

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\NOT REVIEWED DATA\
 Data File : BN009231.D
 Acq On : 28 Dec 2019 16:54
 Operator : JU
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDO.426

Quant Time: Dec 31 17:16:13 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 31 11:02:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2756	0.40	ng/ul	0.00
2) Naphthalene-d8	10.27	136	10079	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.14	164	5247	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	10648	0.40	ng/ul	0.00
16) Chrysene-d12	21.09	240	9536	0.40	ng/ul	0.00
20) Perylene-d12	23.22	264	10054	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.86	152	6500	0.36	ng/ul	0.01
14) Fluoranthene-d10	18.93	212	13706	0.44	ng/ul	0.00

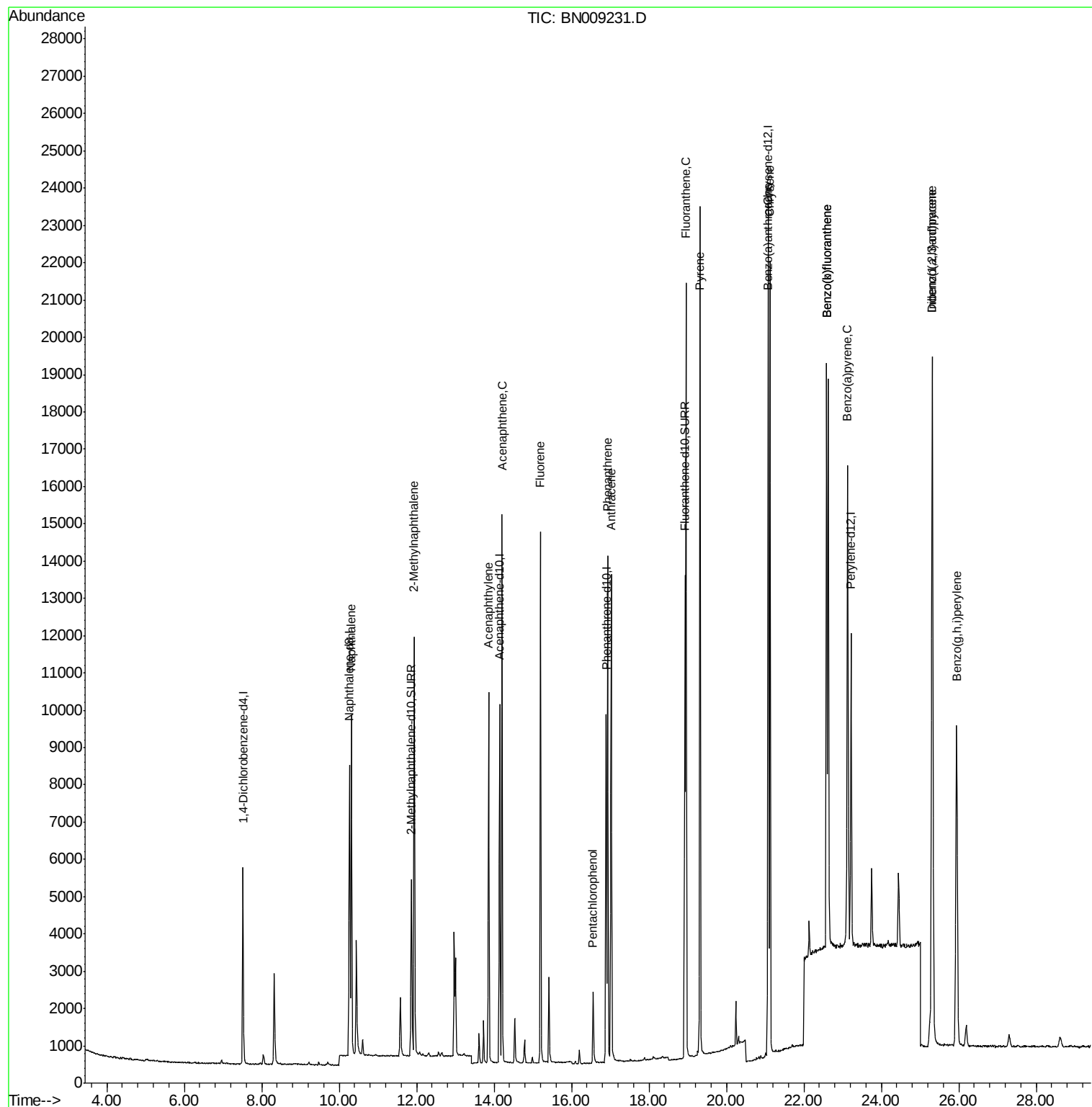
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.31	128	12250	0.401	ng/ul	100
5) 2-Methylnaphthalene	11.93	142	8395	0.363	ng/ul	100
7) Acenaphthylene	13.86	152	11116	0.403	ng/ul	99
8) Acenaphthene	14.20	153	8174	0.378	ng/ul	99
9) Fluorene	15.20	166	9132	0.357	ng/ul	99
11) Pentachlorophenol	16.56	266	1471	0.518	ng/ul	100
12) Phenanthrene	16.93	178	14661	0.396	ng/ul	100
13) Anthracene	17.02	178	14034	0.423	ng/ul	99
15) Fluoranthene	18.95	202	17916	0.423	ng/ul	98
17) Pyrene	19.32	202	18366	0.378	ng/ul	99
18) Benzo(a)anthracene	21.07	228	17944	0.424	ng/ul	99
19) Chrysene	21.12	228	17381	0.408	ng/ul	99
21) Benzo(b)fluoranthene	22.59	252	17611	0.375	ng/ul	99
22) Benzo(k)fluoranthene	22.59	252	17611	0.372	ng/ul	99
23) Benzo(a)pyrene	23.12	252	17088	0.415	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.31	276	19938	0.445	ng/ul	96
25) Dibenzo(a,h)anthracene	25.32	278	16157	0.453	ng/ul	99
26) Benzo(g,h,i)perylene	25.94	276	16916	0.448	ng/ul	99

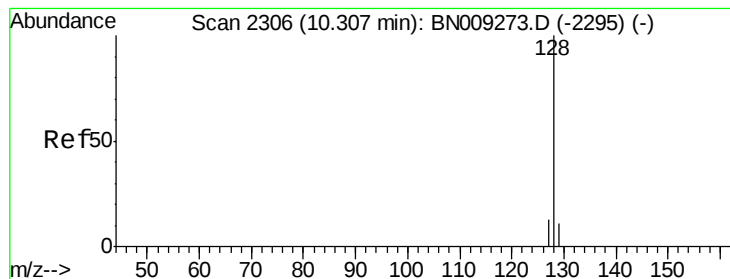
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.401 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. 0.01 min

Lab File: BN009231.D

Acq: 28 Dec 2019 16:54

Instrument :

BNA_N

ClientSampleId :

