

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009199.D
 Acq On : 27 Dec 2019 17:52
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 27 23:07:09 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 : Tue Dec 24 06:49:13 2019
 Response via : Initial Calibration

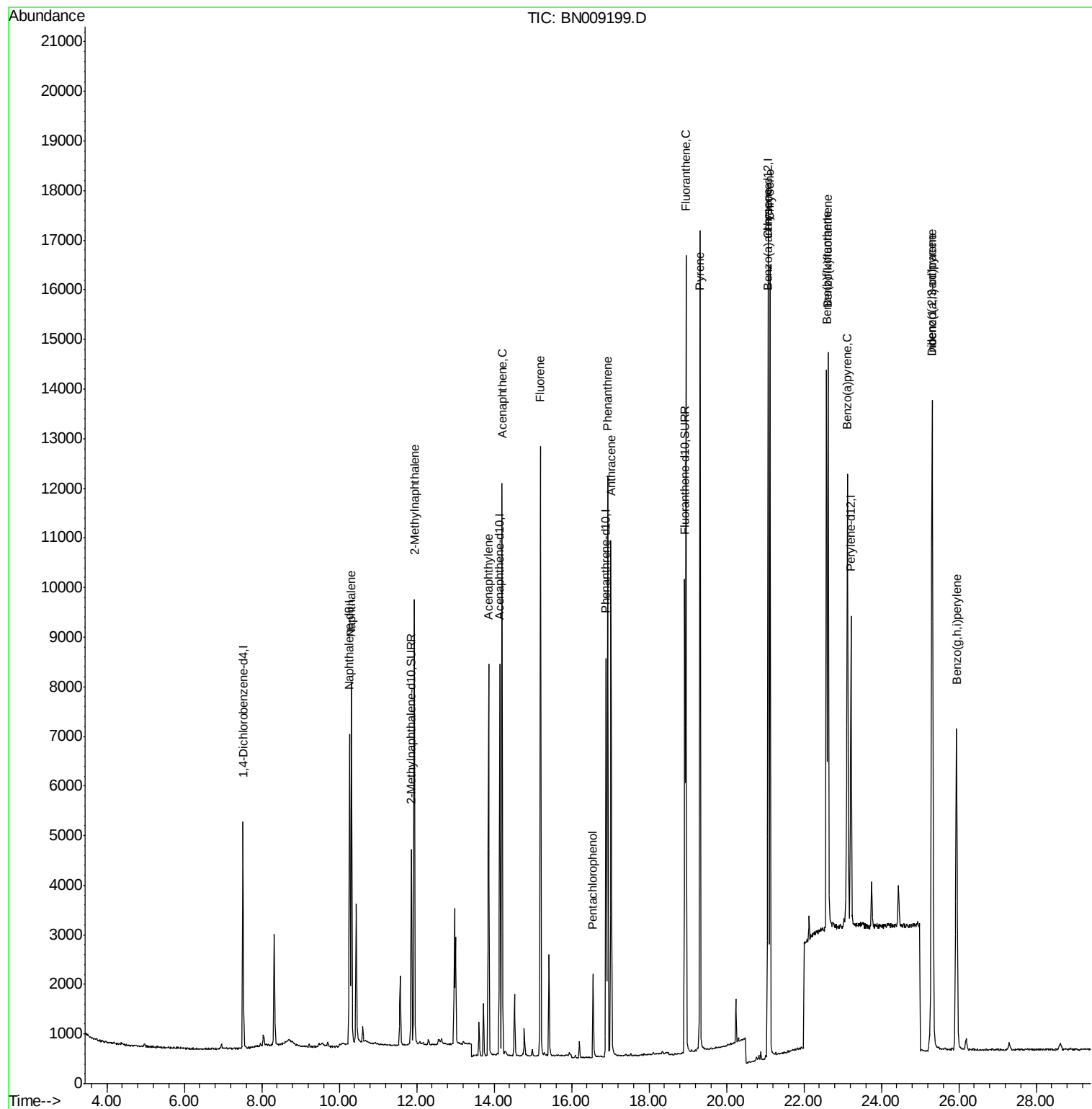
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2201	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.27	136	7740	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.14	164	4207	0.40	ng/ul	-0.02
10) Phenanthrene-d10	16.89	188	8832	0.40	ng/ul	-0.02
16) Chrysene-d12	21.09	240	7625	0.40	ng/ul	-0.02
20) Perylene-d12	23.21	264	7368	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	5136	0.37	ng/ul	-0.02
14) Fluoranthene-d10	18.93	212	10329	0.40	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.32	128	9560	0.407	ng/ul	99
5) 2-Methylnaphthalene	11.94	142	6487	0.366	ng/ul	100
7) Acenaphthylene	13.86	152	8848	0.400	ng/ul	99
8) Acenaphthene	14.20	153	6630	0.382	ng/ul	98
9) Fluorene	15.20	166	7461	0.364	ng/ul	99
11) Pentachlorophenol	16.56	266	1152	0.489	ng/ul	100
12) Phenanthrene	16.93	178	12201	0.397	ng/ul	100
13) Anthracene	17.02	178	11373	0.413	ng/ul	99
15) Fluoranthene	18.96	202	13852	0.394	ng/ul	100
17) Pyrene	19.32	202	13996	0.360	ng/ul	99
18) Benzo(a)anthracene	21.07	228	13465	0.398	ng/ul	99
19) Chrysene	21.12	228	13388	0.393	ng/ul	99
21) Benzo(b)fluoranthene	22.59	252	13334	0.388	ng/ul	98
22) Benzo(k)fluoranthene	22.63	252	14011	0.404	ng/ul	97
23) Benzo(a)pyrene	23.13	252	12343	0.409	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.31	276	14442	0.440	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.32	278	11679	0.447	ng/ul	98
26) Benzo(g,h,i)perylene	25.94	276	12383	0.448	ng/ul	99

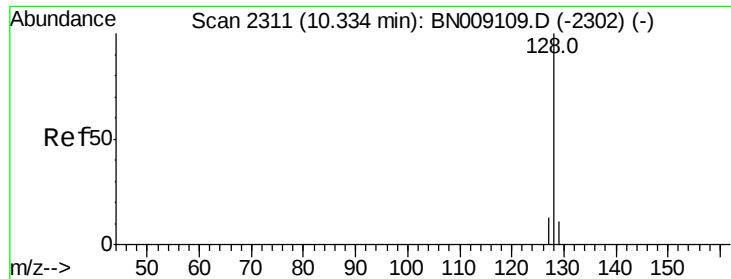
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.407 ng/ul

RT: 10.32 min Scan# 2308

Delta R.T. -0.02 min

Lab File: BN009199.D

Acq: 27 Dec 2019 17:52

Instrument :

BNA_N

ClientSampleId :

