

Data File : BN008988.D
Acq On : 14 Dec 2019 03:58
Operator : JU
Sample : K4649-07MS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A5169MS

Quant Time: Dec 16 00:51:41 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	2737	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	11973	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	8054	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.92	188	18258	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	13993	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	11269	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.90	152	8437	0.43	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	21625	0.39	ng/ul	0.00

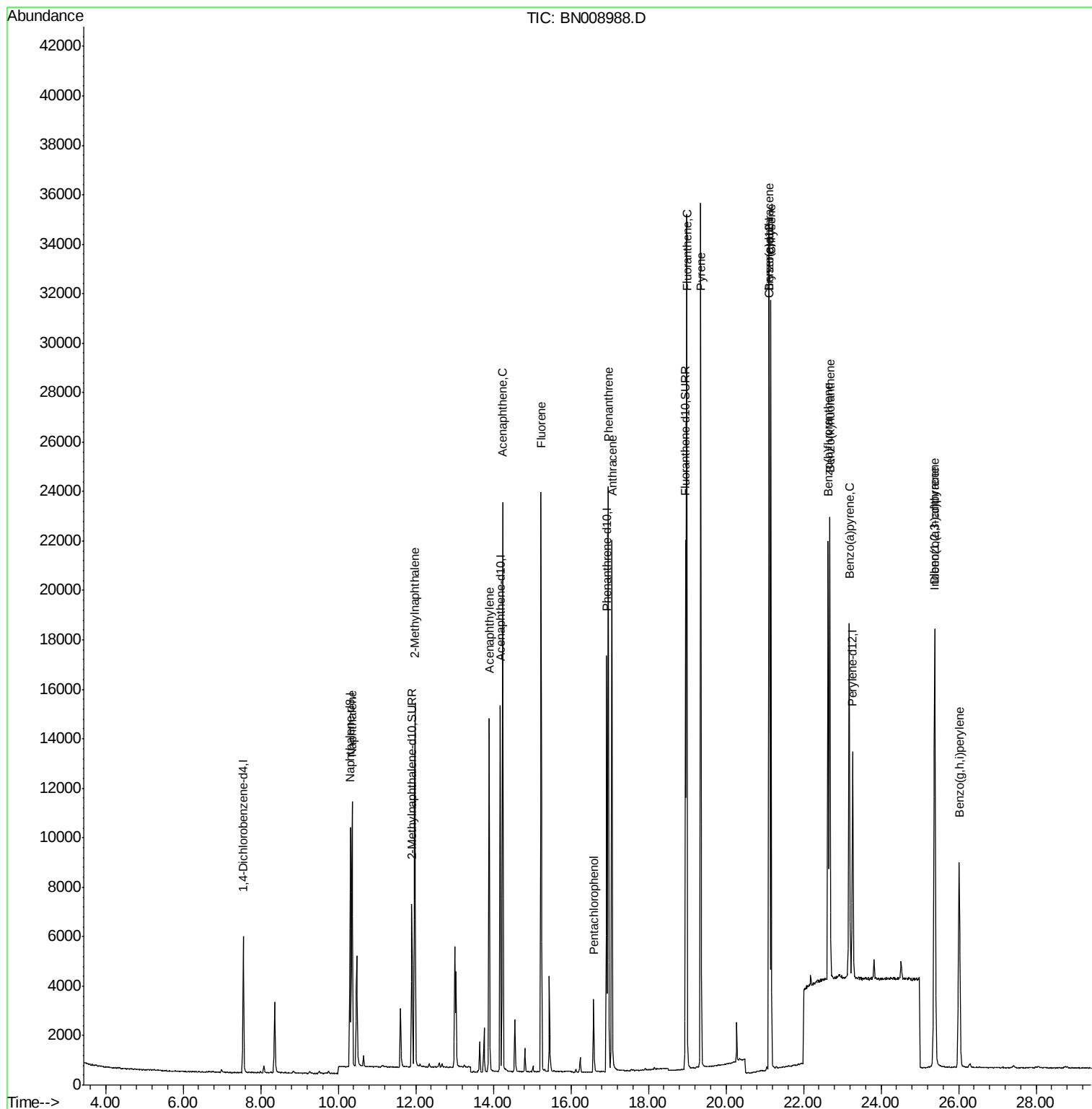
Target Compounds					Qvalue
3) Naphthalene	10.36	128	14466	0.401	ng/ul 100
5) 2-Methylnaphthalene	11.98	142	10876	0.432	ng/ul 100
7) Acenaphthylene	13.89	152	16319	0.366	ng/ul 99
8) Acenaphthene	14.24	153	12554	0.380	ng/ul 99
9) Fluorene	15.23	166	14744	0.380	ng/ul 99
11) Pentachlorophenol	16.59	266	2073	0.300	ng/ul 99
12) Phenanthrene	16.97	178	24897	0.404	ng/ul 100
13) Anthracene	17.06	178	22818	0.392	ng/ul 99
15) Fluoranthene	18.99	202	28644	0.379	ng/ul 100
17) Pyrene	19.35	202	28870	0.514	ng/ul 98
18) Benzo(a)anthracene	21.11	228	25883	0.460	ng/ul 99
19) Chrysene	21.16	228	25052	0.453	ng/ul 100
21) Benzo(b)fluoranthene	22.64	252	20973	0.451	ng/ul 99
22) Benzo(k)fluoranthene	22.68	252	20824	0.452	ng/ul 99
23) Benzo(a)pyrene	23.18	252	18501	0.424	ng/ul 99
24) Indeno(1,2,3-cd)pyrene	25.38	276	18923	0.371	ng/ul# 98
25) Dibenzo(a,h)anthracene	25.39	278	15306	0.372	ng/ul 99
26) Benzo(g,h,i)perylene	26.02	276	15780	0.370	ng/ul 98

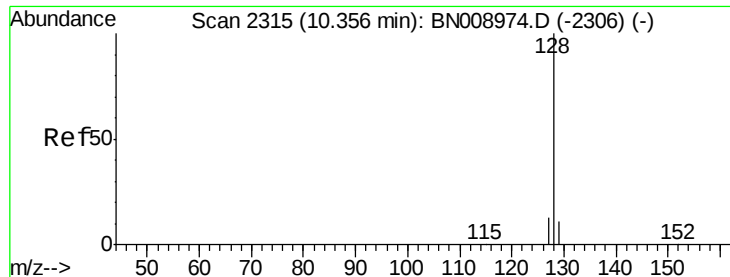
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.401 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. 0.00 min

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Instrument :

BNA_N

ClientSampleId :

