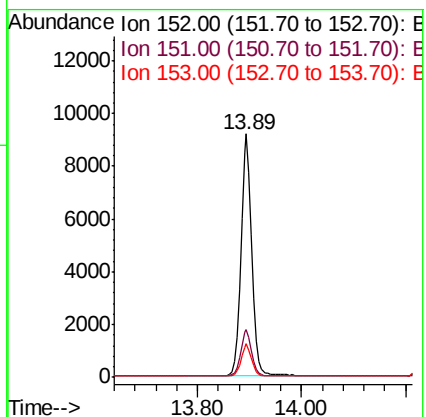
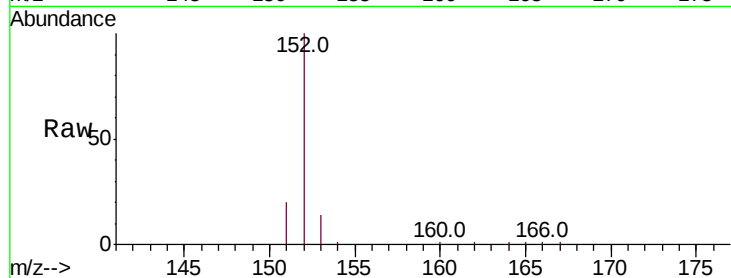
Tot Ion:152 Resp: 13494

Ion Ratio Lower Upper

152 100

151 19.5 15.8 23.6

153 13.6 10.6 15.8



#8

Acenaphthene

Concen: 0.376 ng/ul

RT: 14.24 min Scan# 3050

Delta R.T. -0.00 min

Lab File: BN008989.D

Acq: 14 Dec 2019 04:34

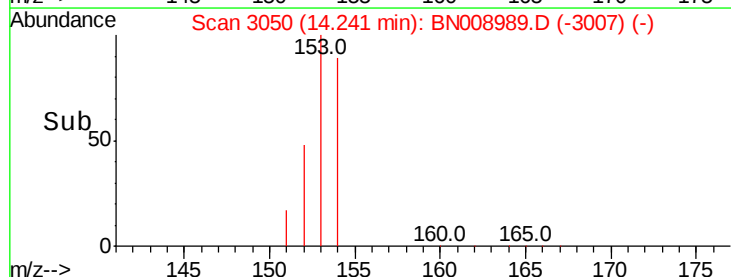
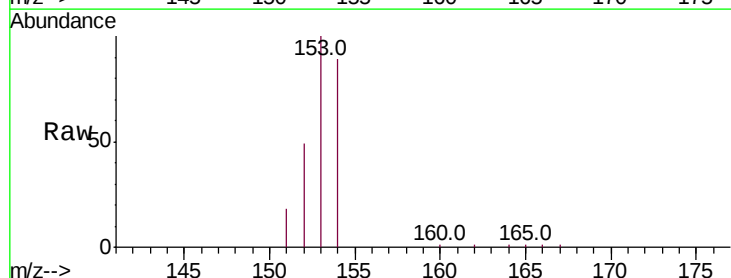
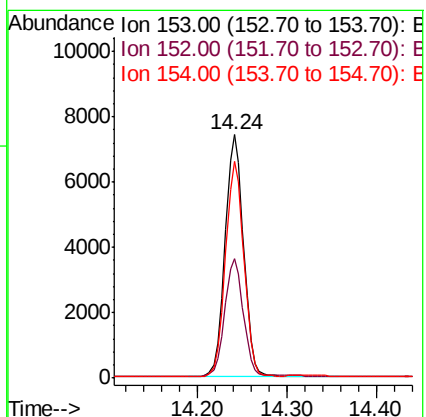
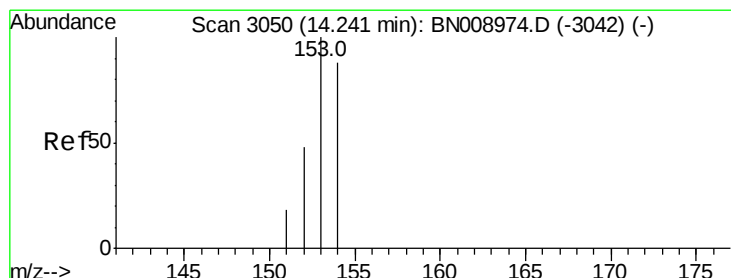
Tgt Ion:153 Resp: 10510

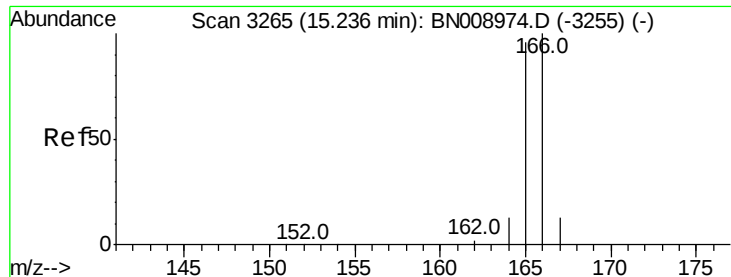
Ion Ratio Lower Upper

153 100

152 49.0 38.6 58.0

154 89.1 70.6 105.8





#9

Fluorene

Concen: 0.378 ng/ul

RT: 15.24 min Scan# 3265

Delta R.T. -0.00 min

Lab File: BN008989.D

Acq: 14 Dec 2019 04:34

Instrument :

BNA_N

ClientSampleId :