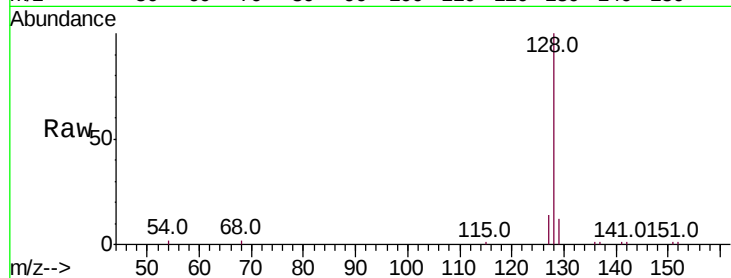
Tot Ion:128 Resp: 9560

Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.4

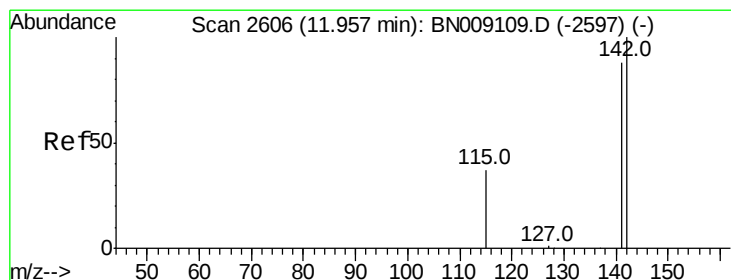
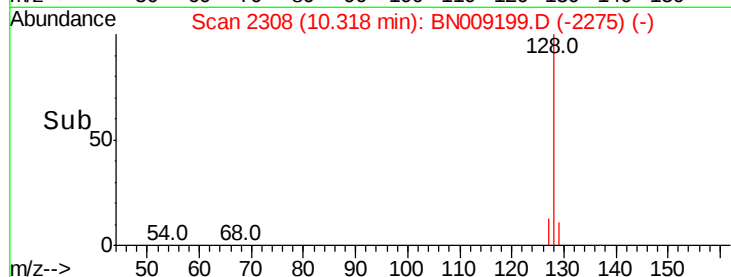
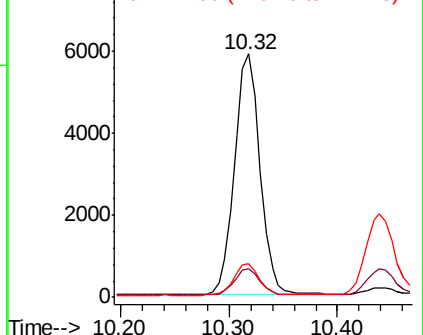
127 13.6 10.9 16.3



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: 0.366 ng/ul

RT: 11.94 min Scan# 2603

Delta R.T. -0.02 min

Lab File: BN009199.D

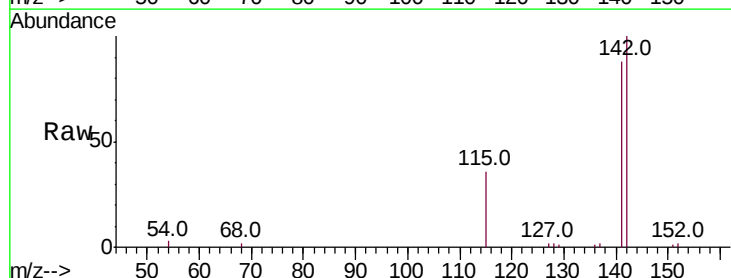
Acq: 27 Dec 2019 17:52

Tgt Ion:142 Resp: 6487

Ion Ratio Lower Upper

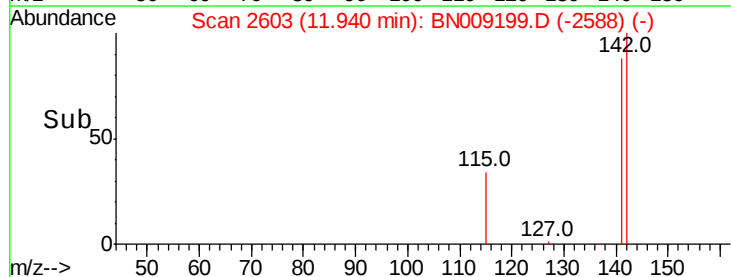
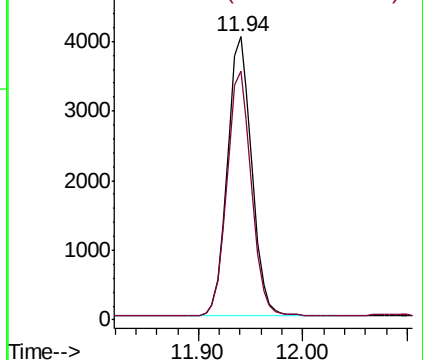
142 100

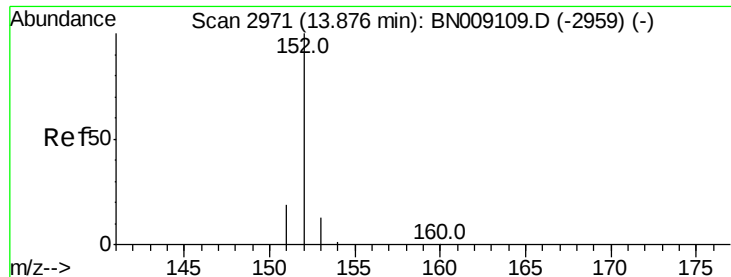
141 88.2 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.400 ng/ul

RT: 13.86 min Scan# 2967

Delta R.T. -0.02 min

Lab File: BN009199.D

Acq: 27 Dec 2019 17:52

Instrument :

BNA_N

ClientSampleId :

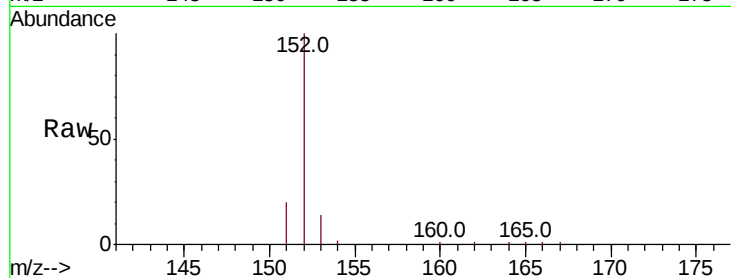
Tot Ion:152 Resp: 8848

Ion Ratio Lower Upper

152 100

151 19.8 15.7 23.5

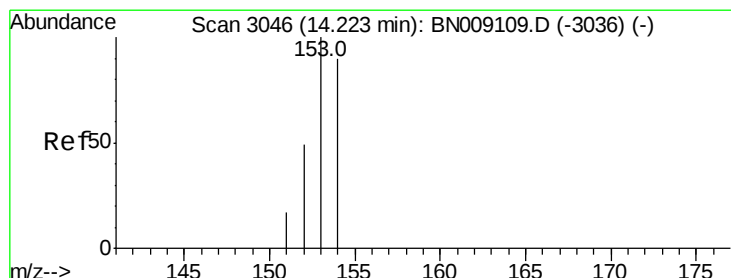
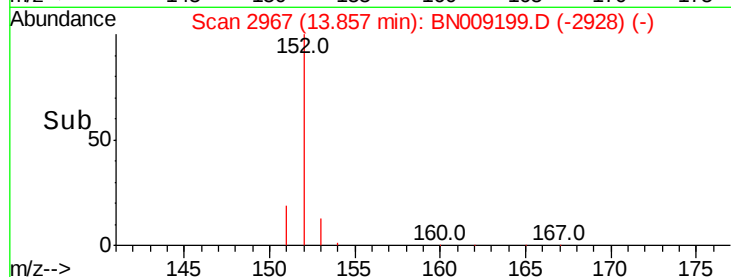
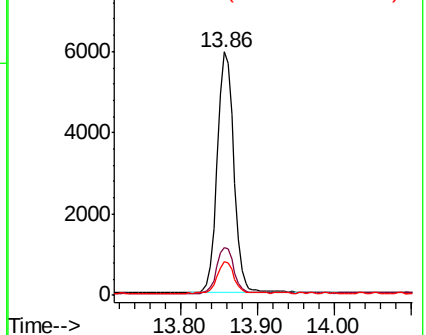
153 14.1 10.8 16.2