A5169MS

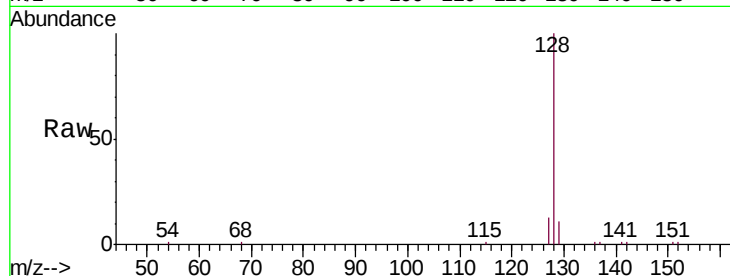
Tgt Ion:128 Resp: 14466

Ion Ratio Lower Upper

128 100

129 11.3 9.1 13.7

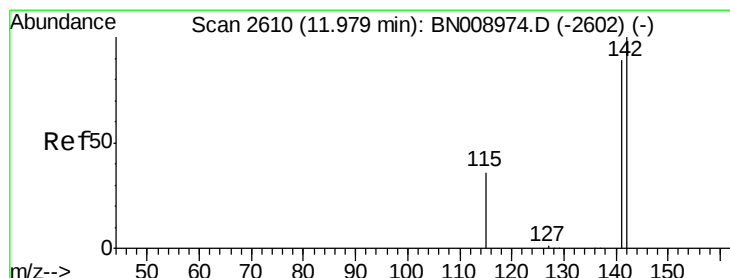
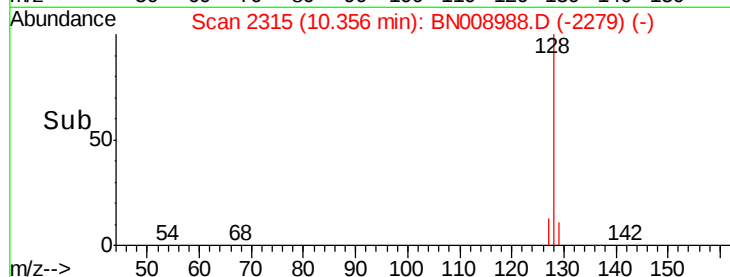
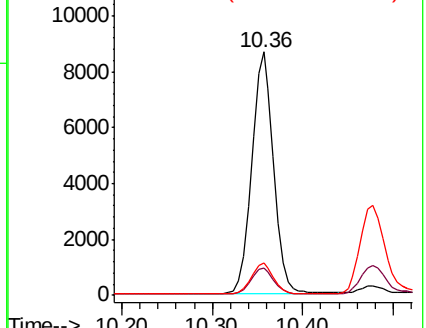
127 13.3 10.7 16.1



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: BN008988.D

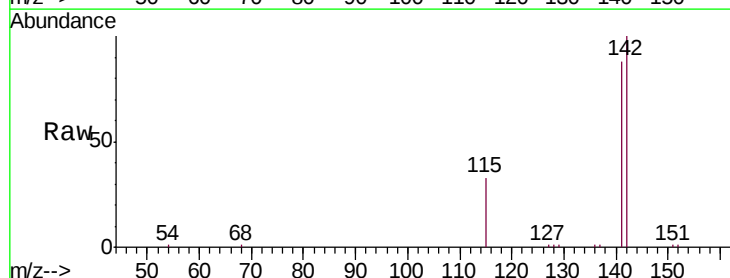
Acq: 14 Dec 2019 03:58

Tgt Ion:142 Resp: 10876

Ion Ratio Lower Upper

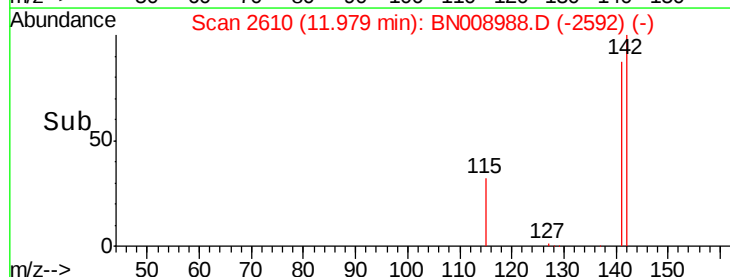
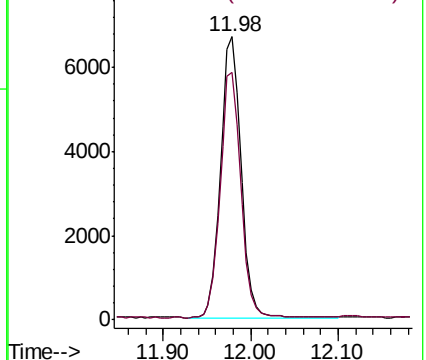
142 100

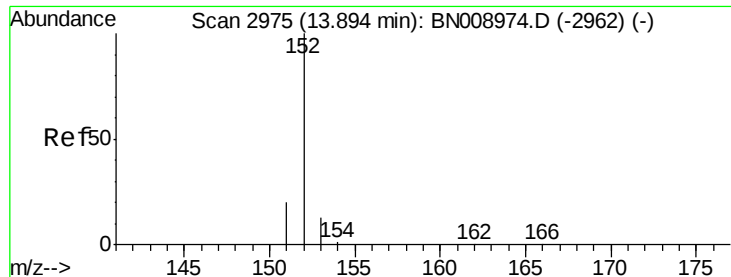
141 87.9 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.366 ng/ul

RT: 13.89 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BN008988.D

Acq: 14 Dec 2019 03:58

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ClientSampleId :

A5169MS

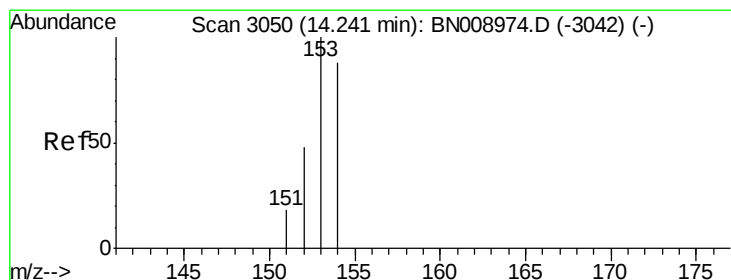
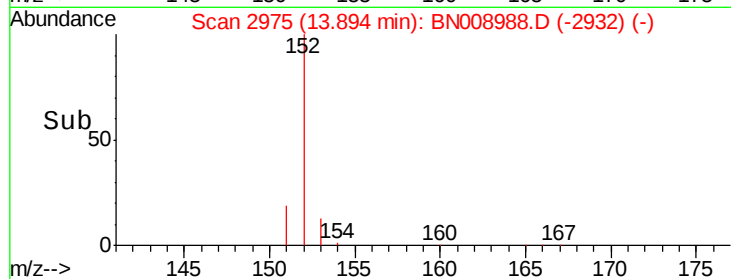
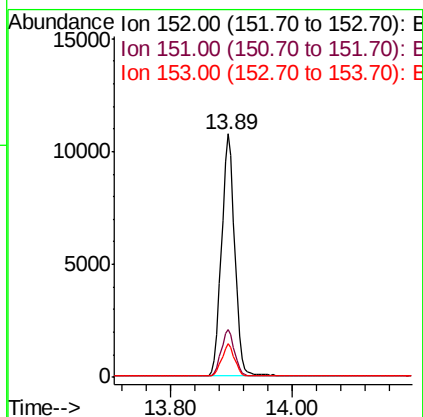
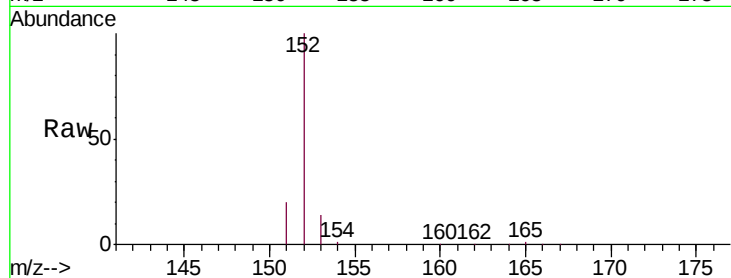
Tgt Ion:152 Resp: 16319