SSTD0.426

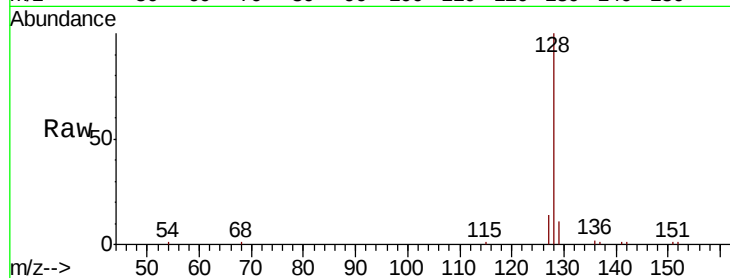
Tot Ion:128 Resp: 12250

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.4

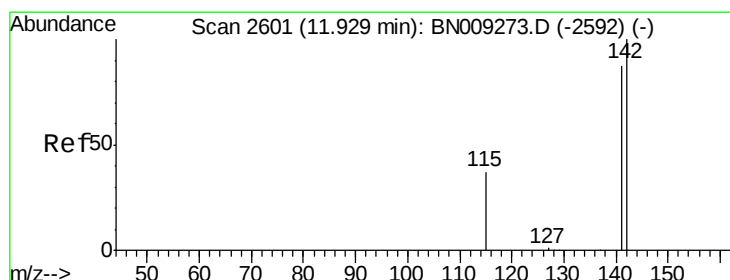
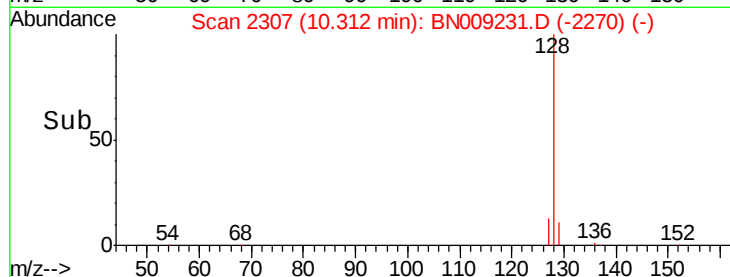
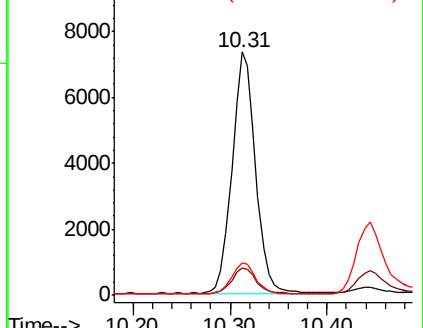
127 13.6 10.9 16.3



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: 0.363 ng/ul

RT: 11.93 min Scan# 2602

Delta R.T. 0.01 min

Lab File: BN009231.D

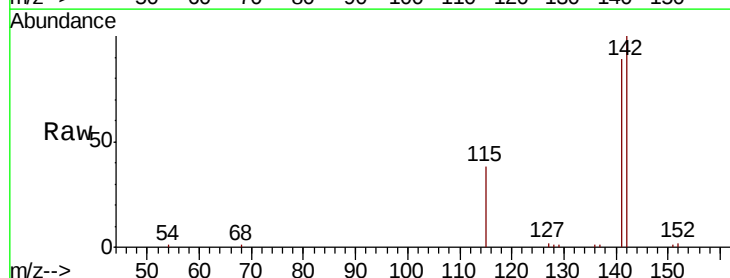
Acq: 28 Dec 2019 16:54

Tgt Ion:142 Resp: 8395

Ion Ratio Lower Upper

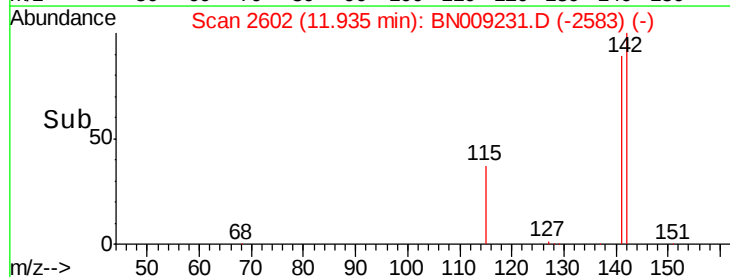
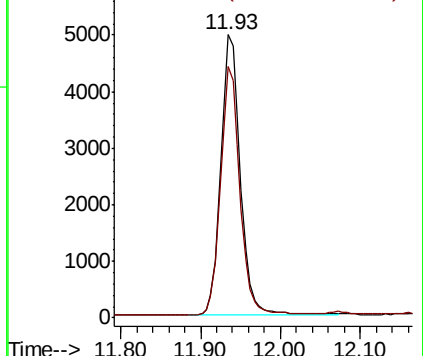
142 100

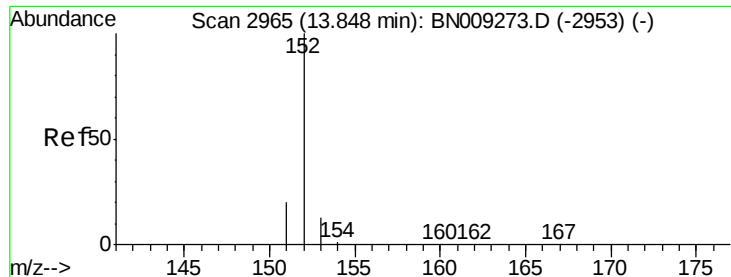
141 87.7 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.403 ng/ul

RT: 13.86 min Scan# 2967

Delta R.T. 0.01 min

Lab File: BN009231.D

Acq: 28 Dec 2019 16:54

Instrument :

BNA_N

ClientSampleId :