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: 0.382 ng/ul

RT: 14.20 min Scan# 3042

Delta R.T. -0.02 min

Lab File: BN009199.D

Acq: 27 Dec 2019 17:52

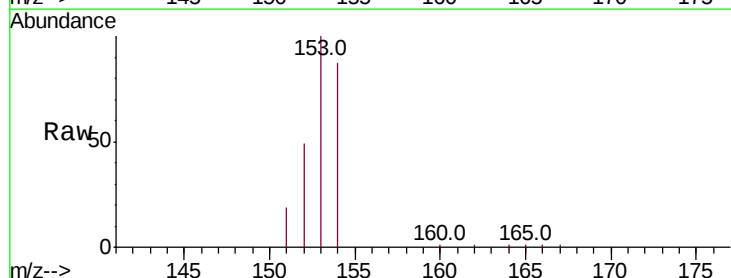
Tgt Ion:153 Resp: 6630

Ion Ratio Lower Upper

153 100

152 48.8 39.5 59.3

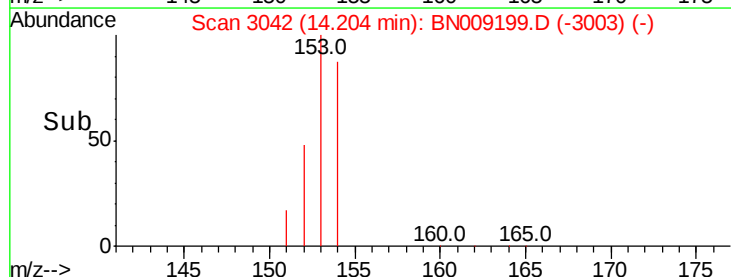
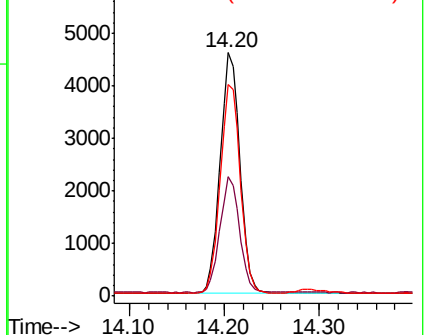
154 86.7 71.3 106.9

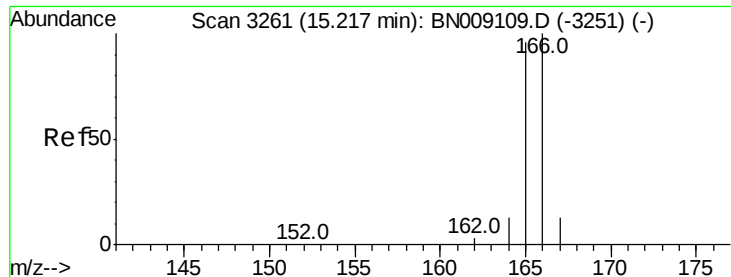


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.364 ng/ul

RT: 15.20 min Scan# 3257

Delta R.T. -0.02 min

Lab File: BN009199.D

Acq: 27 Dec 2019 17:52

Instrument :

BNA_N

ClientSampleId :

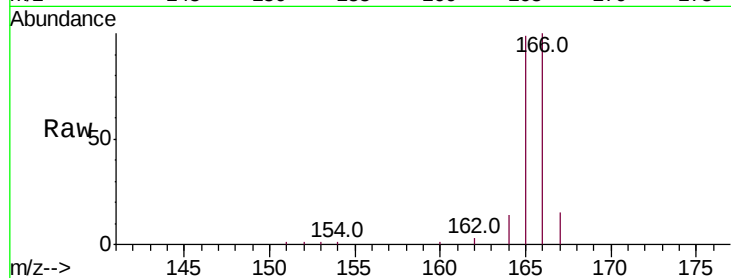
Tot Ion:166 Resp: 7461

Ion Ratio Lower Upper

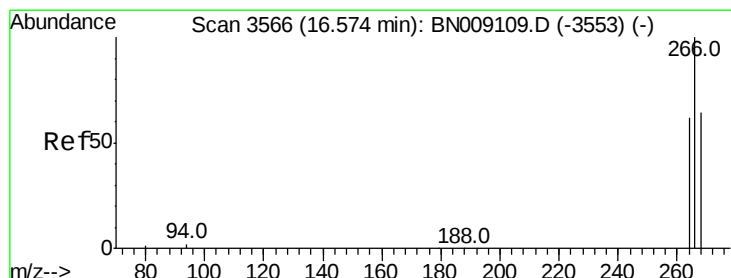
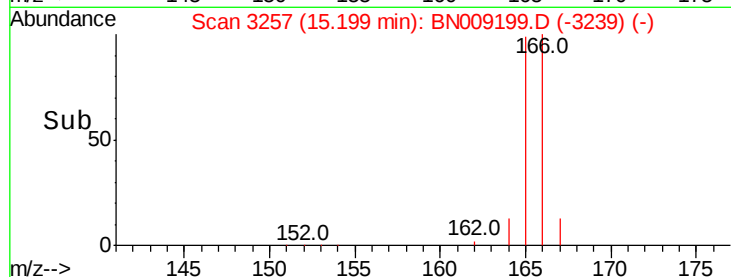
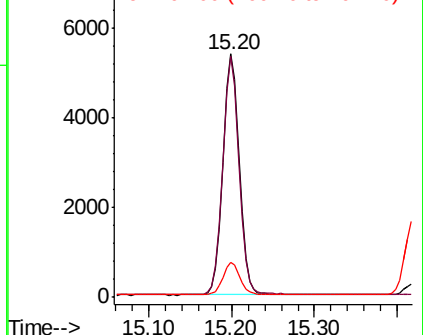
166 100