A5169MSD

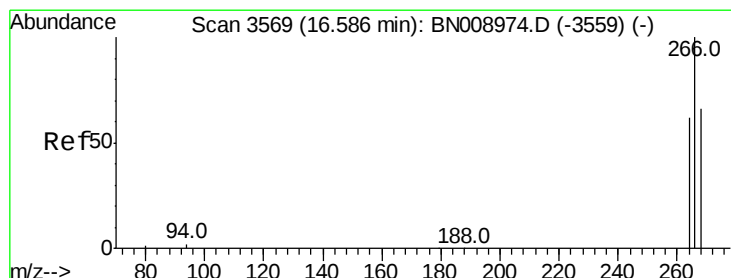
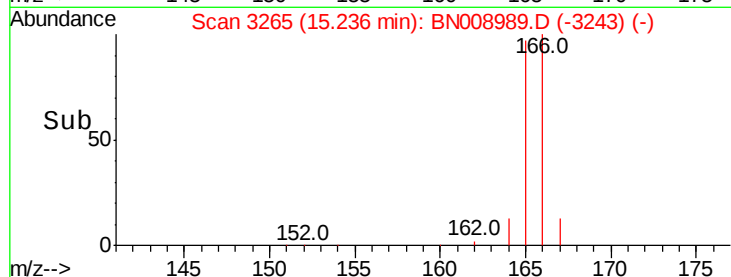
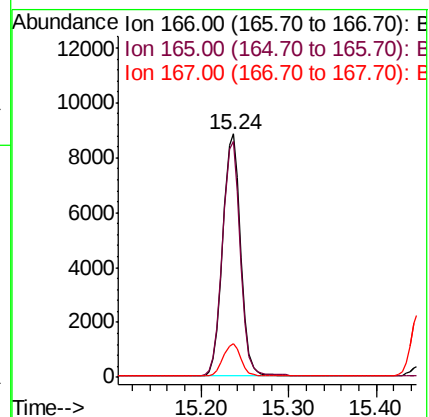
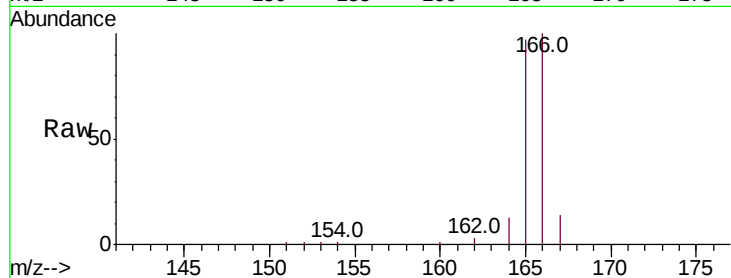
Tot Ion:166 Resp: 12415

Ion Ratio Lower Upper

166 100

165 97.1 77.7 116.5

167 13.9 11.1 16.7



#11

Pentachlorophenol

Concen: 0.281 ng/ul

RT: 16.59 min Scan# 3569

Delta R.T. -0.00 min

Lab File: BN008989.D

Acq: 14 Dec 2019 04:34

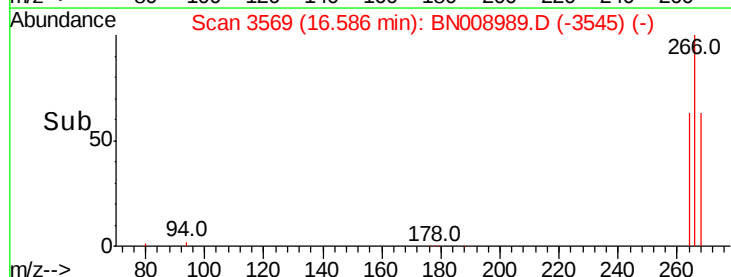
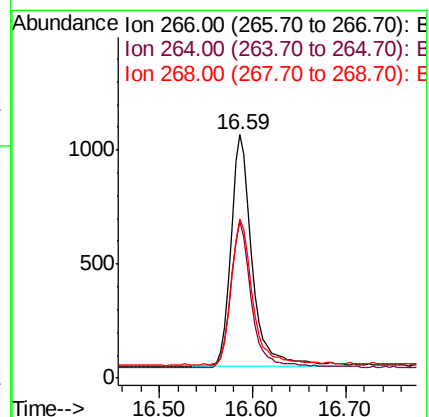
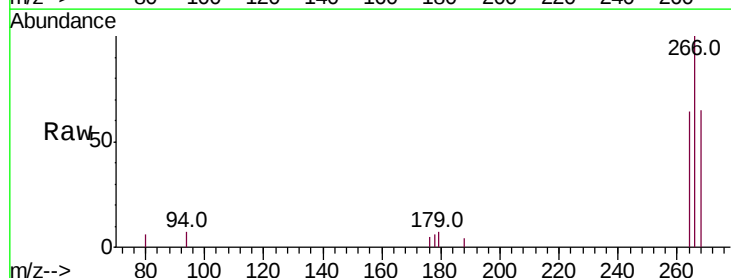
Tgt Ion:266 Resp: 1632

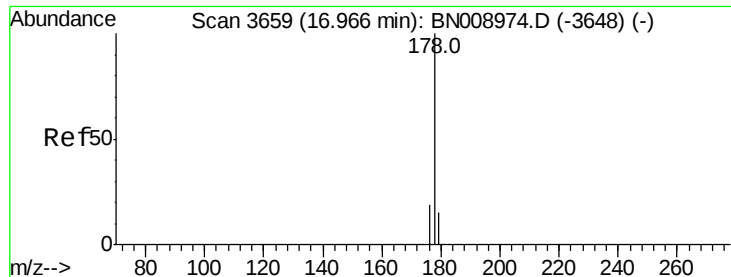
Ion Ratio Lower Upper

266 100

264 62.6 50.4 75.6

268 64.9 52.2 78.4





#12

Phenanthrene

Concen: 0.405 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. -0.00 min

Lab File: BN008989.D

Acq: 14 Dec 2019 04:34

Instrument :