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.6

153 13.6 10.6 15.8



#8

Acenaphthene

Concen: 0.380 ng/ul

RT: 14.24 min Scan# 3050

Delta R.T. 0.00 min

Lab File: BN008988.D

Acq: 14 Dec 2019 03:58

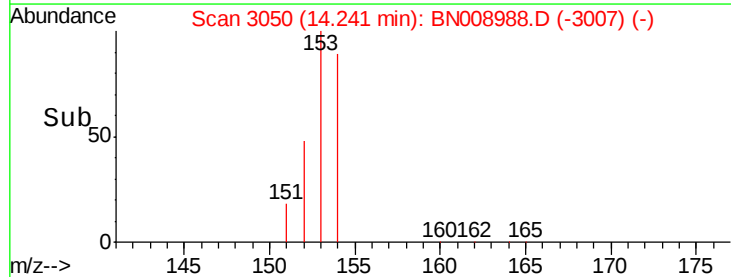
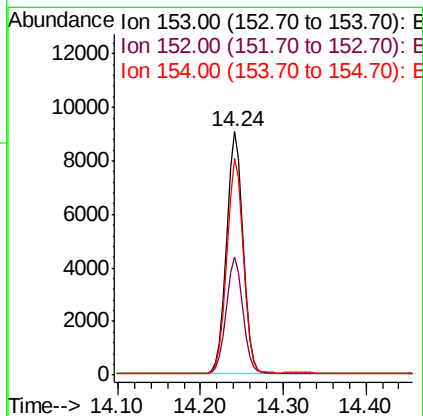
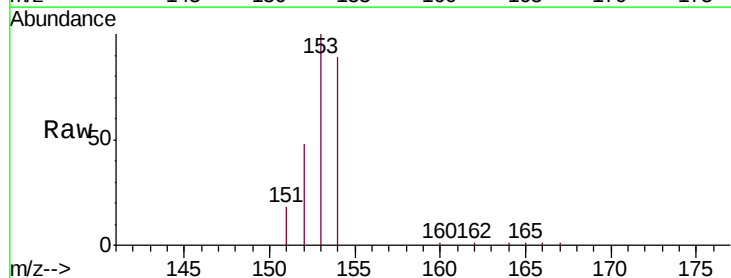
Tgt Ion:153 Resp: 12554

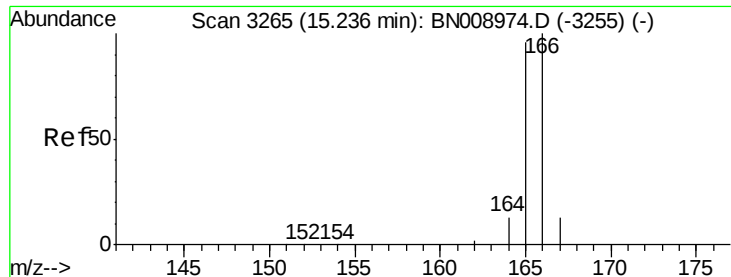
Ion Ratio Lower Upper

153 100

152 48.4 38.6 58.0

154 89.0 70.6 105.8





#9

Fluorene

Concen: 0.380 ng/ul

RT: 15.23 min Scan# 3264

Delta R.T. -0.00 min

Lab File: BN008988.D

Acq: 14 Dec 2019 03:58

Instrument :

BNA_N

ClientSampleId :

A5169MS

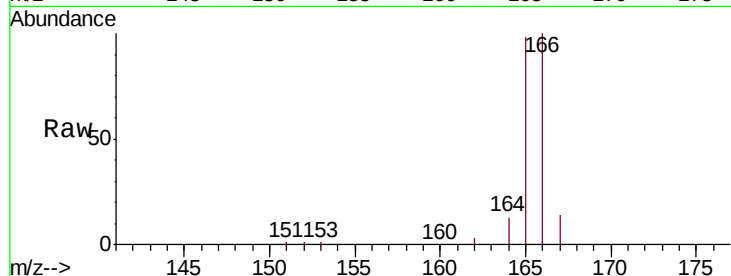
Tgt Ion:166 Resp: 14744

Ion Ratio Lower Upper

166 100

165 97.8 77.7 116.5

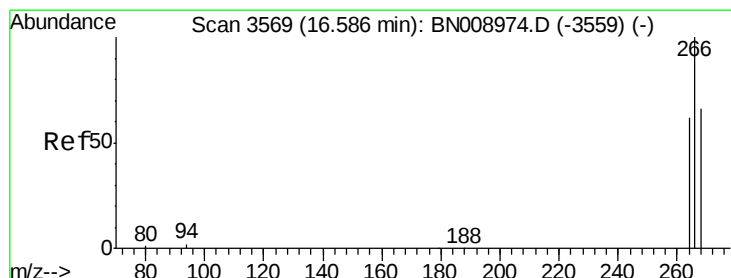
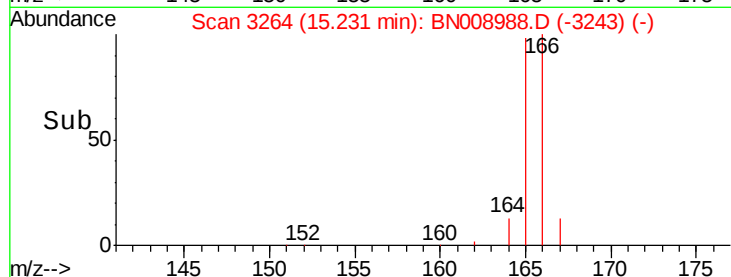
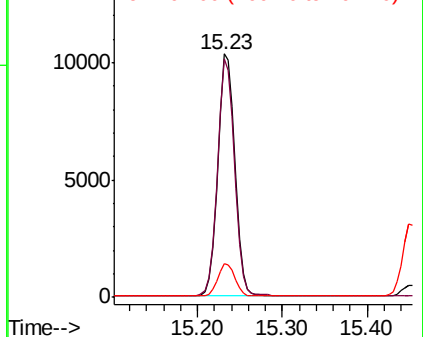
167 13.7 11.1 16.7