165 98.7 78.2 117.4

167 14.5 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



#11

Pentachlorophenol

Concen: 0.489 ng/ul

RT: 16.56 min Scan# 3562

Delta R.T. -0.02 min

Lab File: BN009199.D

Acq: 27 Dec 2019 17:52

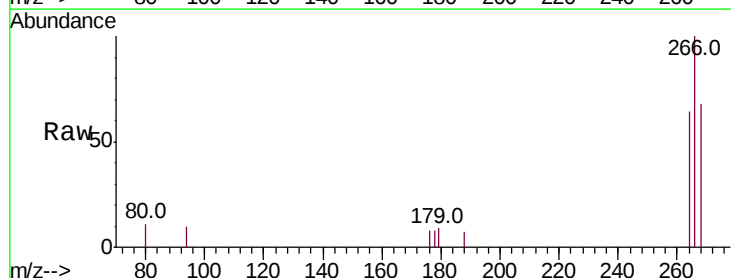
Tgt Ion:266 Resp: 1152

Ion Ratio Lower Upper

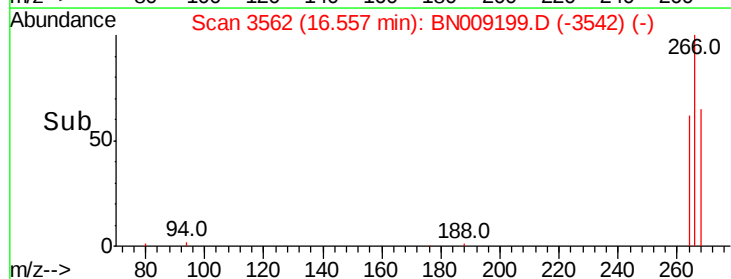
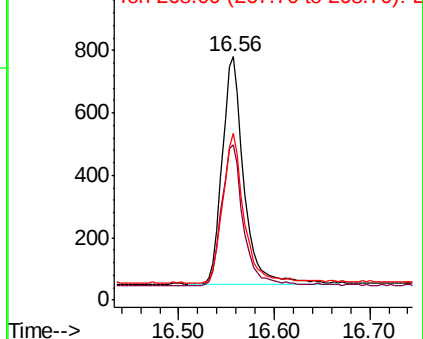
266 100

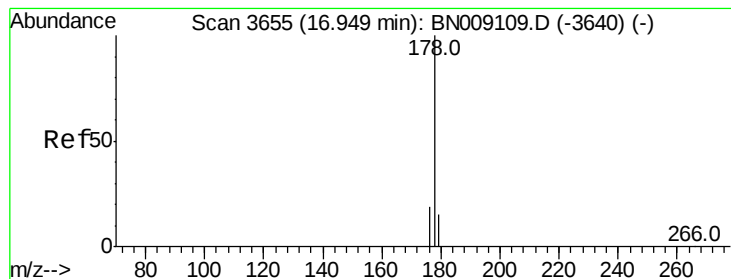
264 62.8 49.9 74.9

268 65.2 52.1 78.1



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: 0.397 ng/ul

RT: 16.93 min Scan# 3651

Delta R.T. -0.02 min

Lab File: BN009199.D

Acq: 27 Dec 2019 17:52

Instrument :

BNA_N

ClientSampleId :

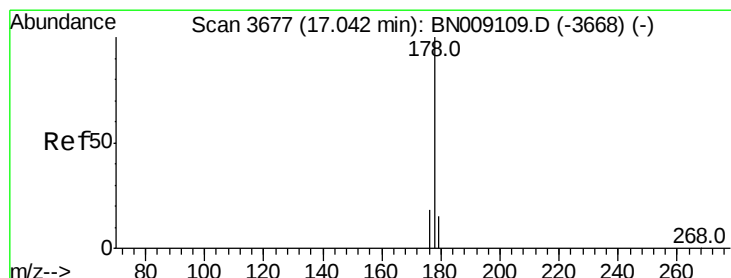
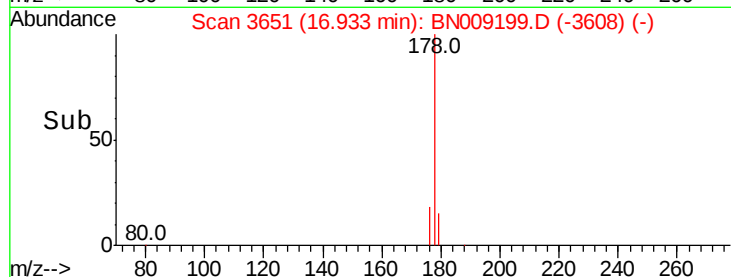
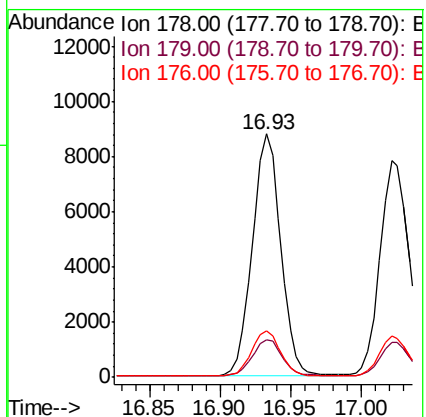
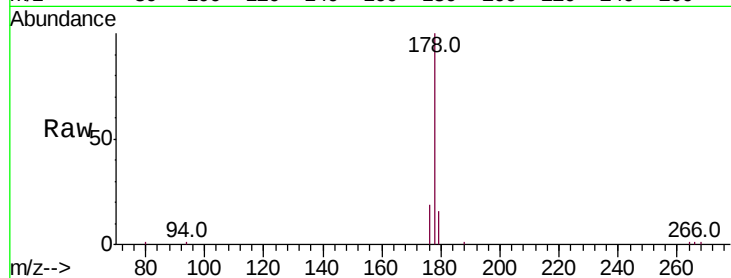
Tot Ion:178 Resp: 12201

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

176 18.9 15.1 22.7



#13

Anthracene

Concen: 0.413 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. -0.02 min

Lab File: BN009199.D

Acq: 27 Dec 2019 17:52

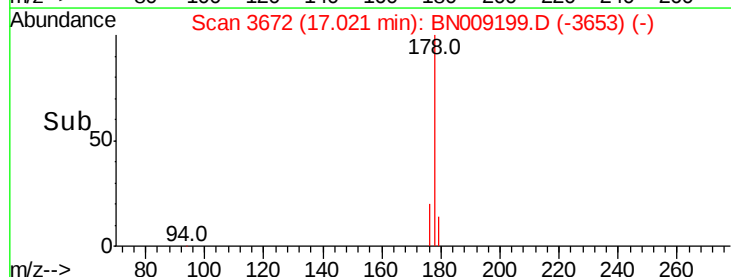
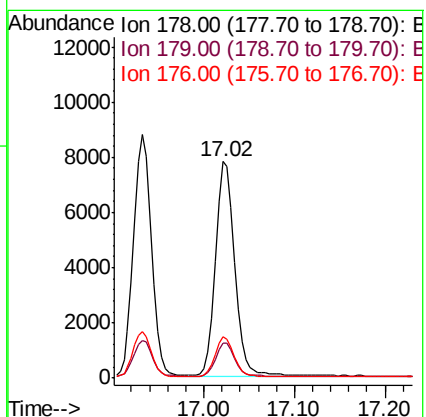
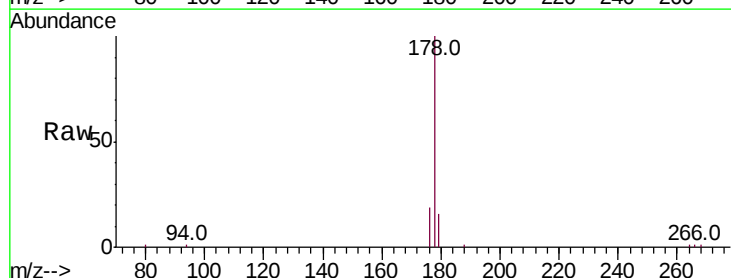
Tgt Ion:178 Resp: 11373