SSTD0.426

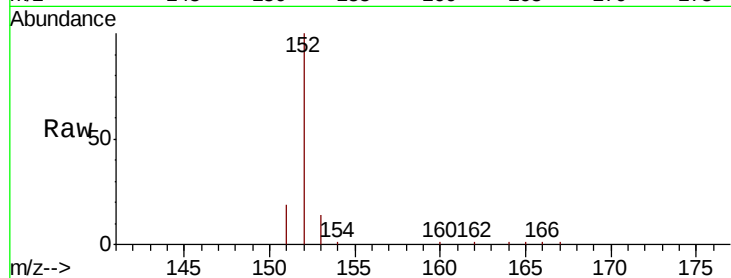
Tot Ion:152 Resp: 11116

Ion Ratio Lower Upper

152 100

151 19.3 15.7 23.5

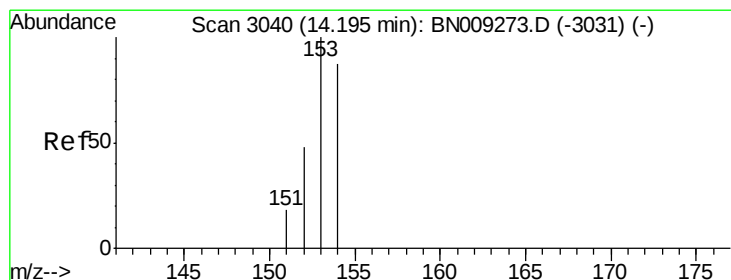
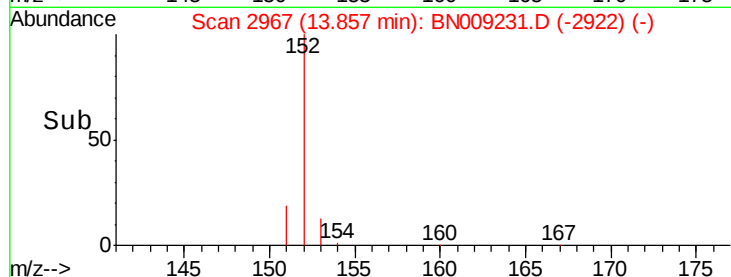
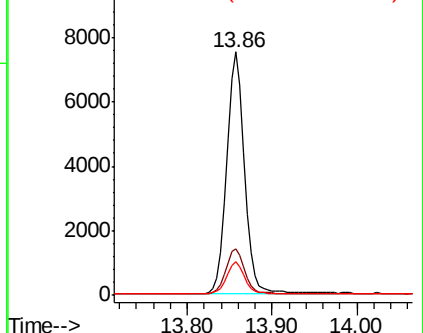
153 13.9 10.8 16.2



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: 0.378 ng/ul

RT: 14.20 min Scan# 3042

Delta R.T. 0.01 min

Lab File: BN009231.D

Acq: 28 Dec 2019 16:54

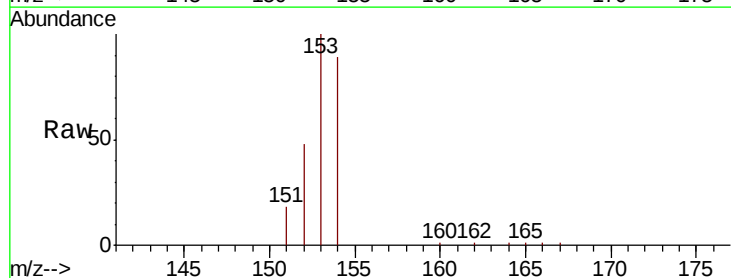
Tgt Ion:153 Resp: 8174

Ion Ratio Lower Upper

153 100

152 47.7 39.5 59.3

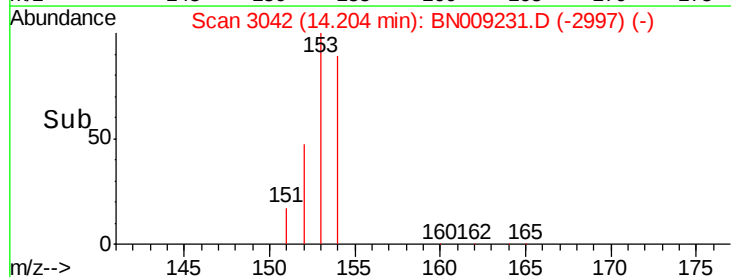
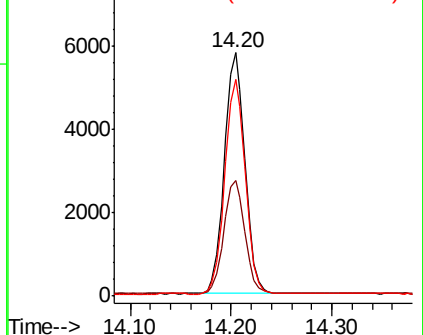
154 89.1 71.3 106.9

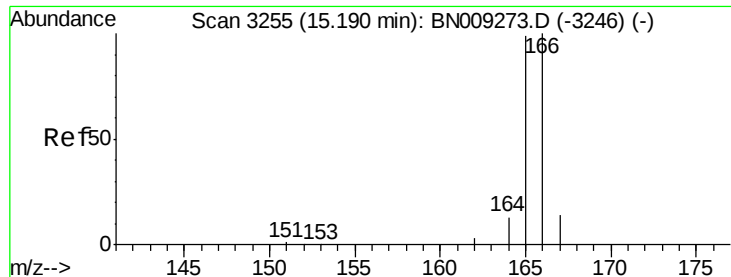


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.357 ng/ul

RT: 15.20 min Scan# 3257

Delta R.T. 0.01 min

Lab File: BN009231.D

Acq: 28 Dec 2019 16:54

Instrument :

BNA_N

ClientSampleId :

SSTD0.426

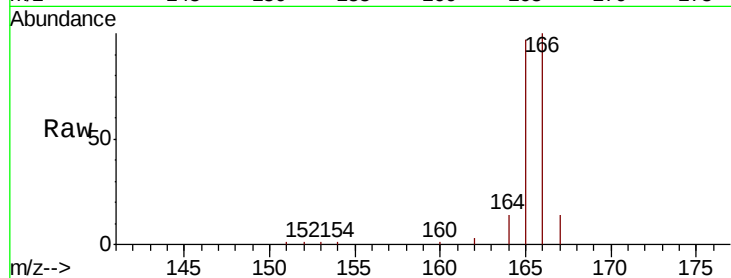
Tot Ion:166 Resp: 9132

Ion Ratio Lower Upper

166 100

165 96.6 78.2 117.4

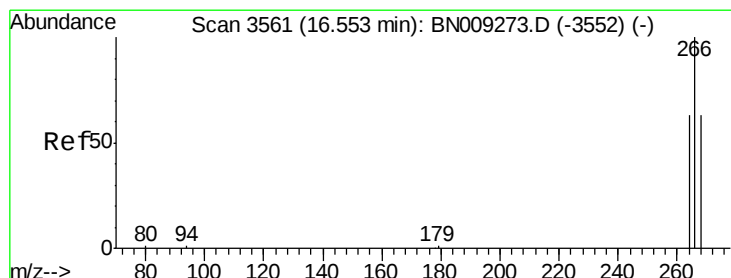
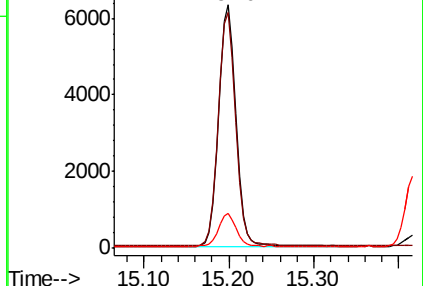
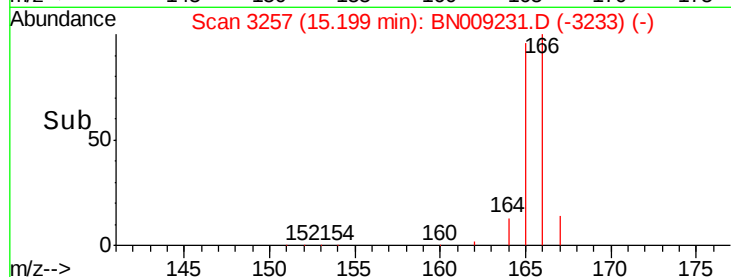
167 14.4 11.0 16.6