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: 0.300 ng/ul

RT: 16.59 min Scan# 3569

Delta R.T. 0.00 min

Lab File: BN008988.D

Acq: 14 Dec 2019 03:58

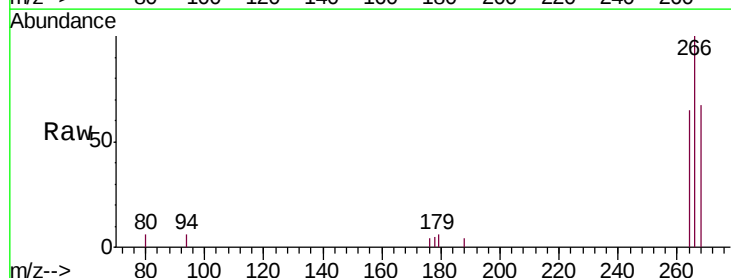
Tgt Ion:266 Resp: 2073

Ion Ratio Lower Upper

266 100

264 63.0 50.4 75.6

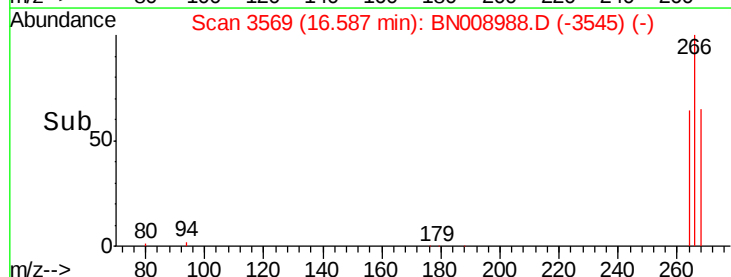
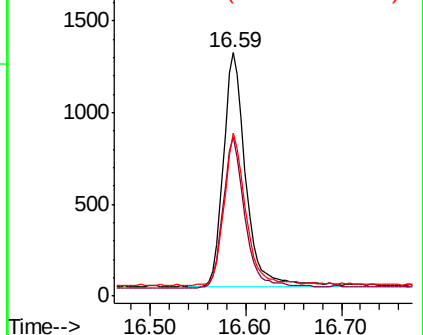
268 63.0 52.2 78.4

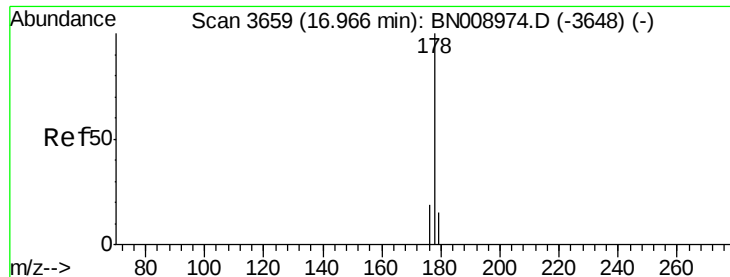


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.404 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. 0.00 min

Lab File: BN008988.D

Acq: 14 Dec 2019 03:58

Instrument :

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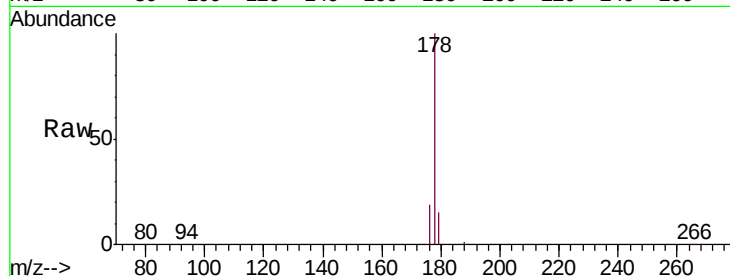
Tgt Ion:178 Resp: 24897

Ion Ratio Lower Upper

178 100

179 15.5 12.6 18.8

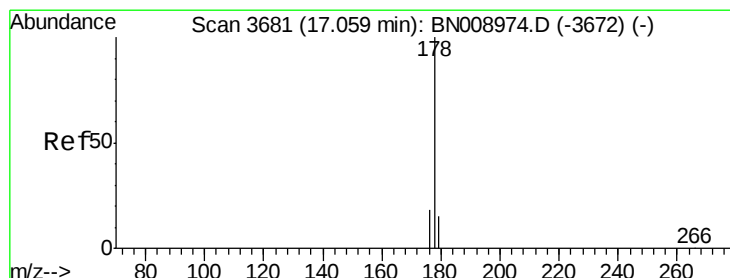
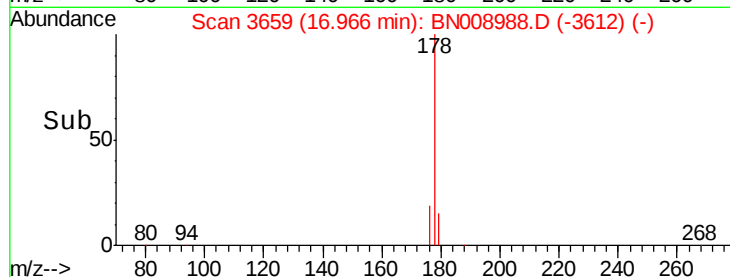
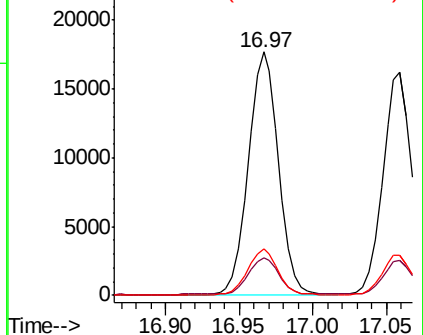
176 18.9 15.3 22.9



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: 0.392 ng/ul

RT: 17.06 min Scan# 3681

Delta R.T. 0.00 min

Lab File: BN008988.D

Acq: 14 Dec 2019 03:58

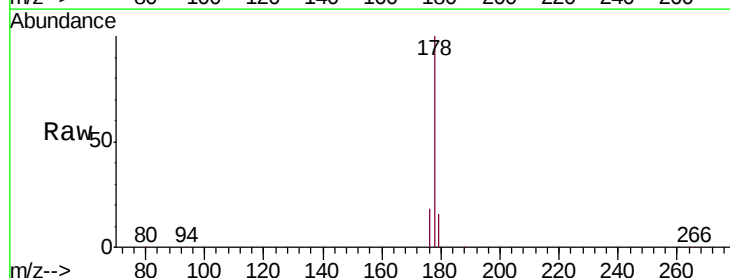
Tgt Ion:178 Resp: 22818

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

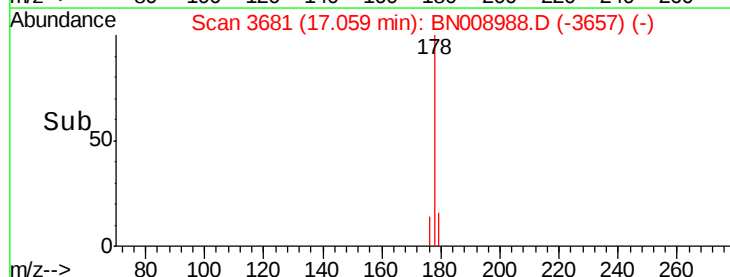
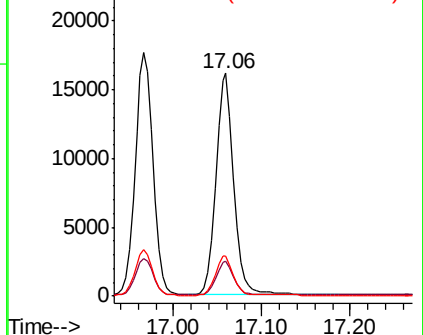
176 18.0 14.7 22.1