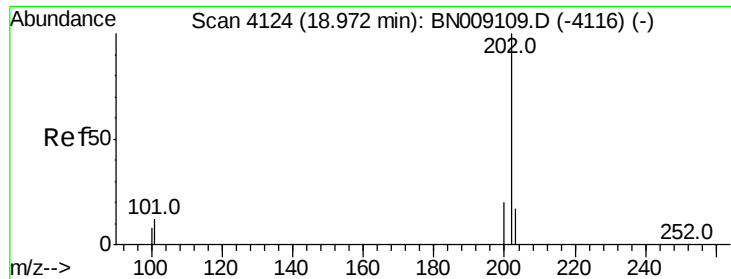
Ion Ratio Lower Upper

178 100

179 16.0 12.5 18.7

176 18.9 14.9 22.3

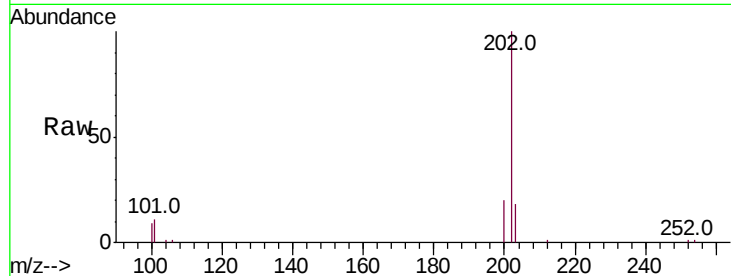




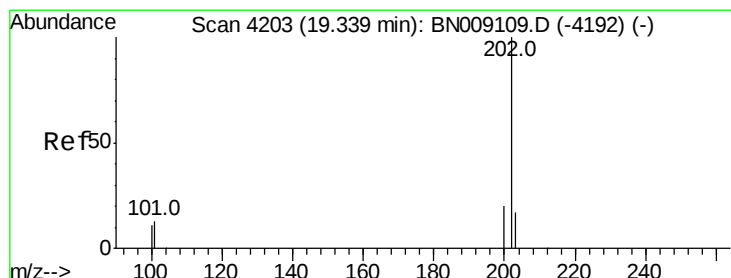
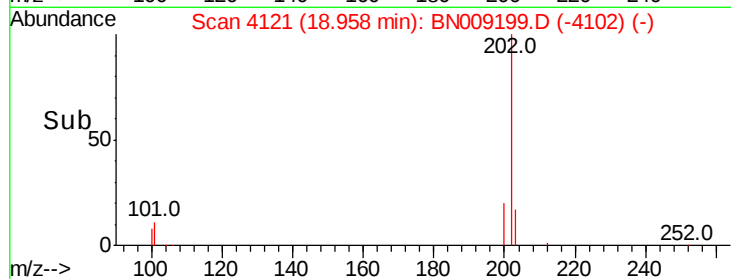
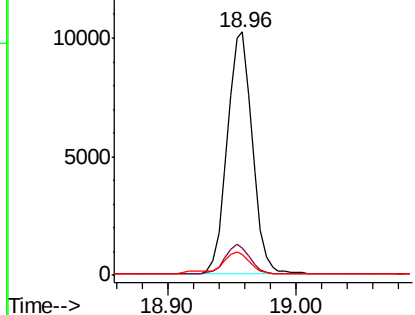
#15
Fluoranthene
 Concen: 0.394 ng/ul
 RT: 18.96 min Scan# 4121
 Delta R.T. -0.01 min
 Lab File: BN009199.D
 Acq: 27 Dec 2019 17:52

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.5
100	8.7	0.0	28.9

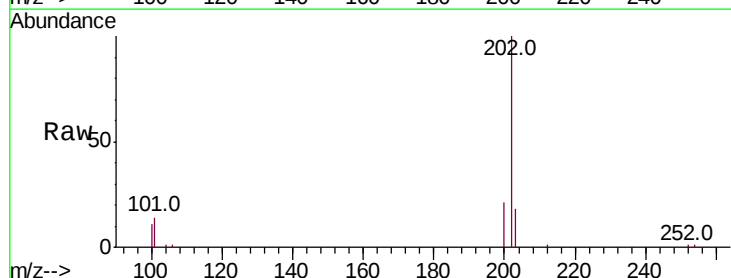


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

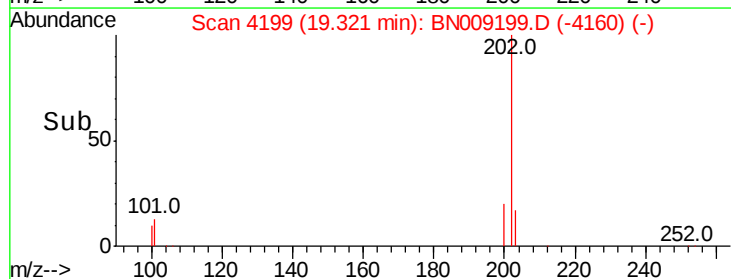
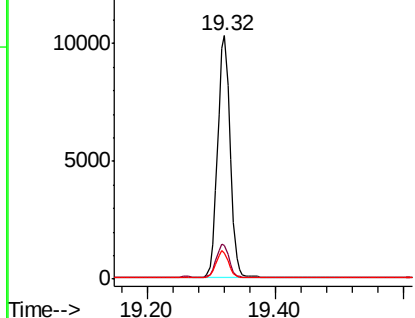


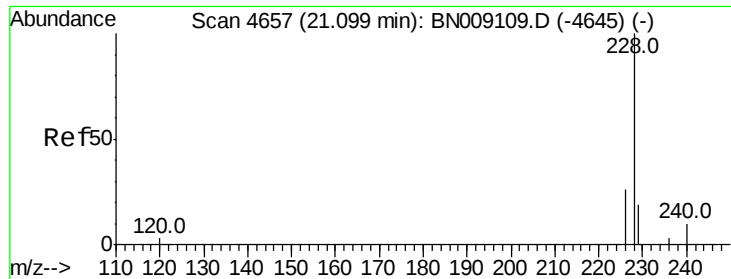
#17
Pyrene
 Concen: 0.360 ng/ul
 RT: 19.32 min Scan# 4199
 Delta R.T. -0.02 min
 Lab File: BN009199.D
 Acq: 27 Dec 2019 17:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	10.9	16.3
100	10.9	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: 0.398 ng/ul

