

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
 Data File : BN008925.D
 Acq On : 11 Dec 2019 19:58
 Operator : JU
 Sample : K6088-10
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 12 00:22:36 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 : Wed Dec 11 10:35:08 2019
 Response via : Initial Calibration

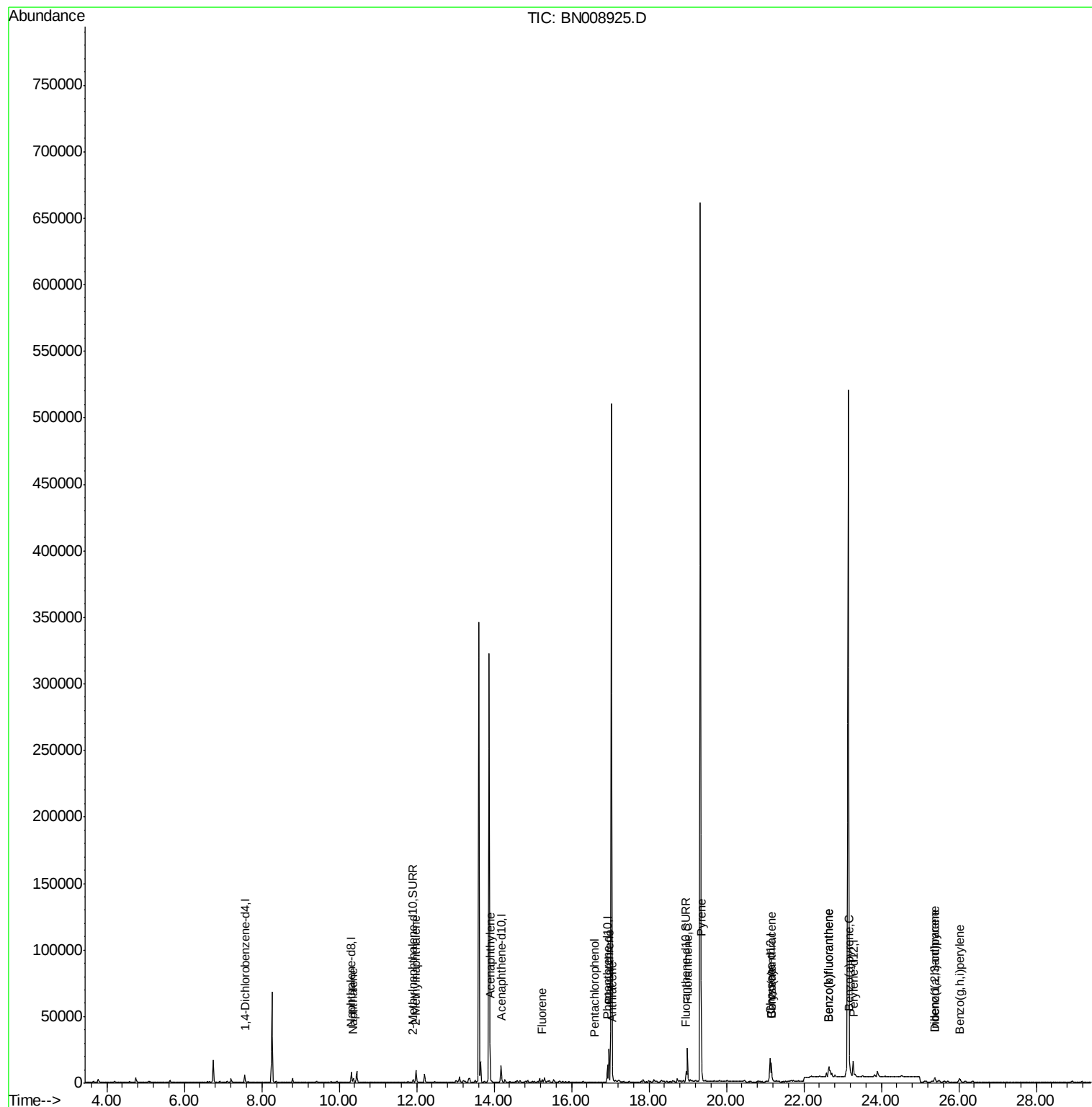
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	2146	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	9320	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	6263	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.93	188	14345	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	12696	0.40	ng/ul	0.00
20) Perylene-d12	23.28	264	13933	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	2593	0.17	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	7975	0.18	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.36	128	3444	0.123	ng/ul	96
5) 2-Methylnaphthalene	11.98	142	6358	0.324	ng/ul	100
7) Acenaphthylene	13.90	152	818	0.024	ng/ul#	72
9) Fluorene	15.24	166	1079	0.036	ng/ul#	76
11) Pentachlorophenol	16.59	266	111	0.020	ng/ul	97
12) Phenanthrene	16.97	178	27009	0.558	ng/ul	100
13) Anthracene	17.06	178	1815	0.040	ng/ul#	84
15) Fluoranthene	18.99	202	20455	0.344	ng/ul	100
17) Pyrene	19.36	202	17998	0.353	ng/ul	99
18) Benzo(a)anthracene	21.17	228	14774	0.289	ng/ul	92
19) Chrysene	21.17	228	14774	0.295	ng/ul#	95
21) Benzo(b)fluoranthene	22.64	252	15675	0.273	ng/ul	87
22) Benzo(k)fluoranthene	22.64	252	15675	0.275	ng/ul#	89
23) Benzo(a)pyrene	23.18	252	6685	0.124	ng/ul#	82
24) Indeno(1,2,3-cd)pyrene	25.38	276	4838	0.077	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.39	278	1291	0.025	ng/ul#	39
26) Benzo(a,h,i)perylene	26.02	276	4869	0.092	ng/ul	93