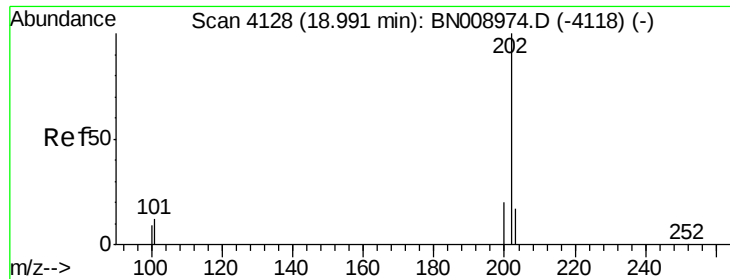


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

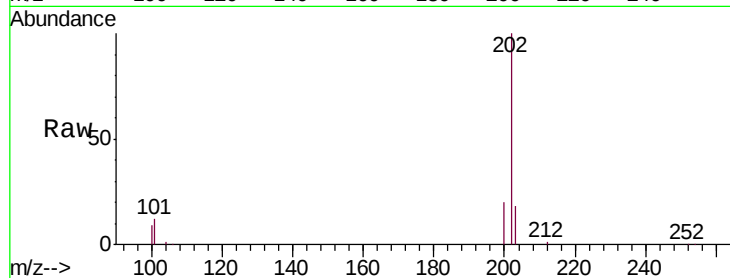




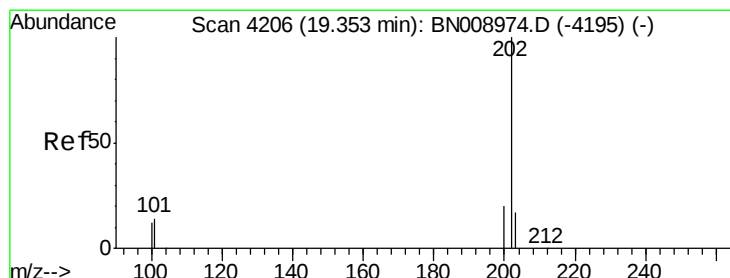
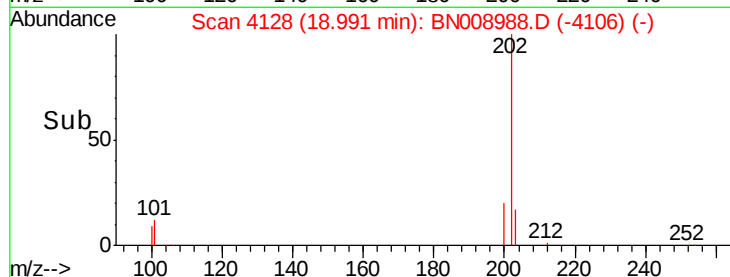
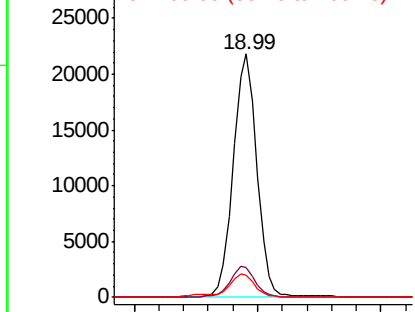
#15
Fluoranthene
 Concen: 0.379 ng/ul
 RT: 18.99 min Scan# 4128
 Delta R.T. 0.00 min
 Lab File: BN008988.D
 Acq: 14 Dec 2019 03:58

Instrument :
 BNA_N
 ClientSampleId :
 A5169MS

Tgt Ion:202 Resp: 28644
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 32.4
 100 9.2 0.0 29.2

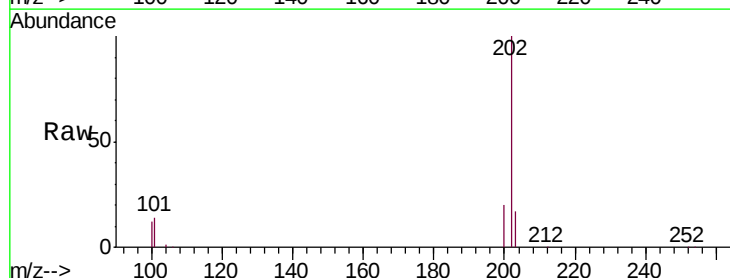


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

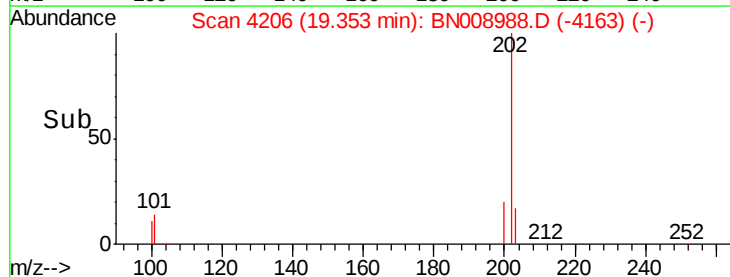
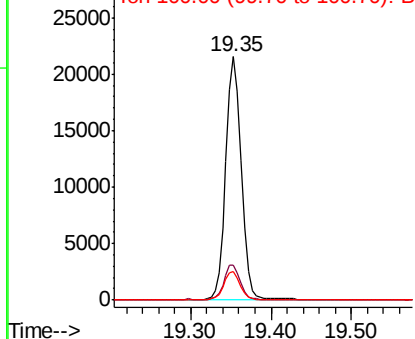


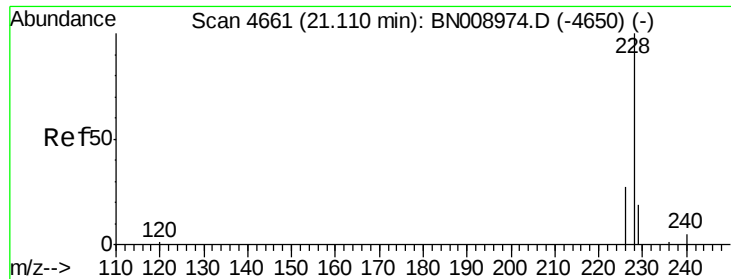
#17
Pyrene
 Concen: 0.514 ng/ul
 RT: 19.35 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: BN008988.D
 Acq: 14 Dec 2019 03:58

Tgt Ion:202 Resp: 28870
 Ion Ratio Lower Upper
 202 100
 101 14.2 12.2 18.4
 100 11.6 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: 0.460 ng/ul