RT: 21.07 min Scan# 4648

Delta R.T. -0.03 min

Lab File: BN009199.D

Acq: 27 Dec 2019 17:52

Instrument :

BNA_N

ClientSampleId :

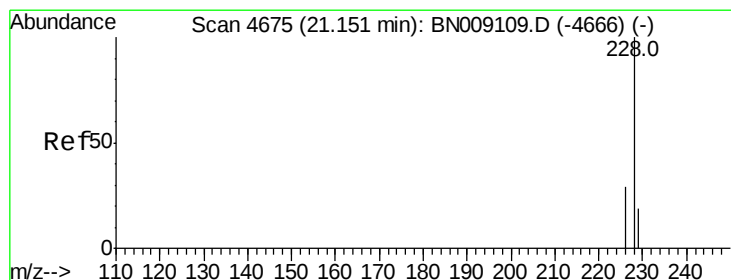
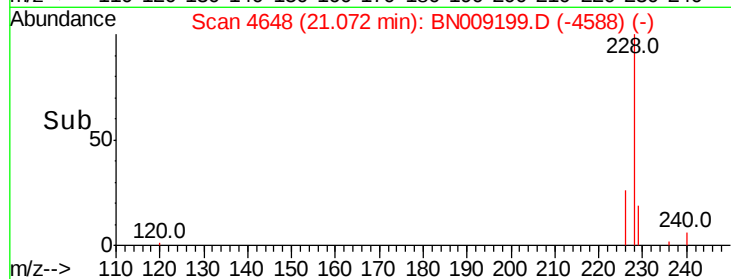
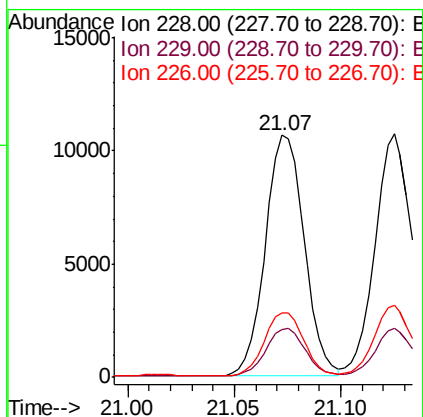
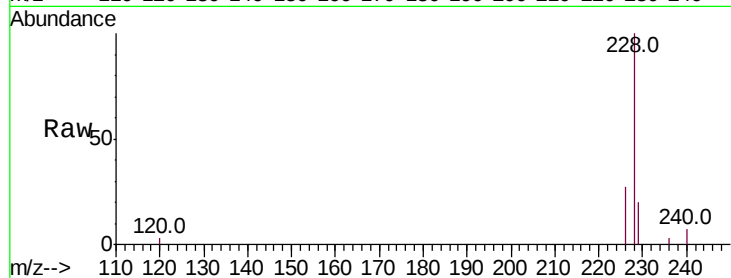
Tot Ion:228 Resp: 13465

Ion Ratio Lower Upper

228 100

229 19.8 15.5 23.3

226 26.8 21.7 32.5



#19

Chrysene

Concen: 0.393 ng/ul

RT: 21.12 min Scan# 4666

Delta R.T. -0.03 min

Lab File: BN009199.D

Acq: 27 Dec 2019 17:52

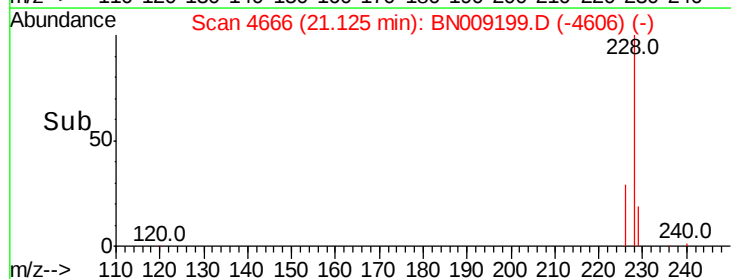
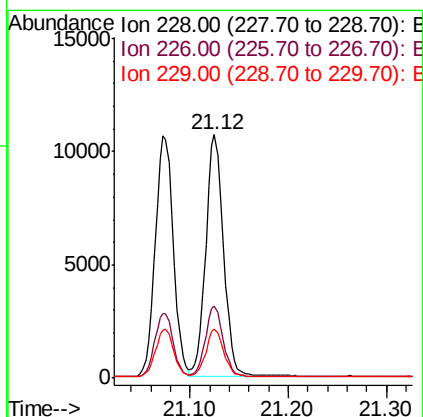
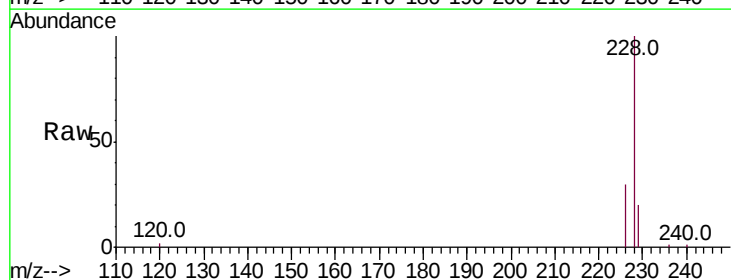
Tgt Ion:228 Resp: 13388

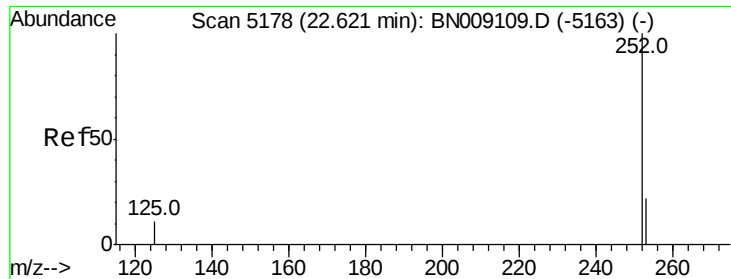
Ion Ratio Lower Upper

228 100

226 29.8 23.7 35.5

229 20.0 15.4 23.0





#21

Benzo(b)fluoranthene

Concen: 0.388 ng/u1

RT: 22.59 min Scan# 5166

Delta R.T. -0.03 min

Lab File: BN009199.D

Acq: 27 Dec 2019 17:52

Instrument :

BNA_N

ClientSampleId :