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: 0.518 ng/ul

RT: 16.56 min Scan# 3562

Delta R.T. 0.00 min

Lab File: BN009231.D

Acq: 28 Dec 2019 16:54

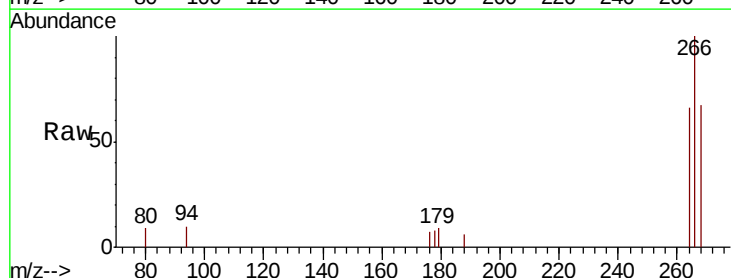
Tgt Ion:266 Resp: 1471

Ion Ratio Lower Upper

266 100

264 62.3 49.9 74.9

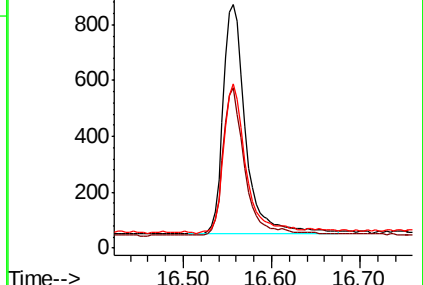
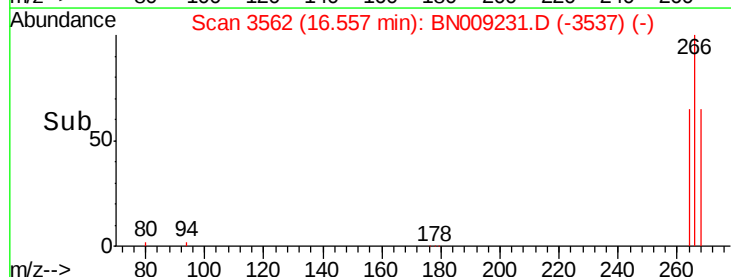
268 65.3 52.1 78.1

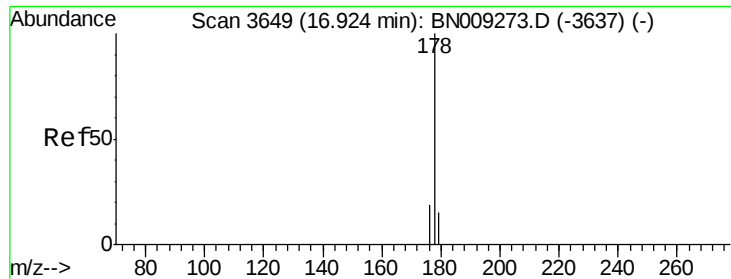


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.396 ng/ul

RT: 16.93 min Scan# 3650

Delta R.T. 0.00 min

Lab File: BN009231.D

Acq: 28 Dec 2019 16:54

Instrument :

BNA_N

ClientSampleId :

SSTD0.426

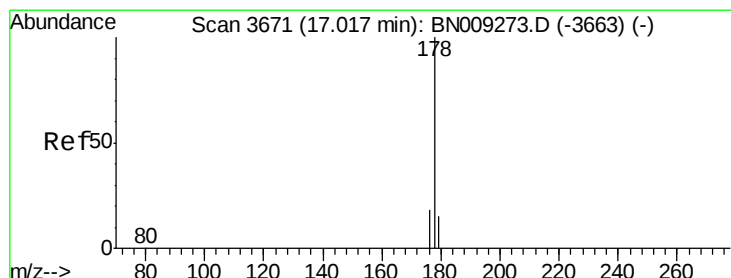
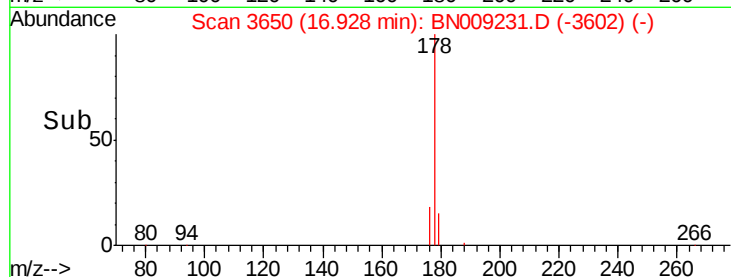
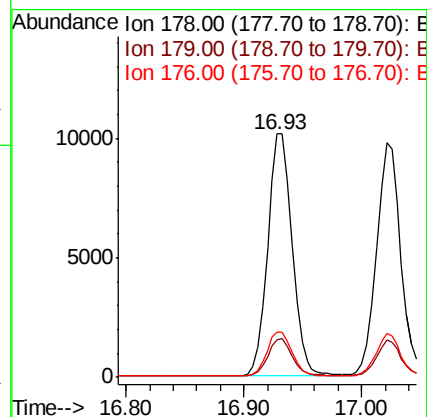
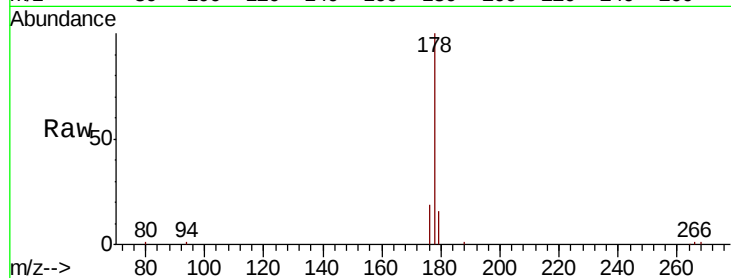
Tot Ion:178 Resp: 14661

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

176 18.8 15.1 22.7



#13

Anthracene

Concen: 0.423 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BN009231.D

Acq: 28 Dec 2019 16:54

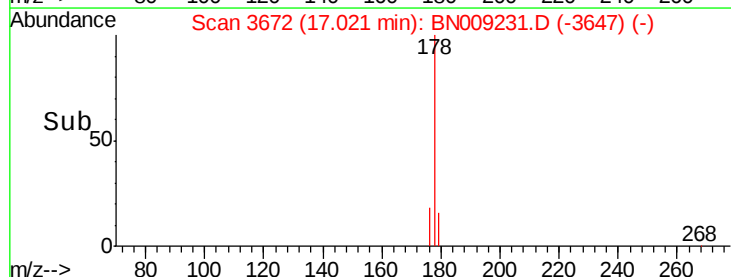
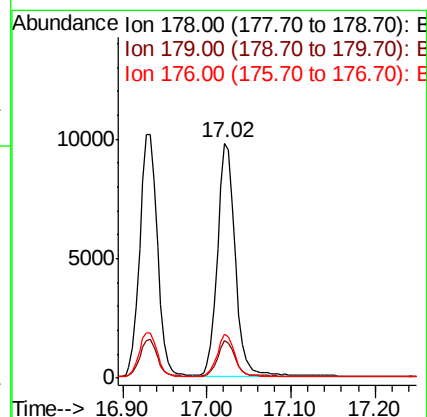
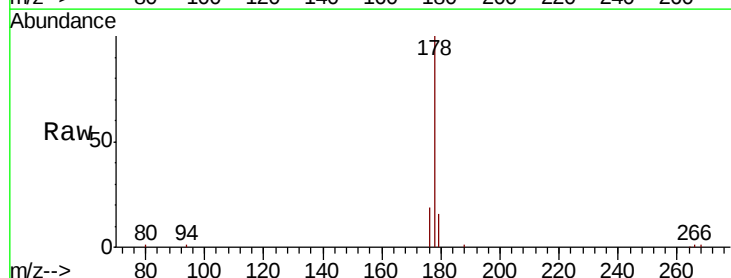
Tgt Ion:178 Resp: 14034