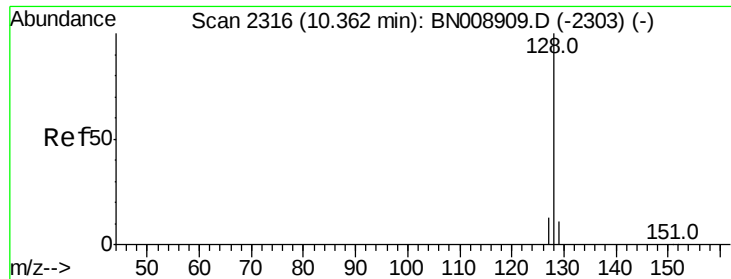
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 11 10:35:08 2019
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#3

Naphthalene

Concen: 0.123 ng/ul

RT: 10.36 min Scan# 2316

Delta R.T. 0.00 min

Lab File: BN008925.D

Acq: 11 Dec 2019 19:58

Instrument :

BNA_N

ClientSampleId :

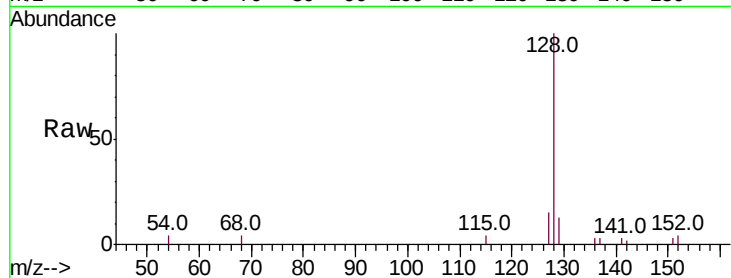
Tot Ion:128 Resp: 3444

Ion Ratio Lower Upper

128 100

129 13.0 9.1 13.7

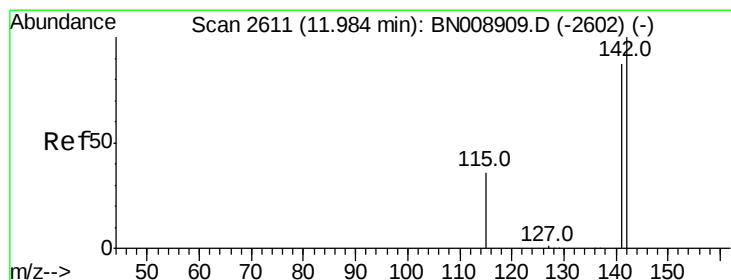
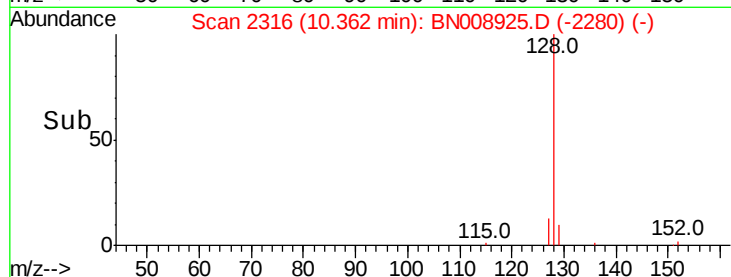
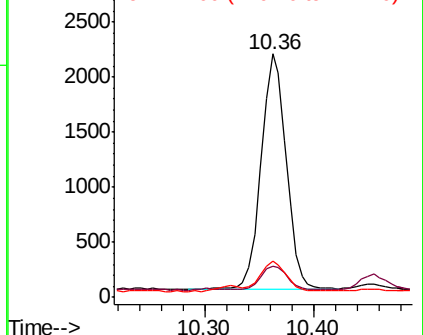
127 14.8 10.7 16.1