RT: 21.11 min Scan# 4662

Delta R.T. 0.00 min

Lab File: BN008988.D

Acq: 14 Dec 2019 03:58

Instrument :

BNA_N

ClientSampleId :

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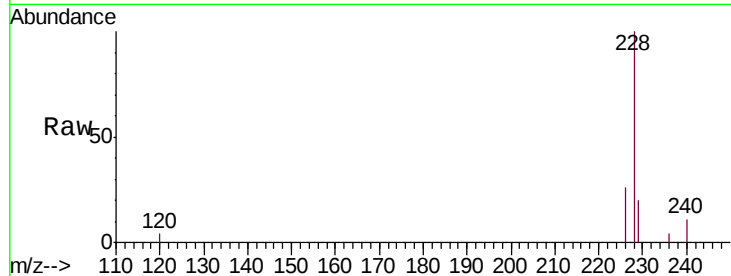
Tgt Ion:228 Resp: 25883

Ion Ratio Lower Upper

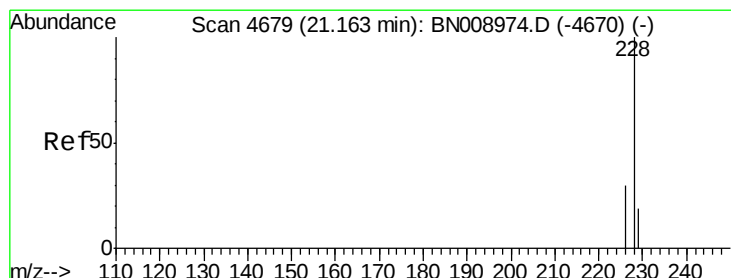
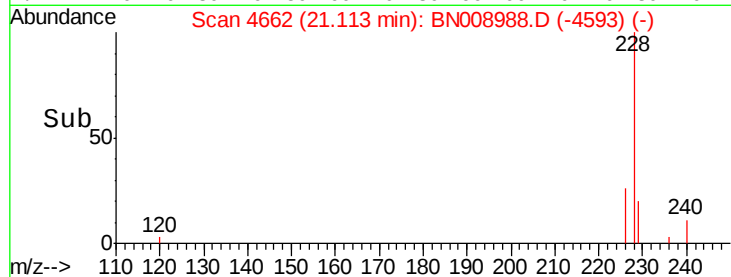
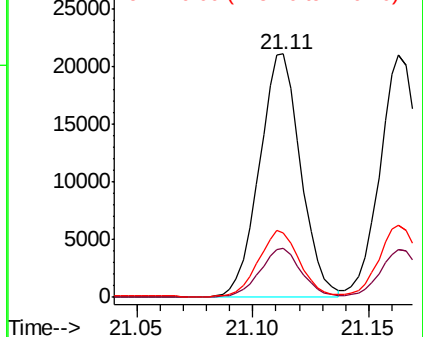
228 100

229 20.1 15.7 23.5

226 26.3 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: 0.453 ng/ul

RT: 21.16 min Scan# 4679

Delta R.T. 0.00 min

Lab File: BN008988.D

Acq: 14 Dec 2019 03:58

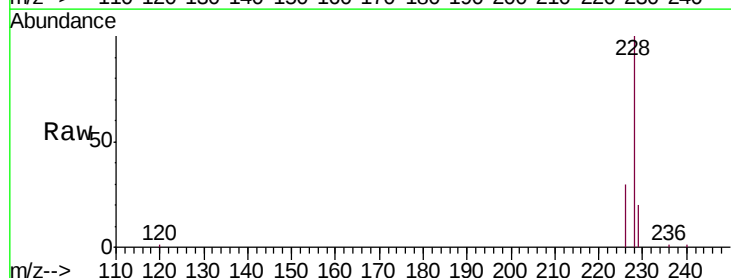
Tgt Ion:228 Resp: 25052

Ion Ratio Lower Upper

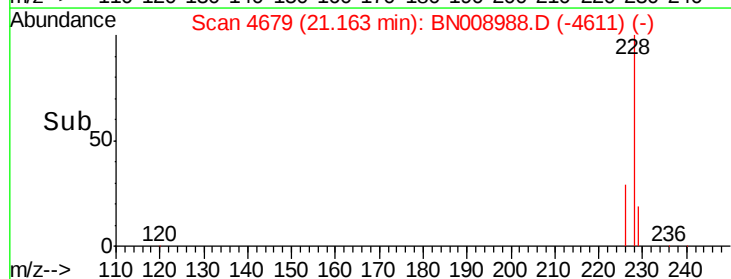
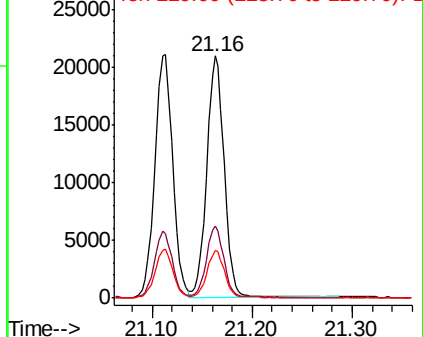
228 100

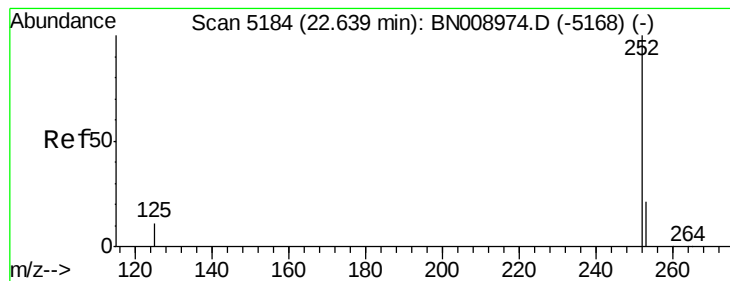
226 29.7 23.8 35.6

229 19.6 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: 0.451 ng/ul

RT: 22.64 min Scan# 5184

Delta R.T. 0.00 min

Lab File: BN008988.D

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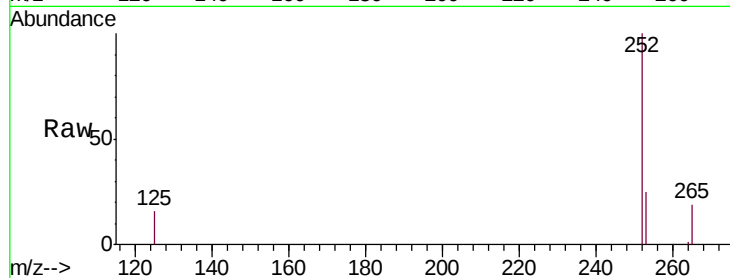
Tgt Ion:252 Resp: 20973