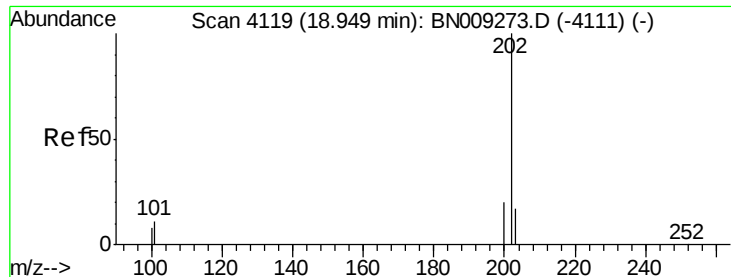
Ion Ratio Lower Upper

178 100

179 15.9 12.5 18.7

176 18.9 14.9 22.3





#15

Fluoranthene

Concen: 0.423 ng/ul

RT: 18.95 min Scan# 4120

Delta R.T. 0.00 min

Lab File: BN009231.D

Acq: 28 Dec 2019 16:54

Instrument :

BNA_N

ClientSampleId :

SSTD0.426

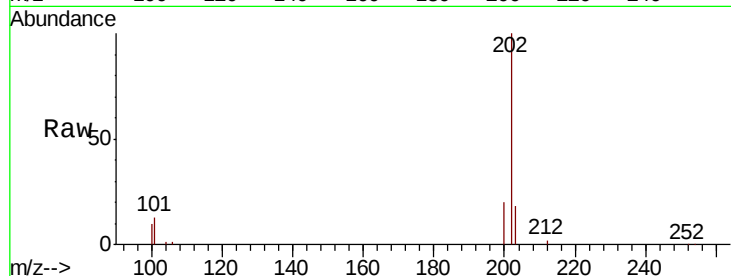
Tot Ion:202 Resp: 17916

Ion Ratio Lower Upper

202 100

101 12.6 0.0 31.5

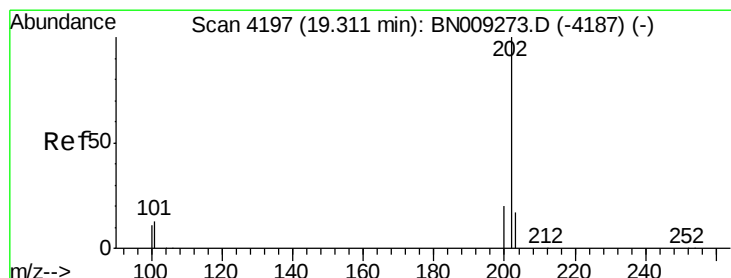
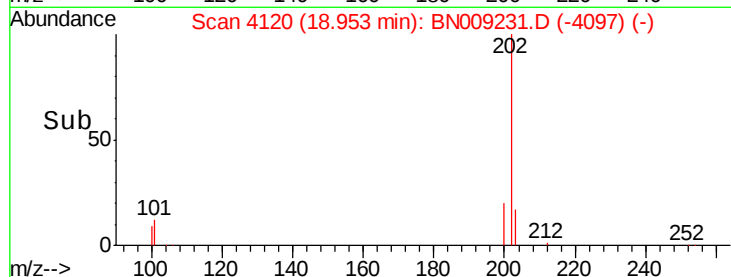
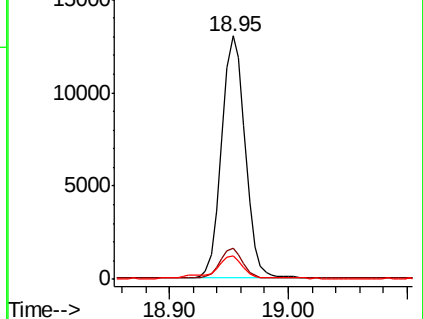
100 9.5 0.0 28.9



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: 0.378 ng/ul

RT: 19.32 min Scan# 4198

Delta R.T. 0.00 min

Lab File: BN009231.D

Acq: 28 Dec 2019 16:54

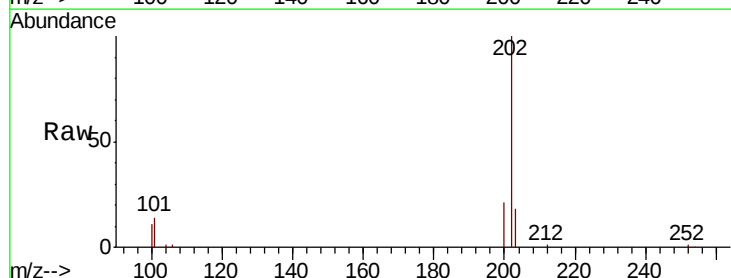
Tgt Ion:202 Resp: 18366

Ion Ratio Lower Upper

202 100

101 14.3 10.9 16.3

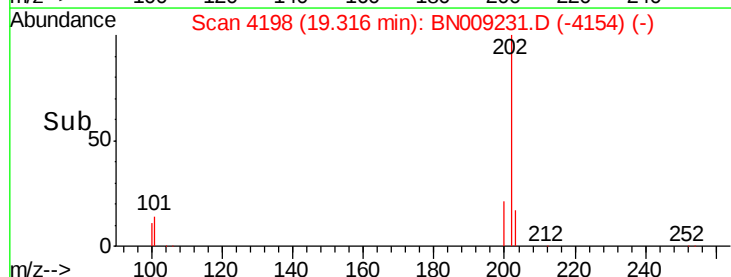
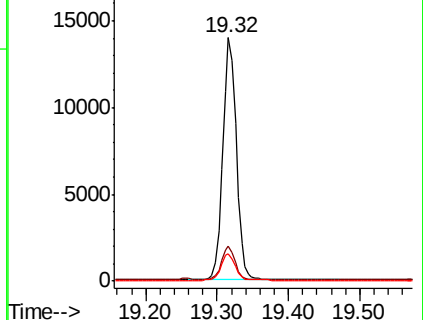
100 11.3 9.0 13.6