BNA_N

ClientSampleId :

A5169MSD

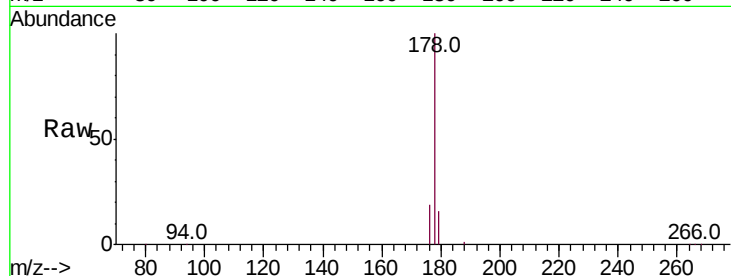
Tot Ion:178 Resp: 20947

Ion Ratio Lower Upper

178 100

179 15.7 12.6 18.8

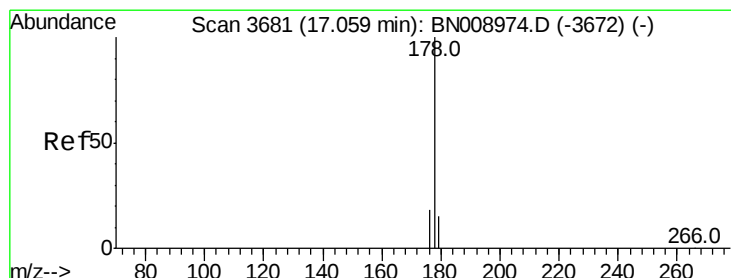
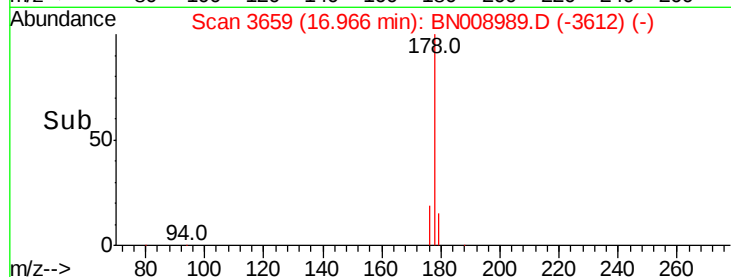
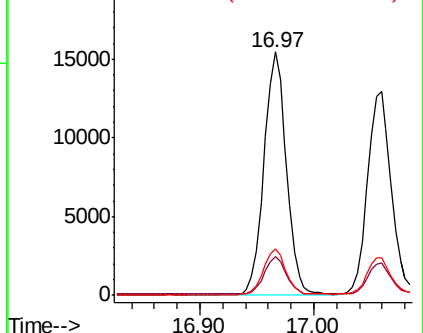
176 19.2 15.3 22.9



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: 0.387 ng/ul

RT: 17.06 min Scan# 3681

Delta R.T. -0.00 min

Lab File: BN008989.D

Acq: 14 Dec 2019 04:34

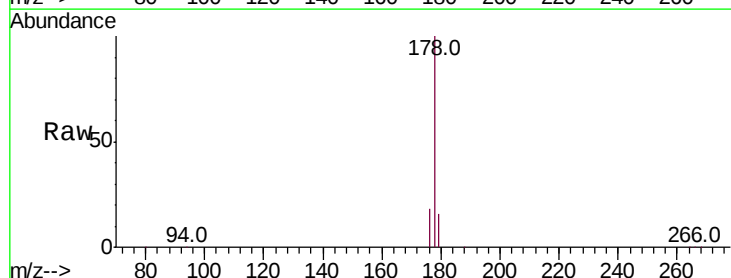
Tgt Ion:178 Resp: 18903

Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.4

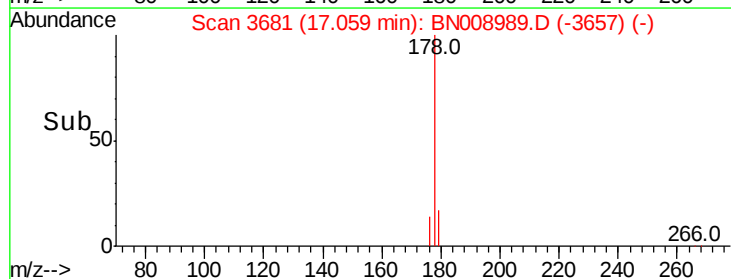
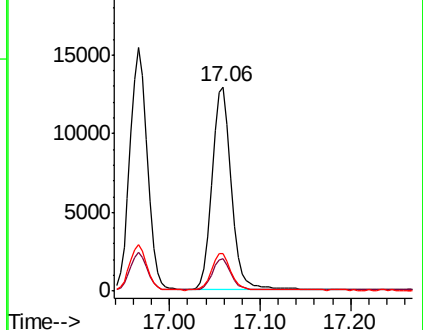
176 18.4 14.7 22.1