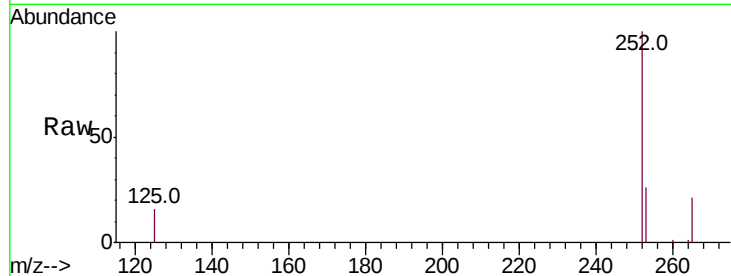
Tot Ion:252 Resp: 13334

Ion Ratio Lower Upper

252 100

253 25.6 0.0 48.2

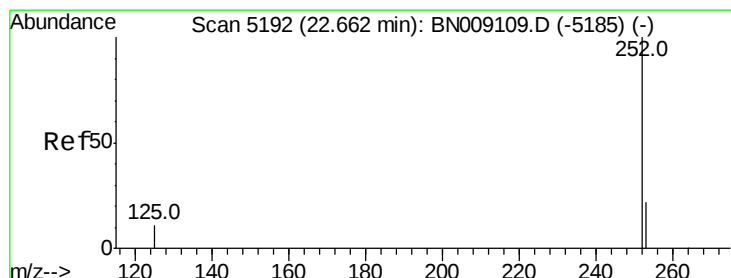
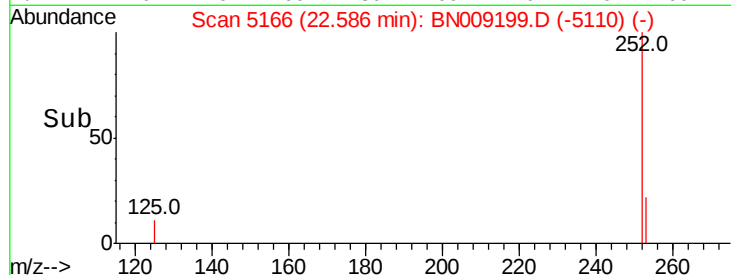
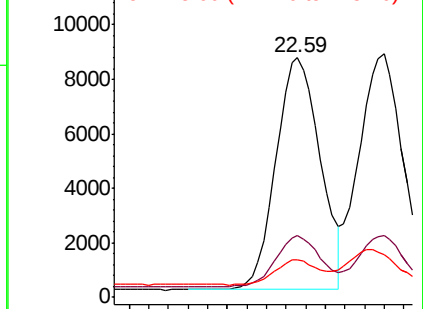
125 15.6 0.0 30.0



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: 0.404 ng/u1

RT: 22.63 min Scan# 5181

Delta R.T. -0.03 min

Lab File: BN009199.D

Acq: 27 Dec 2019 17:52

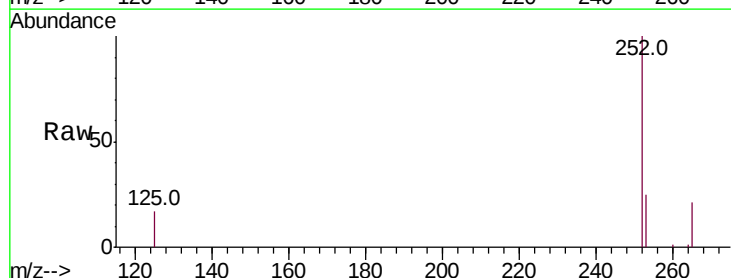
Tgt Ion:252 Resp: 14011

Ion Ratio Lower Upper

252 100

253 25.4 19.4 29.0

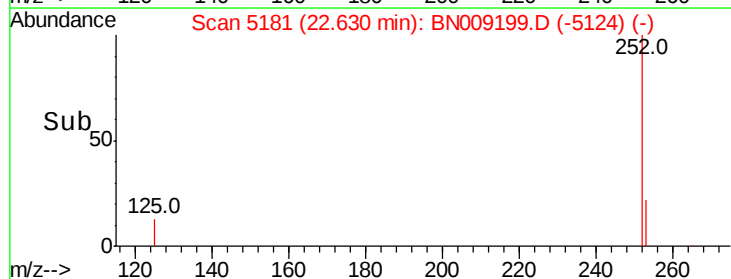
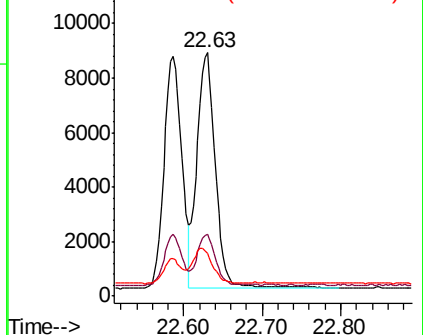
125 17.4 12.4 18.6

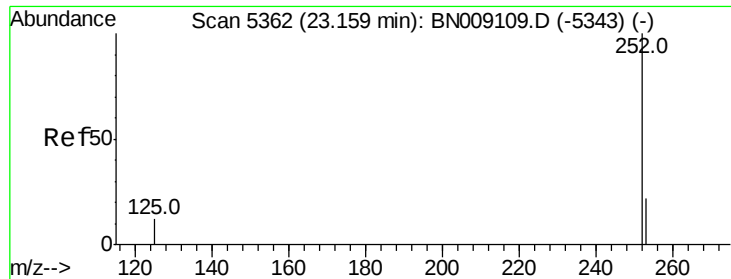


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.409 ng/ul

RT: 23.13 min Scan# 5351

Delta R.T. -0.03 min

Lab File: BN009199.D

Acq: 27 Dec 2019 17:52

Instrument :

BNA_N

ClientSampleId :

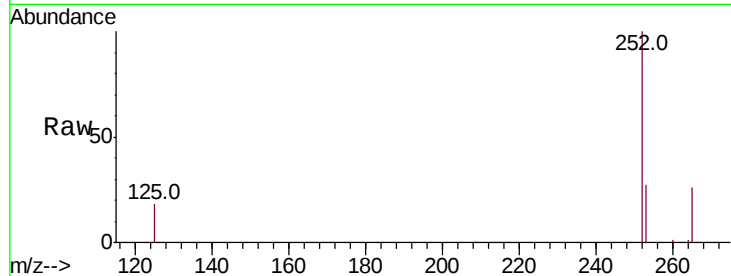
Tot Ion:252 Resp: 12343

Ion Ratio Lower Upper

252 100

253 26.6 20.2 30.4

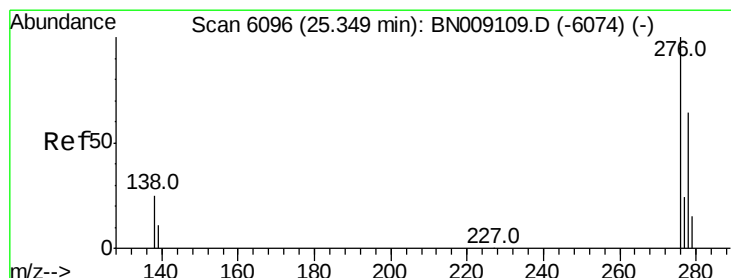
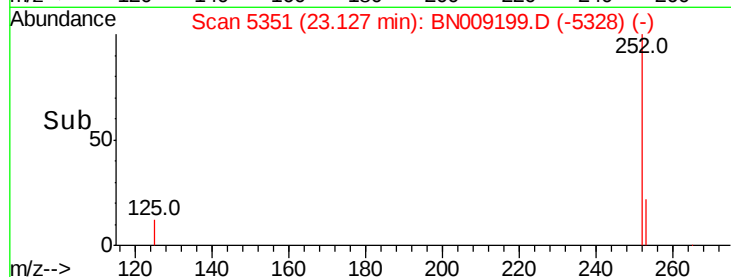
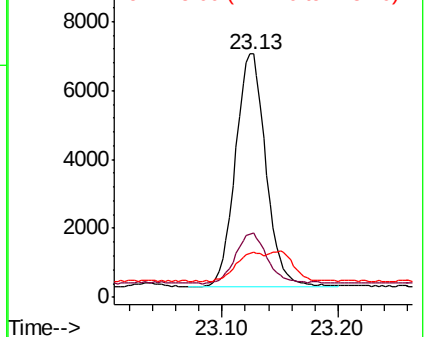
125 18.5 13.2 19.8