Ion Ratio Lower Upper

252 100

253 24.6 0.0 48.6

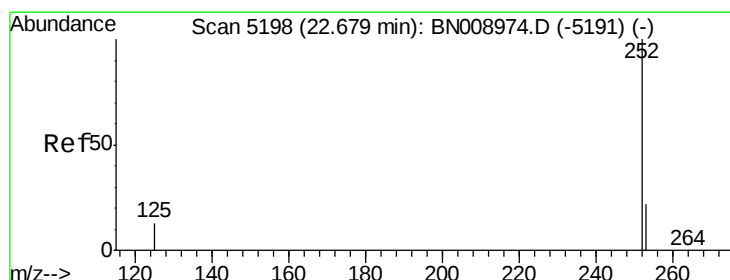
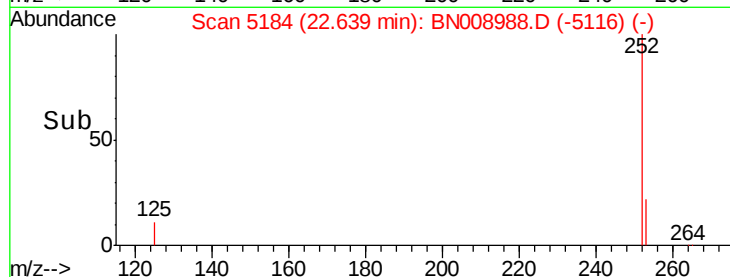
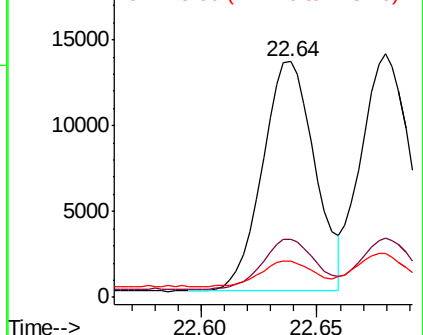
125 15.5 0.0 31.6



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# 5198

Delta R.T. 0.00 min

Lab File: BN008988.D

Acq: 14 Dec 2019 03:58

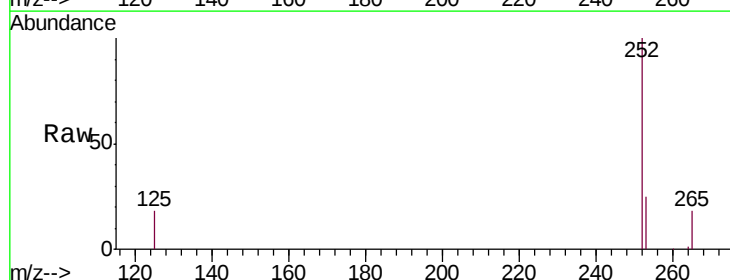
Tgt Ion:252 Resp: 20824

Ion Ratio Lower Upper

252 100

253 24.5 19.6 29.4

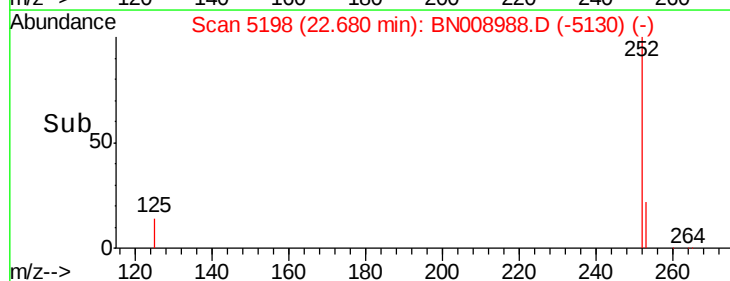
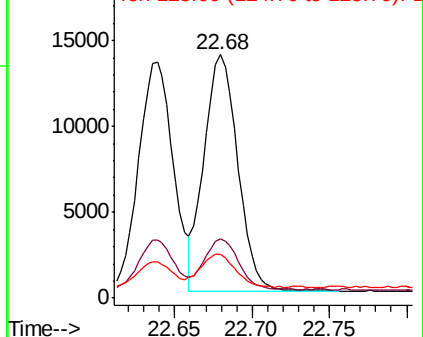
125 17.9 13.8 20.6

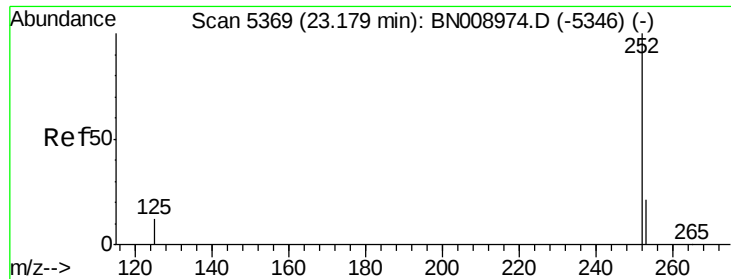


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.424 ng/ul

RT: 23.18 min Scan# 5369

Delta R.T. 0.00 min

Lab File: BN008988.D

Acq: 14 Dec 2019 03:58

Instrument :

BNA_N

ClientSampleId :

A5169MS

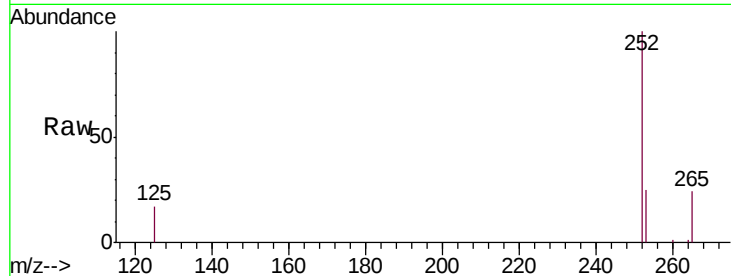
Tgt Ion:252 Resp: 18501

Ion Ratio Lower Upper

252 100

253 25.4 19.9 29.9

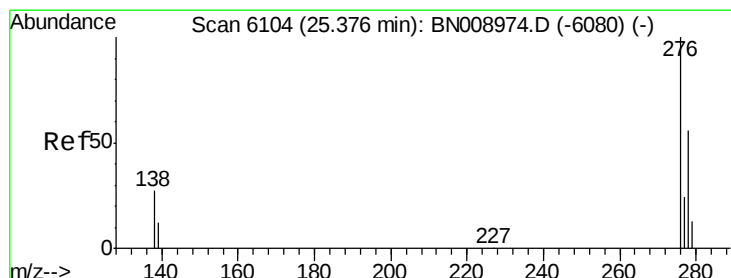
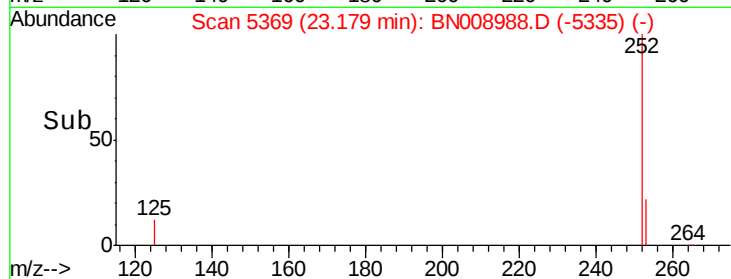
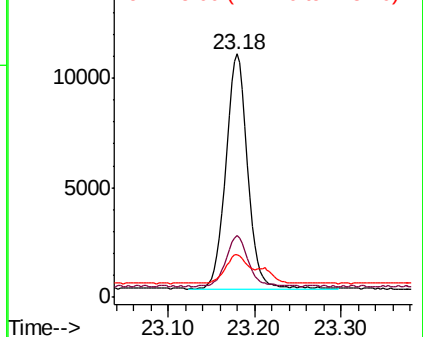
125 17.5 14.6 22.0