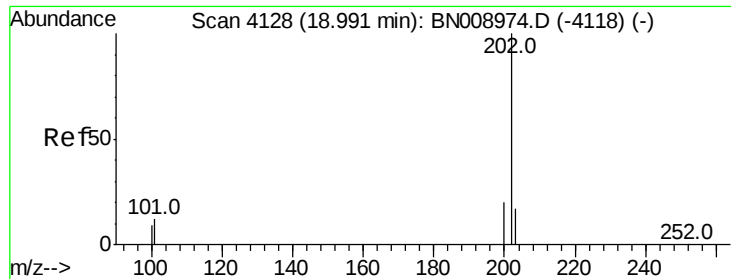


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

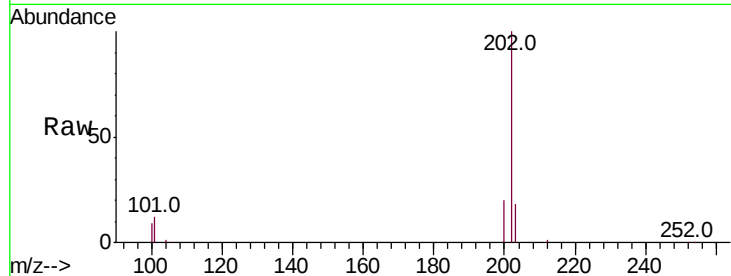




#15
Fluoranthene
 Concen: 0.380 ng/ul
 RT: 18.99 min Scan# 4128
 Delta R.T. -0.00 min
 Lab File: BN008989.D
 Acq: 14 Dec 2019 04:34

Instrument :
 BNA_N
 ClientSampleId :
 A5169MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.4
100	8.7	0.0	29.2

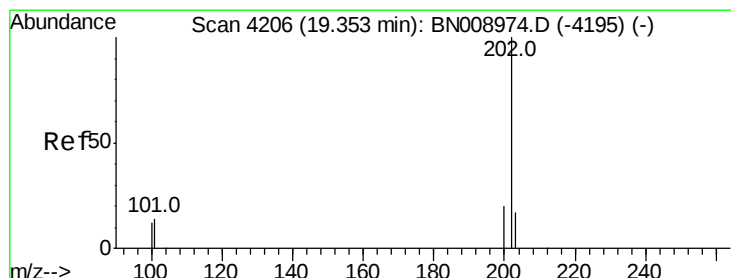
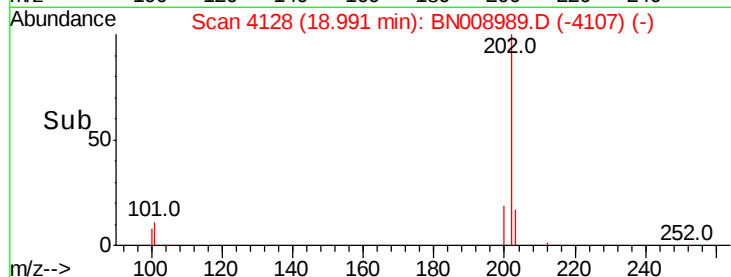
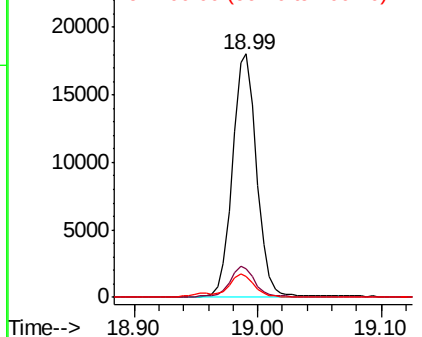


Abundance

Ion 202.00 (201.70 to 202.70): E

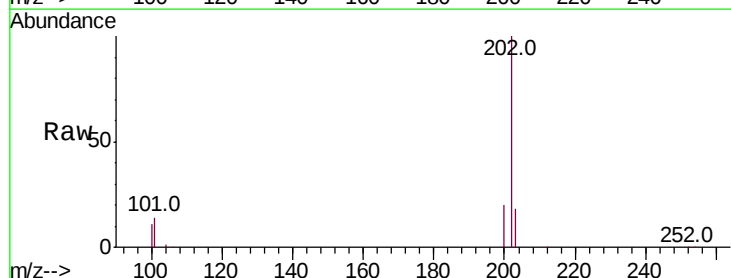
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17
Pyrene
 Concen: 0.495 ng/ul
 RT: 19.35 min Scan# 4206
 Delta R.T. -0.00 min
 Lab File: BN008989.D
 Acq: 14 Dec 2019 04:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	12.2	18.4
100	10.9	9.5	14.3

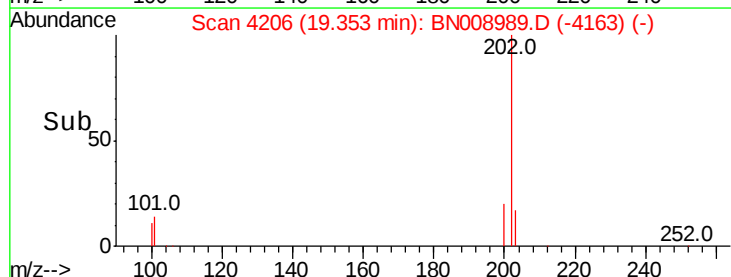
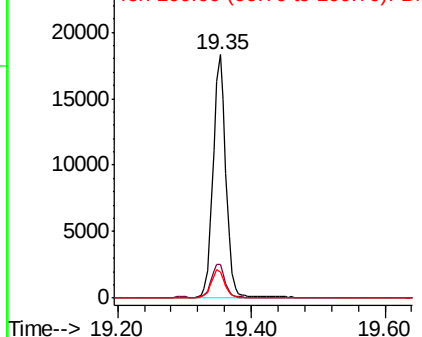