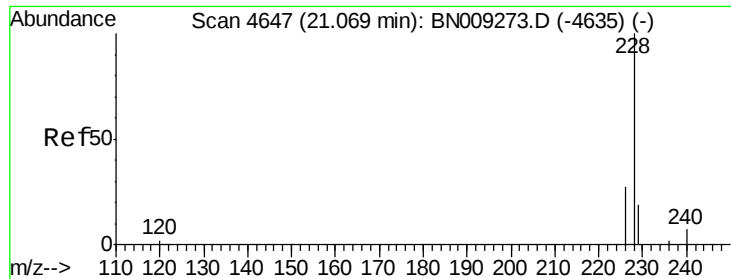


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.424 ng/ul

RT: 21.07 min Scan# 4648

Delta R.T. 0.00 min

Lab File: BN009231.D

Acq: 28 Dec 2019 16:54

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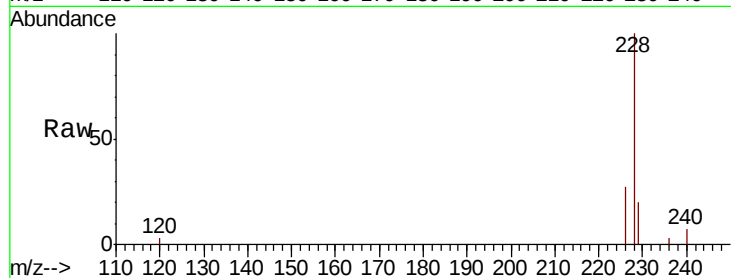
Tot Ion:228 Resp: 17944

Ion Ratio Lower Upper

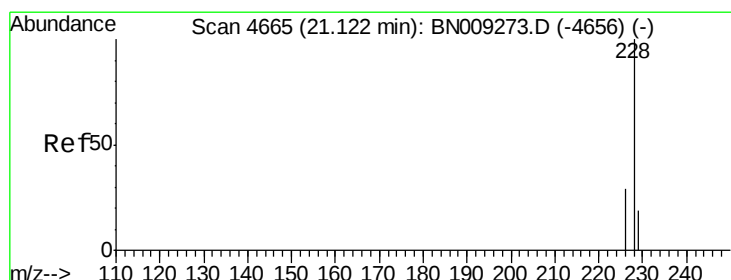
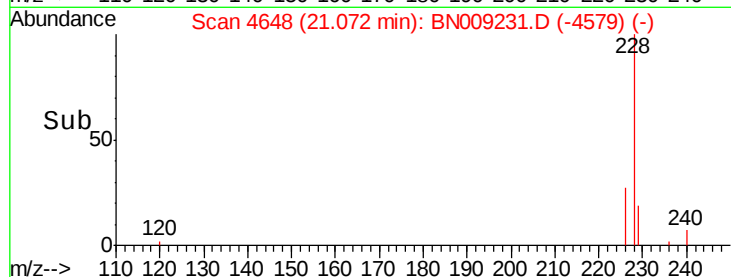
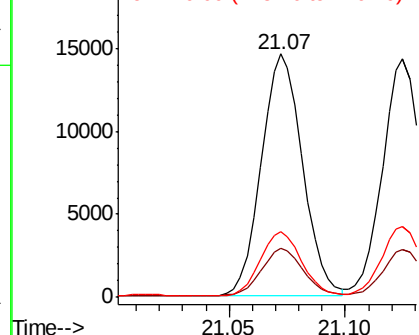
228 100

229 20.0 15.5 23.3

226 27.1 21.7 32.5



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: 0.408 ng/ul

RT: 21.12 min Scan# 4666

Delta R.T. 0.00 min

Lab File: BN009231.D

Acq: 28 Dec 2019 16:54

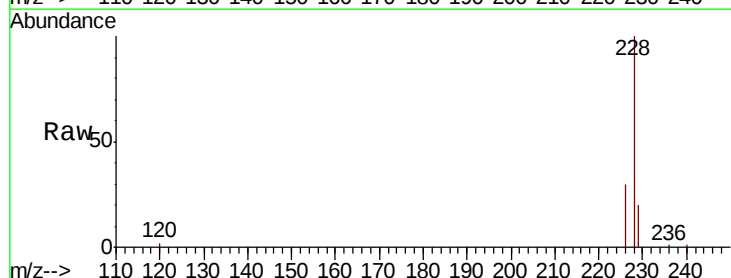
Tgt Ion:228 Resp: 17381

Ion Ratio Lower Upper

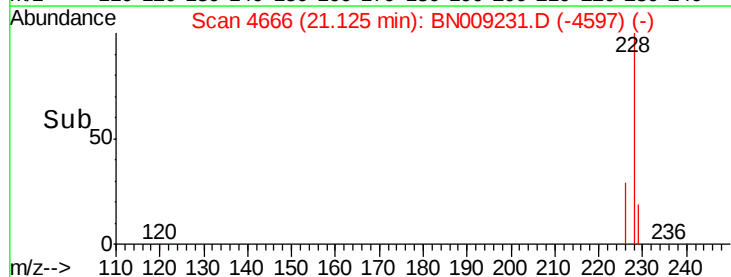
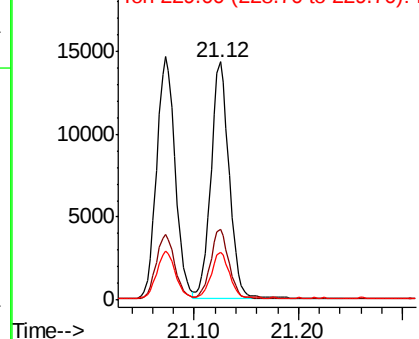
228 100

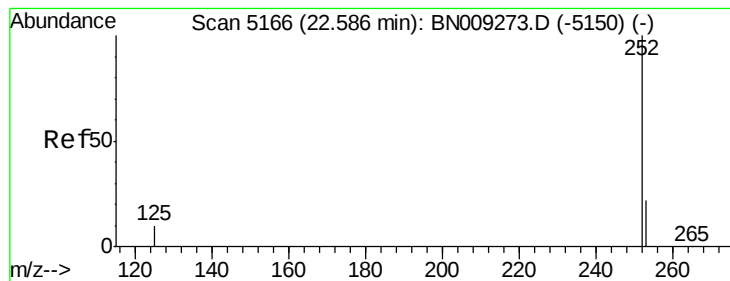
226 29.8 23.7 35.5

229 20.2 15.4 23.0



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: 0.375 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. -0.00 min