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: 0.371 ng/ul

RT: 25.38 min Scan# 6104

Delta R.T. 0.00 min

Lab File: BN008988.D

Acq: 14 Dec 2019 03:58

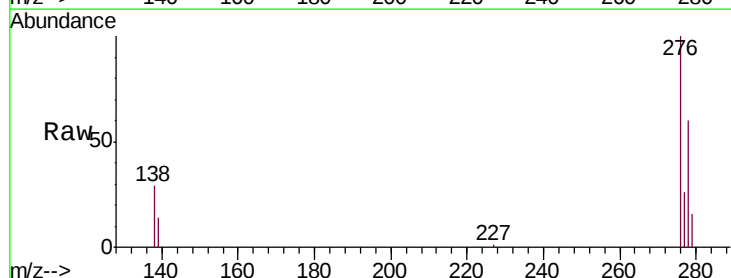
Tgt Ion:276 Resp: 18923

Ion Ratio Lower Upper

276 100

138 28.8 23.8 35.6

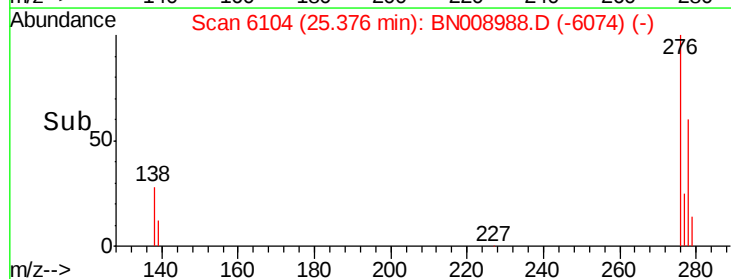
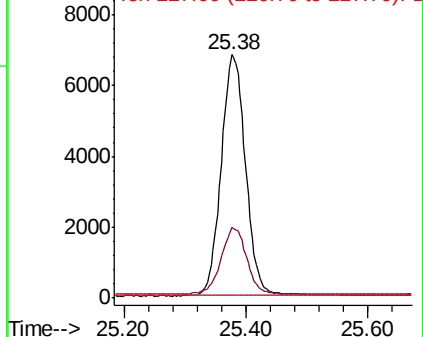
227 0.1 0.2 0.2#

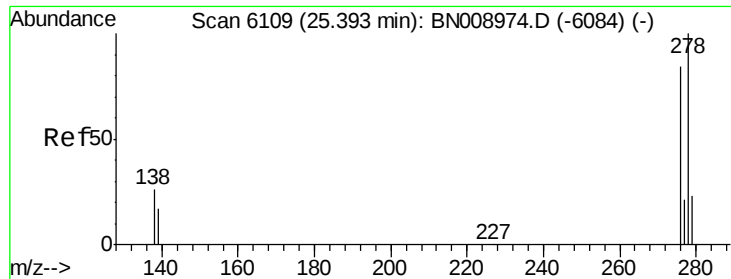


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

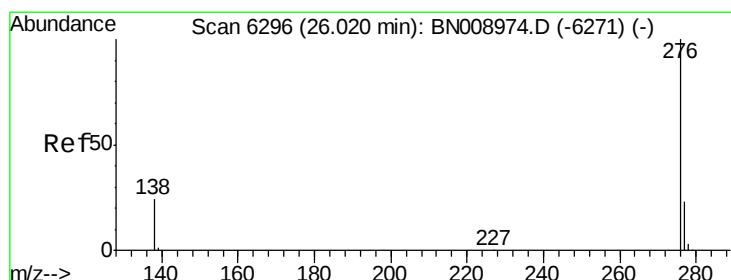
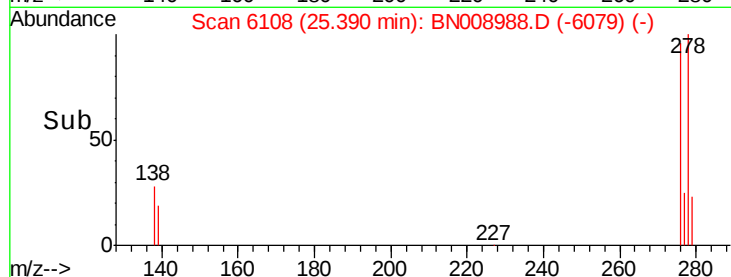
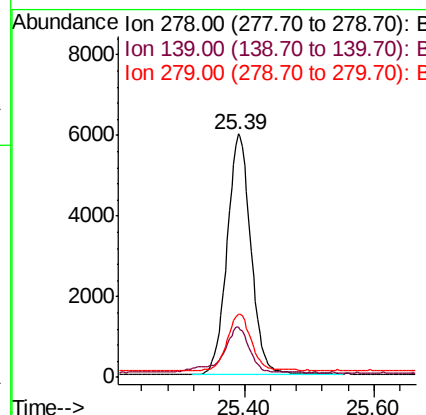
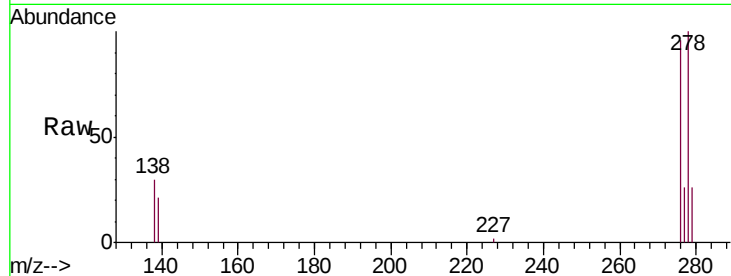




#25
Dibenzo(a,h)anthracene
Concen: 0.372 ng/ul
RT: 25.39 min Scan# 6108
Delta R.T. -0.00 min
Lab File: BN008988.D
Acq: 14 Dec 2019 03:58

Instrument :
BNA_N
ClientSampleId :
A5169MS

Tgt Ion: 278 Resp: 15306
Ion Ratio Lower Upper
278 100
139 20.5 17.4 26.0
279 25.8 20.5 30.7



#26
Benzo(g,h,i)perylene
Concen: 0.370 ng/ul
RT: 26.02 min Scan# 6295
Delta R.T. -0.00 min
Lab File: BN008988.D
Acq: 14 Dec 2019 03:58

Tgt Ion: 276 Resp: 15780
Ion Ratio Lower Upper
276 100
138 25.2 21.9 32.9
277 25.2 19.9 29.9