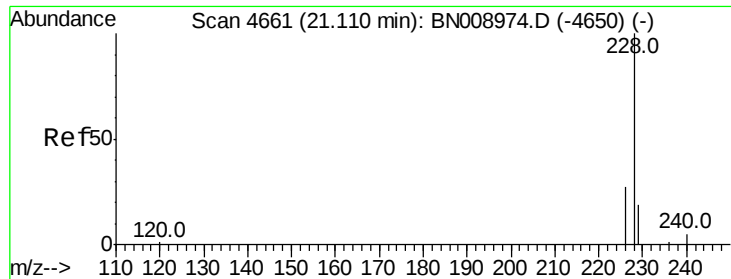
Abundance

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: 0.447 ng/ul

RT: 21.11 min Scan# 4661

Delta R.T. -0.00 min

Lab File: BN008989.D

Acq: 14 Dec 2019 04:34

Instrument :

BNA_N

ClientSampleId :

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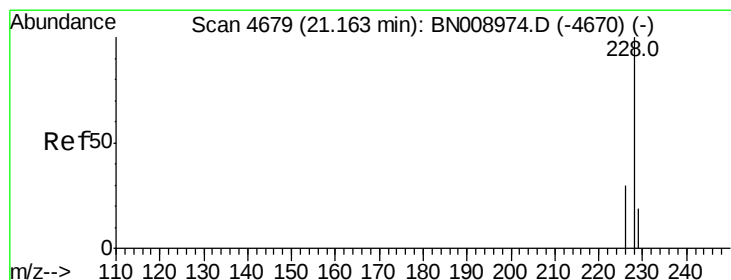
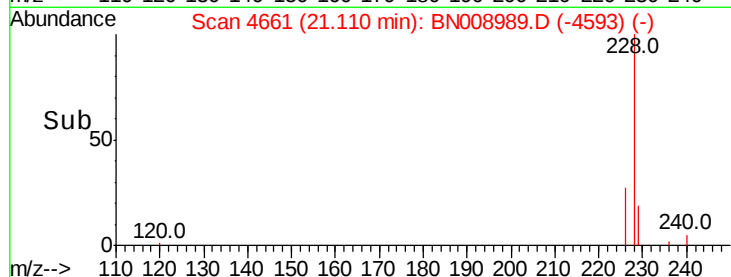
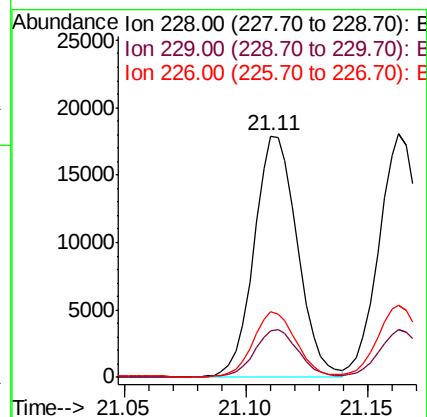
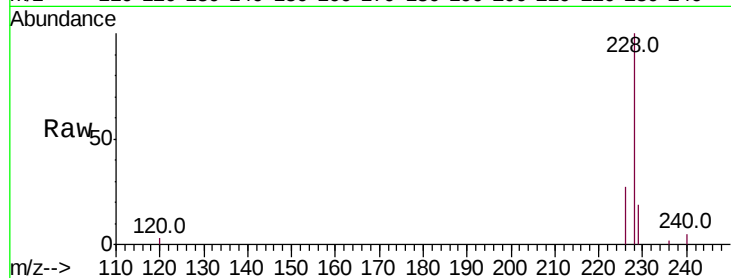
Tot Ion:228 Resp: 21892

Ion Ratio Lower Upper

228 100

229 19.3 15.7 23.5

226 27.3 21.5 32.3



#19

Chrysene

Concen: 0.451 ng/ul

RT: 21.16 min Scan# 4679

Delta R.T. -0.00 min

Lab File: BN008989.D

Acq: 14 Dec 2019 04:34

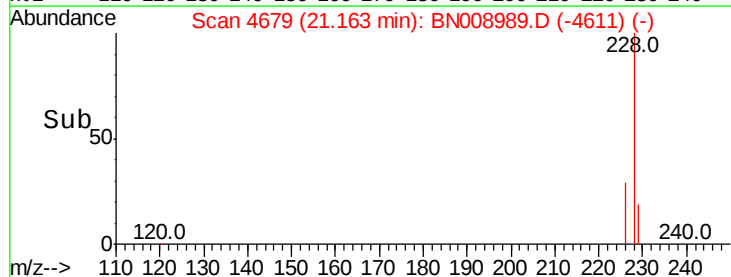
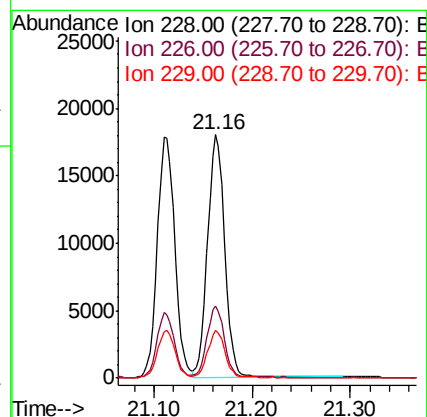
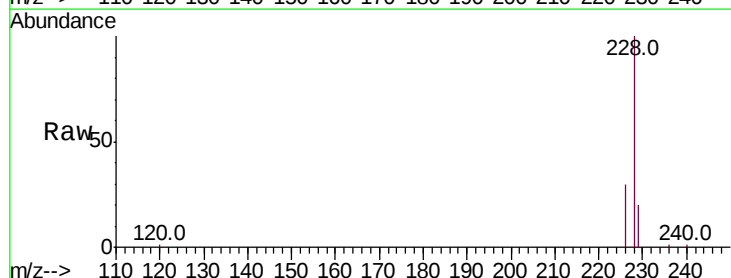
Tgt Ion:228 Resp: 21693