Lab File: BN009231.D

Acq: 28 Dec 2019 16:54

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SSTD0.426

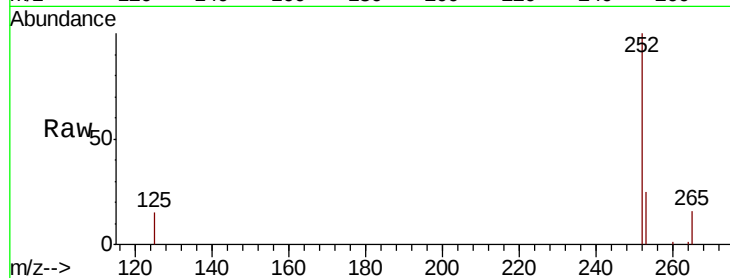
Tot Ion:252 Resp: 17611

Ion Ratio Lower Upper

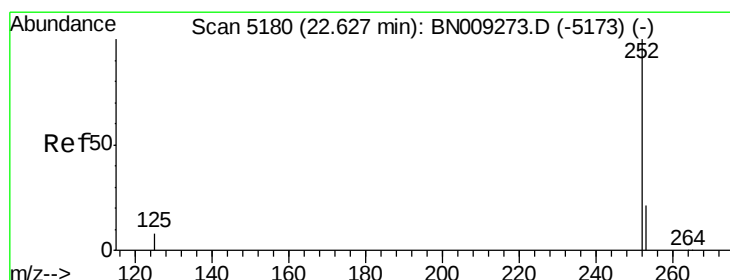
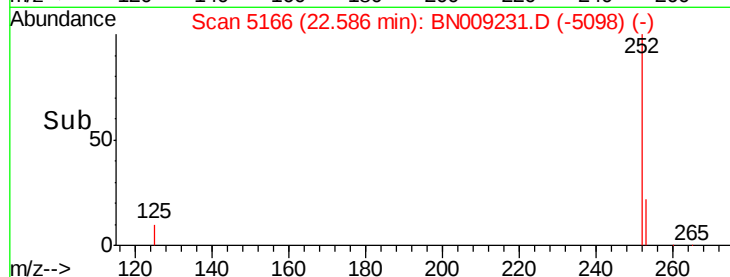
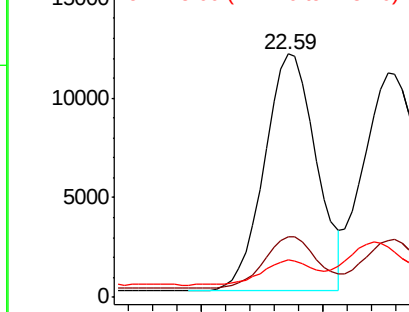
252 100

253 24.9 0.0 48.2

125 15.2 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: 0.372 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. -0.04 min

Lab File: BN009231.D

Acq: 28 Dec 2019 16:54

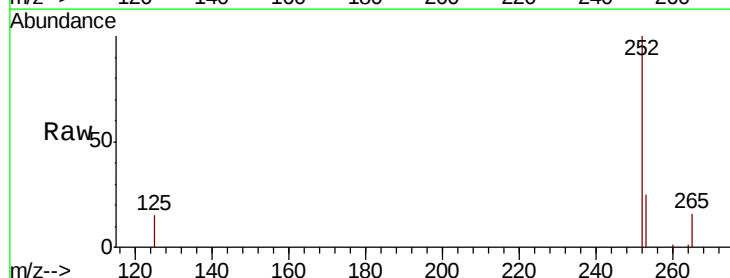
Tgt Ion:252 Resp: 17611

Ion Ratio Lower Upper

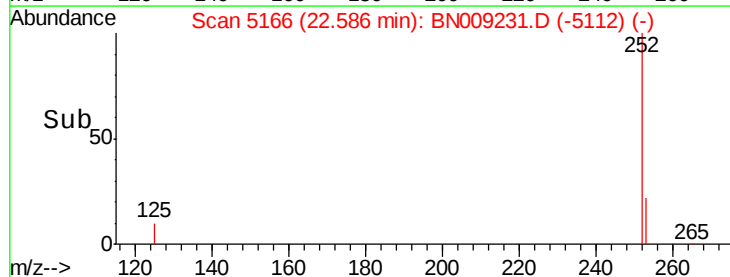
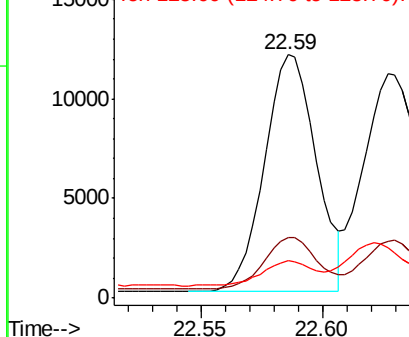
252 100

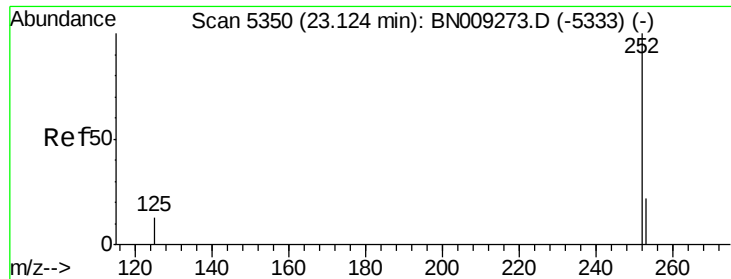
253 24.9 19.4 29.0

125 15.2 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: 0.415 ng/ul

RT: 23.12 min Scan# 5350

Delta R.T. -0.00 min

Lab File: BN009231.D

Acq: 28 Dec 2019 16:54

Instrument :

BNA_N

ClientSampleId :

SSTD0.426

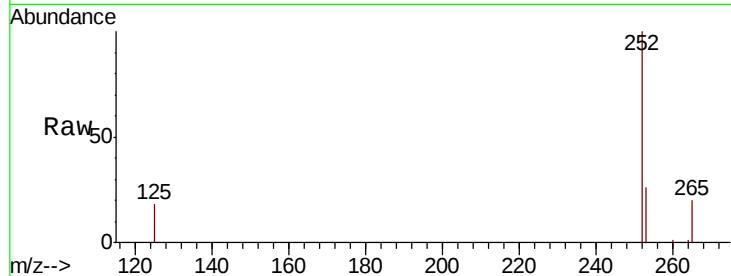
Tot Ion:252 Resp: 17088

Ion Ratio Lower Upper

252 100

253 25.7 20.2 30.4

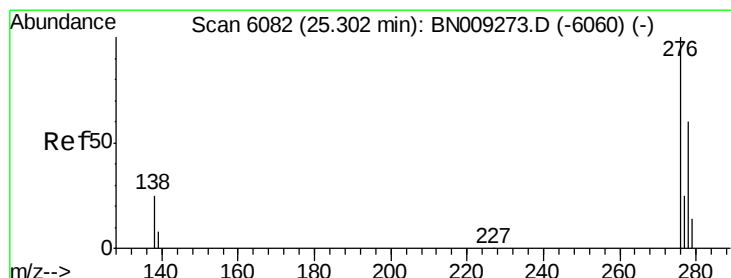
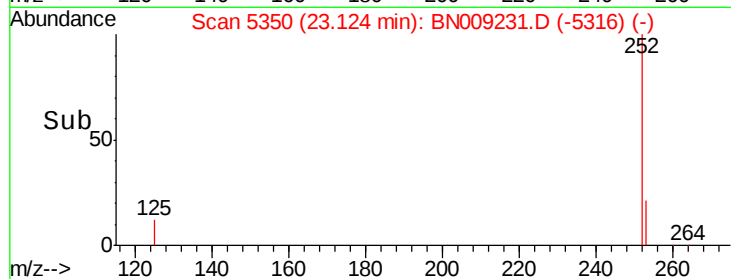
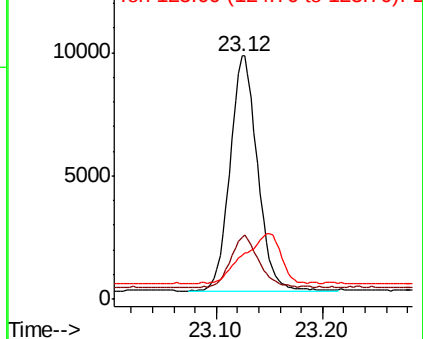
125 18.2 13.2 19.8