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: 0.440 ng/ul

RT: 25.31 min Scan# 6083

Delta R.T. -0.04 min

Lab File: BN009199.D

Acq: 27 Dec 2019 17:52

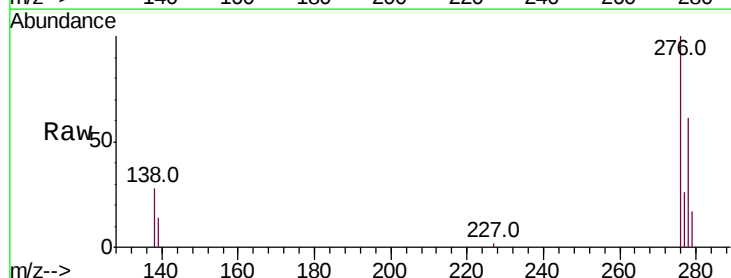
Tgt Ion:276 Resp: 14442

Ion Ratio Lower Upper

276 100

138 27.3 22.4 33.6

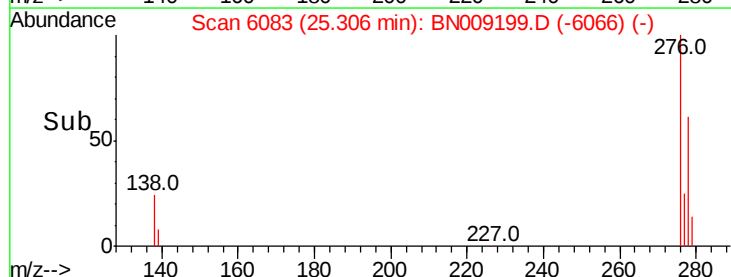
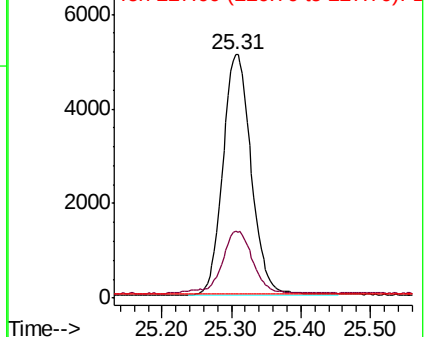
227 0.1 0.2 0.4#

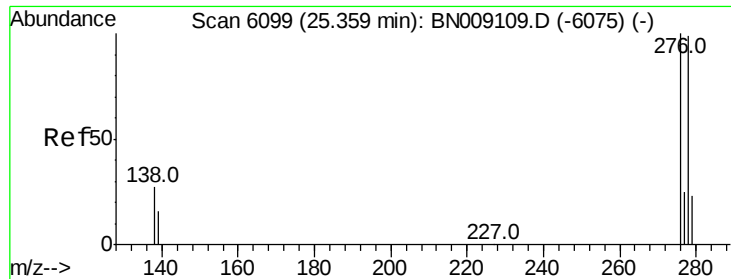


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



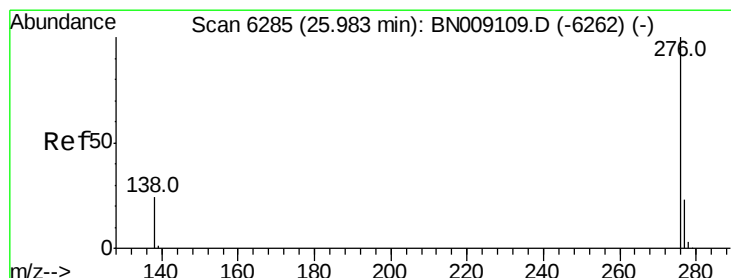
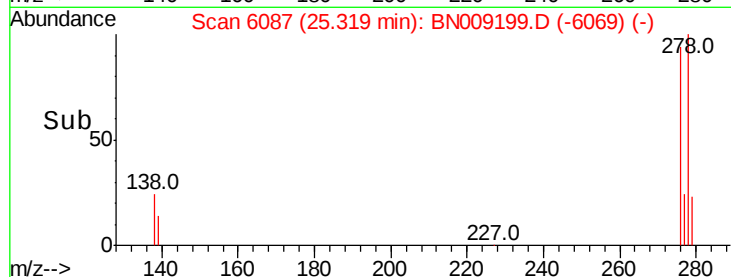
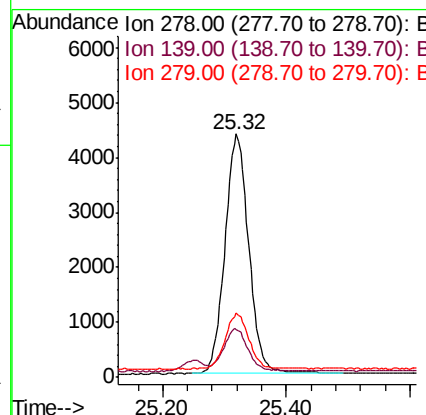
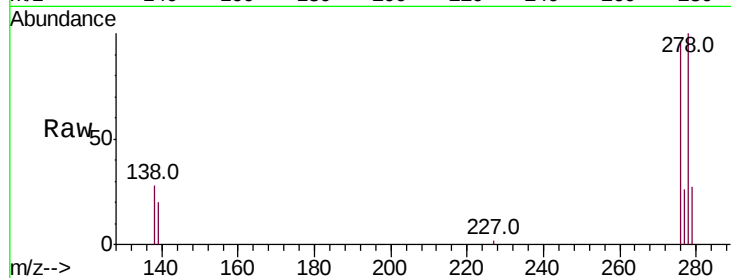


#25
Dibenzo(a,h)anthracene
Concen: 0.447 ng/ul
RT: 25.32 min Scan# 6087
Delta R.T. -0.04 min
Lab File: BN009199.D
Acq: 27 Dec 2019 17:52

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 11679

Ion	Ratio	Lower	Upper
278	100		
139	19.8	16.2	24.2
279	26.6	20.3	30.5



#26
Benzo(g,h,i)perylene
Concen: 0.448 ng/ul
RT: 25.94 min Scan# 6273
Delta R.T. -0.04 min
Lab File: BN009199.D
Acq: 27 Dec 2019 17:52

Tgt Ion:276 Resp: 12383

Ion	Ratio	Lower	Upper
276	100		
138	25.1	20.6	30.8
277	24.9	19.6	29.4