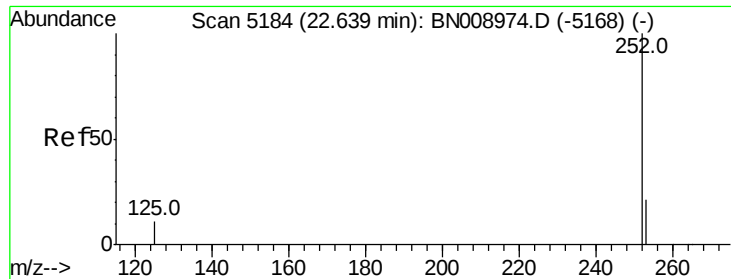
Ion Ratio Lower Upper

228 100

226 29.5 23.8 35.6

229 19.7 15.6 23.4





#21

Benzo(b)fluoranthene

Concen: 0.447 ng/ul

RT: 22.64 min Scan# 5184

Delta R.T. -0.00 min

Lab File: BN008989.D

Acq: 14 Dec 2019 04:34

Instrument :

BNA_N

ClientSampleId :

A5169MSD

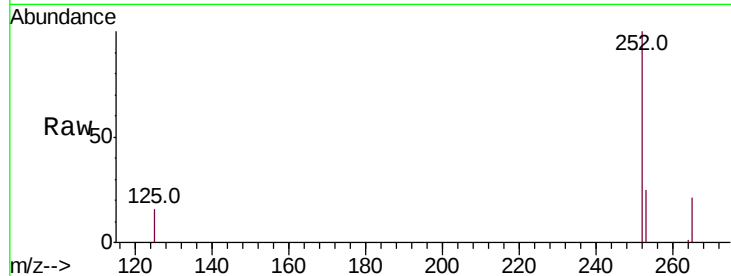
Tot Ion:252 Resp: 18527

Ion Ratio Lower Upper

252 100

253 25.0 0.0 48.6

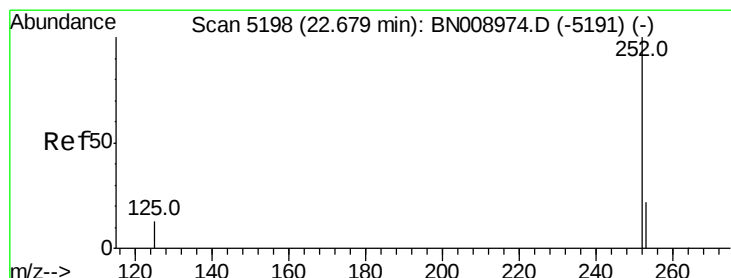
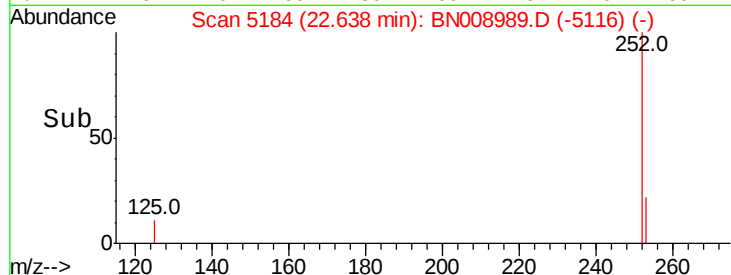
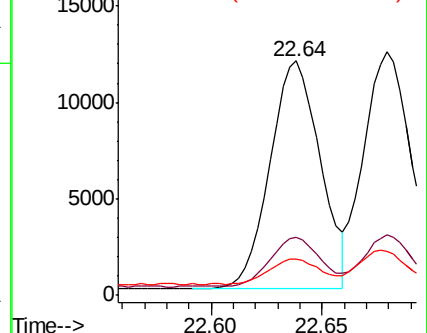
125 15.6 0.0 31.6