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: 0.445 ng/ul

RT: 25.31 min Scan# 6084

Delta R.T. 0.01 min

Lab File: BN009231.D

Acq: 28 Dec 2019 16:54

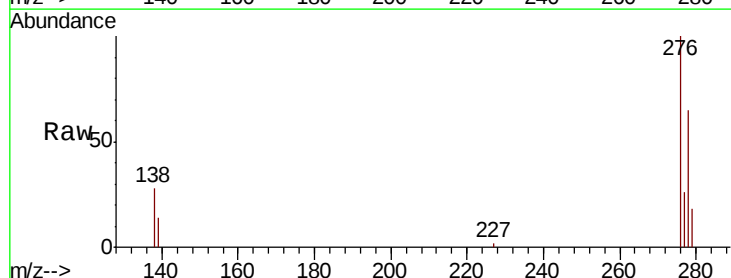
Tgt Ion:276 Resp: 19938

Ion Ratio Lower Upper

276 100

138 25.6 22.4 33.6

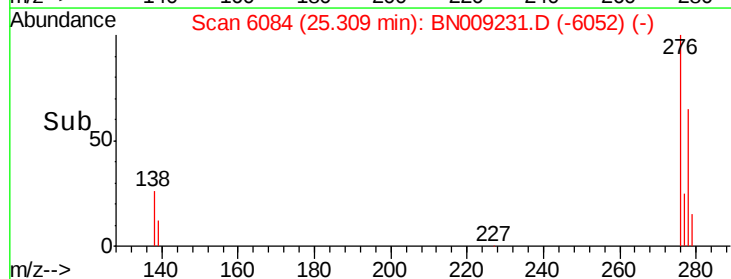
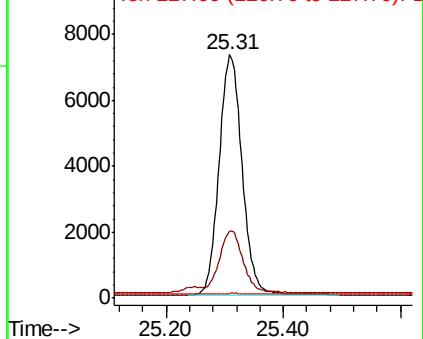
227 0.3 0.2 0.4

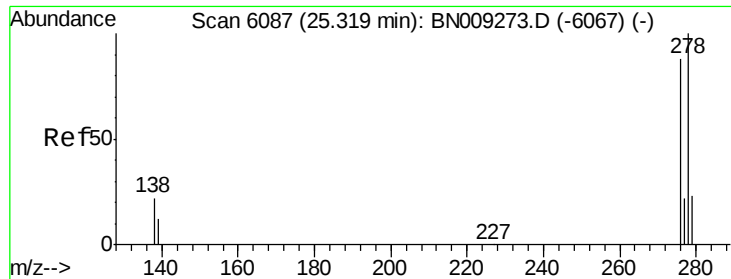


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

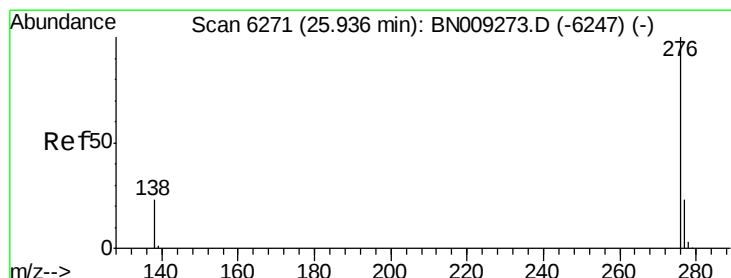
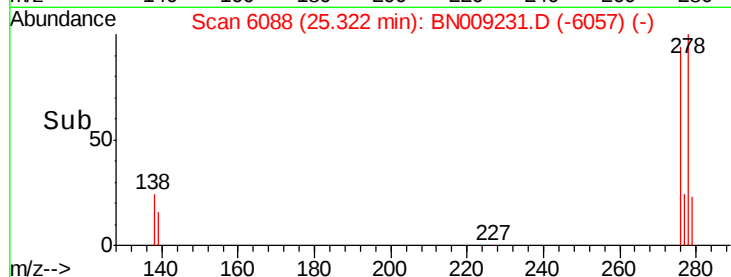
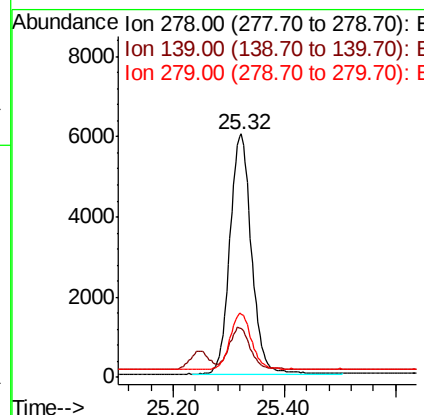
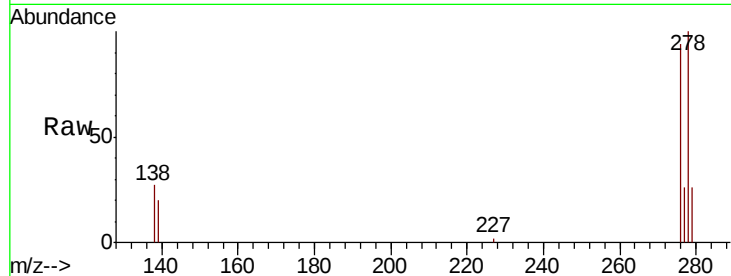




#25
Dibenzo(a,h)anthracene
Concen: 0.453 ng/ul
RT: 25.32 min Scan# 6088
Delta R.T. 0.00 min
Lab File: BN009231.D
Acq: 28 Dec 2019 16:54

Instrument :
BNA_N
ClientSampleId :
SSTD0.426

Tot Ion:278 Resp: 16157
Ion Ratio Lower Upper
278 100
139 20.1 16.2 24.2
279 26.0 20.3 30.5



#26
Benzo(g,h,i)perylene
Concen: 0.448 ng/ul
RT: 25.94 min Scan# 6273
Delta R.T. 0.01 min
Lab File: BN009231.D
Acq: 28 Dec 2019 16:54

Tgt Ion:276 Resp: 16916
Ion Ratio Lower Upper
276 100
138 25.0 20.6 30.8
277 25.3 19.6 29.4