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: 0.455 ng/ul

RT: 22.68 min Scan# 5198

Delta R.T. -0.00 min

Lab File: BN008989.D

Acq: 14 Dec 2019 04:34

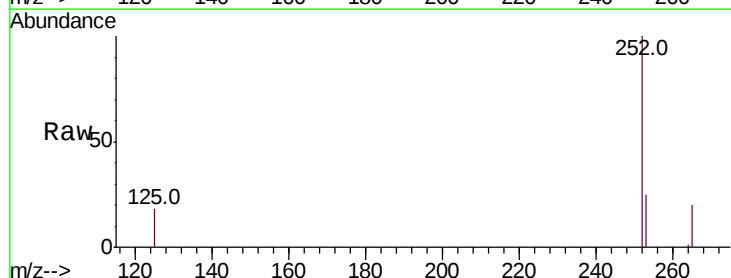
Tgt Ion:252 Resp: 18702

Ion Ratio Lower Upper

252 100

253 25.0 19.6 29.4

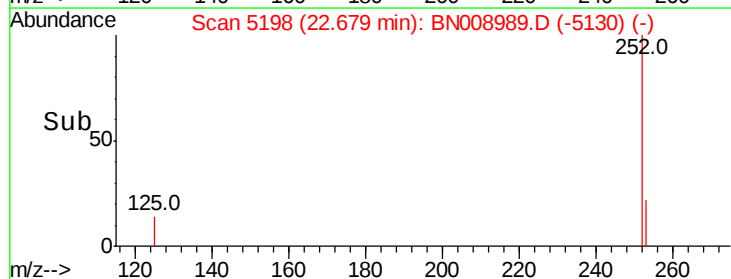
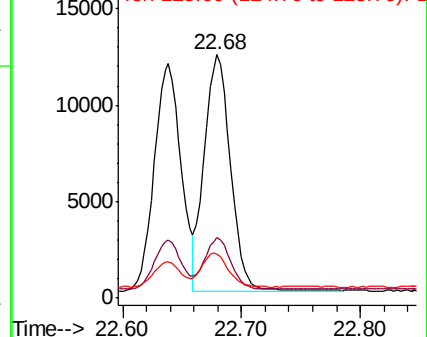
125 18.1 13.8 20.6

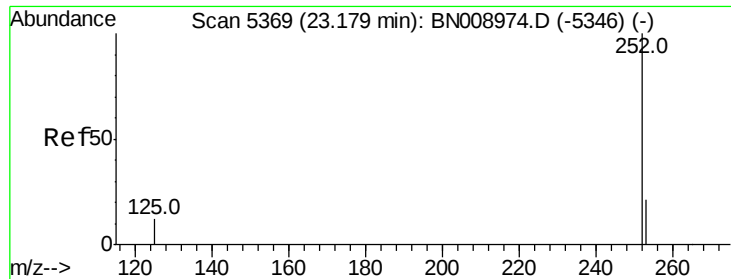


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.420 ng/u1

RT: 23.18 min Scan# 5369

Delta R.T. -0.00 min

Lab File: BN008989.D

Acq: 14 Dec 2019 04:34

Instrument :

BNA_N

ClientSampleId :

A5169MSD

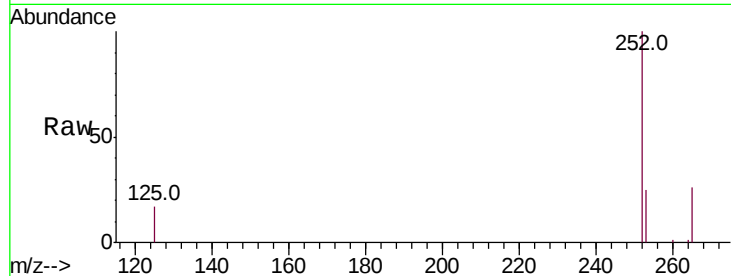
Tot Ion:252 Resp: 16331

Ion Ratio Lower Upper

252 100

253 25.4 19.9 29.9

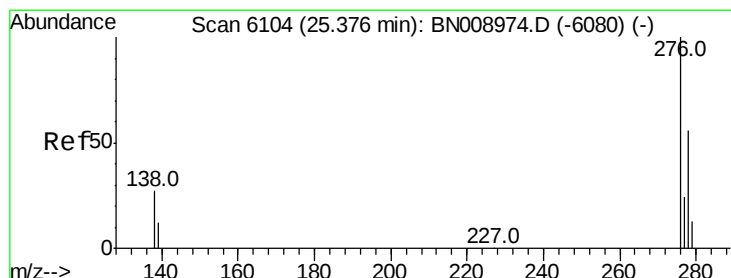
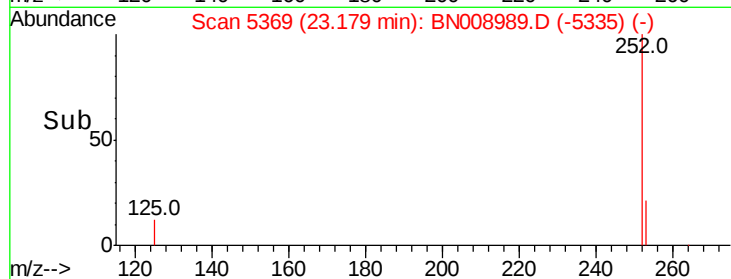
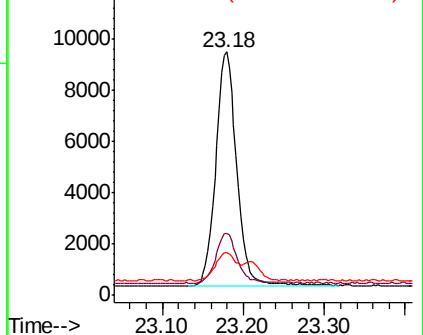
125 17.4 14.6 22.0



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: 0.370 ng/u1

RT: 25.38 min Scan# 6105

Delta R.T. 0.00 min

Lab File: BN008989.D

Acq: 14 Dec 2019 04:34

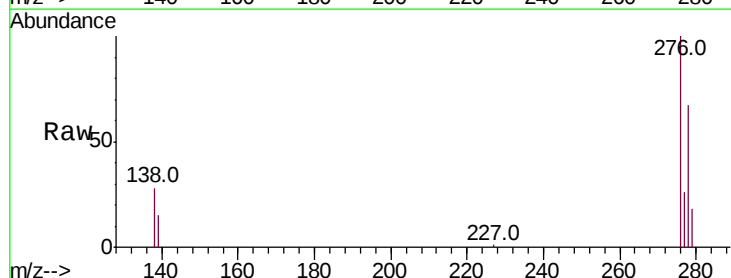
Tgt Ion:276 Resp: 16840

Ion Ratio Lower Upper

276 100

138 28.9 23.8 35.6

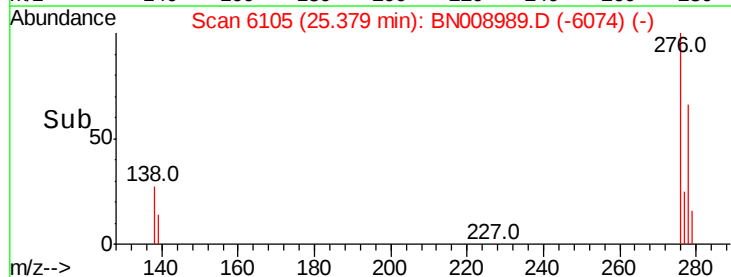
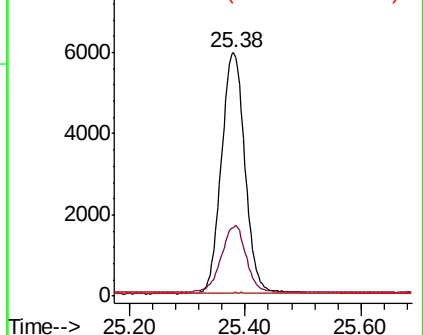
227 0.2 0.2 0.2

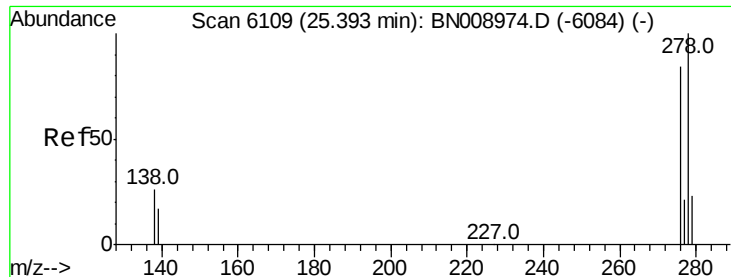


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



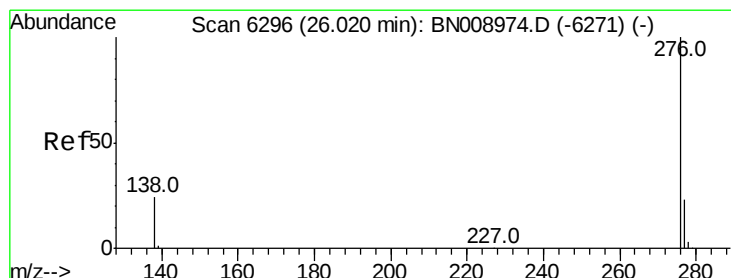
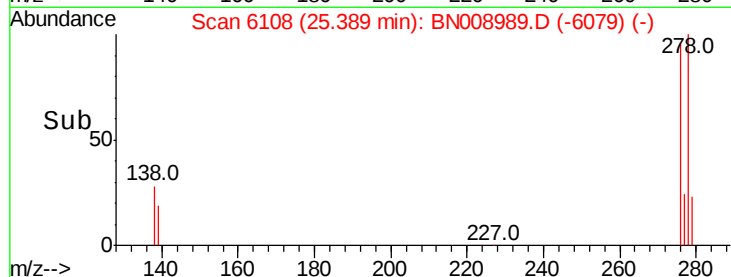
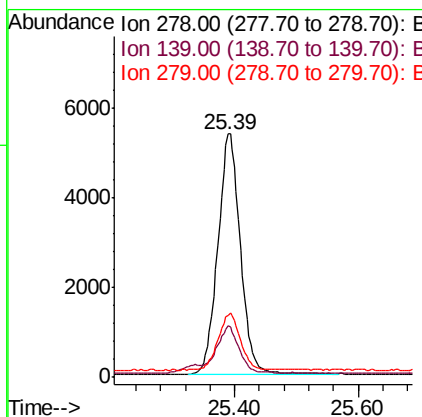
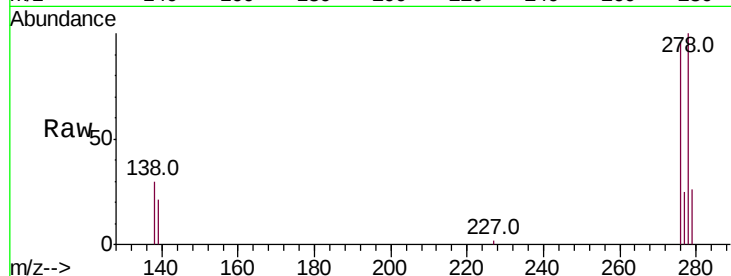


#25
Dibenzo(a,h)anthracene
Concen: 0.370 ng/ul
RT: 25.39 min Scan# 6108
Delta R.T. -0.00 min
Lab File: BN008989.D
Acq: 14 Dec 2019 04:34

Instrument :
BNA_N
ClientSampleId :
A5169MSD

Tot Ion:278 Resp: 13585

Ion	Ratio	Lower	Upper
278	100		
139	21.2	17.4	26.0
279	25.7	20.5	30.7



#26
Benzo(g,h,i)perylene
Concen: 0.369 ng/ul
RT: 26.02 min Scan# 6295
Delta R.T. -0.00 min
Lab File: BN008989.D
Acq: 14 Dec 2019 04:34

Tgt Ion:276 Resp: 14021

Ion	Ratio	Lower	Upper
276	100		
138	26.0	21.9	32.9
277	24.7	19.9	29.9