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: 0.324 ng/ul

RT: 11.98 min Scan# 2611

Delta R.T. 0.00 min

Lab File: BN008925.D

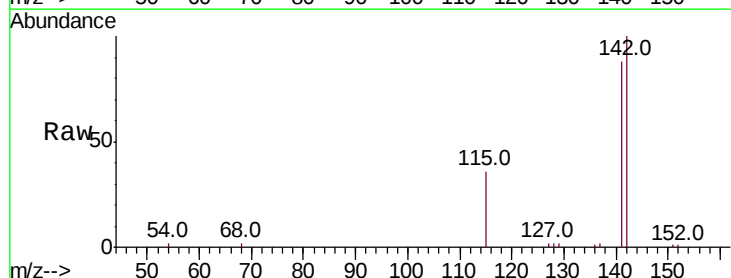
Acq: 11 Dec 2019 19:58

Tgt Ion:142 Resp: 6358

Ion Ratio Lower Upper

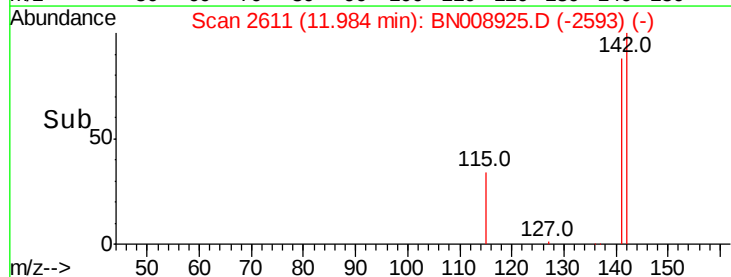
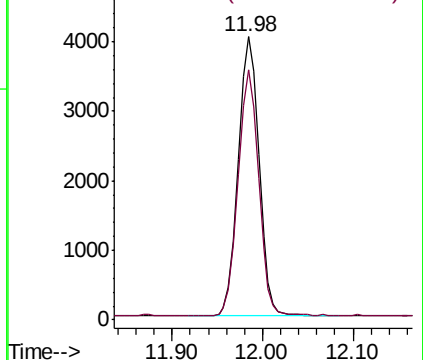
142 100

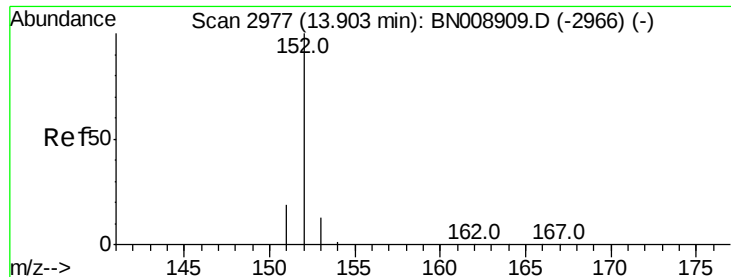
141 87.8 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.024 ng/ul

RT: 13.90 min Scan# 2977

Delta R.T. 0.00 min

Lab File: BN008925.D

Acq: 11 Dec 2019 19:58

Instrument :

BNA_N

ClientSampleId :

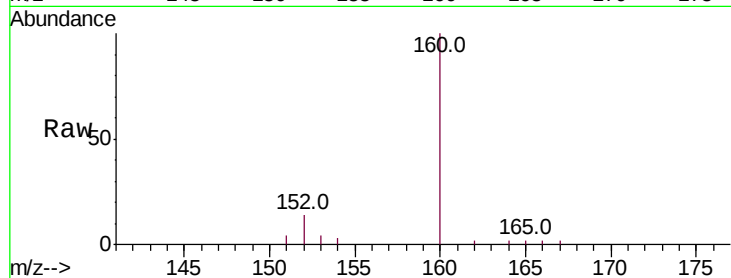
Tot Ion:152 Resp: 818

Ion Ratio Lower Upper

152 100

151 29.0 15.8 23.6#

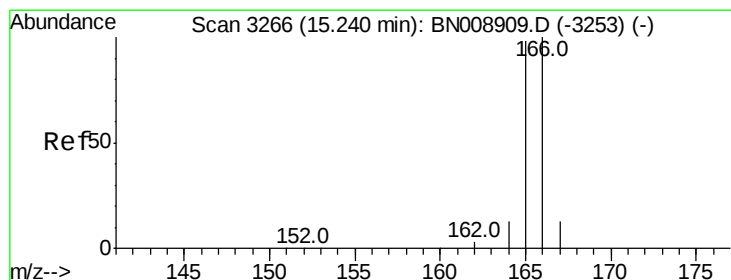
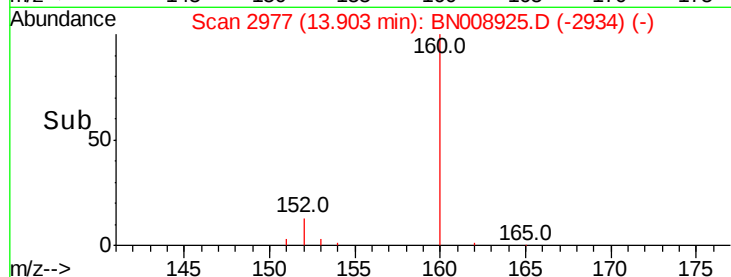
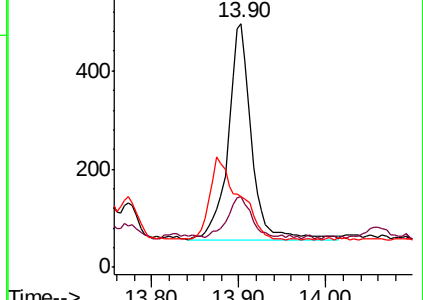
153 29.0 10.6 15.8#



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



#9

Fluorene

Concen: 0.036 ng/ul

RT: 15.24 min Scan# 3266

Delta R.T. 0.00 min

Lab File: BN008925.D

Acq: 11 Dec 2019 19:58

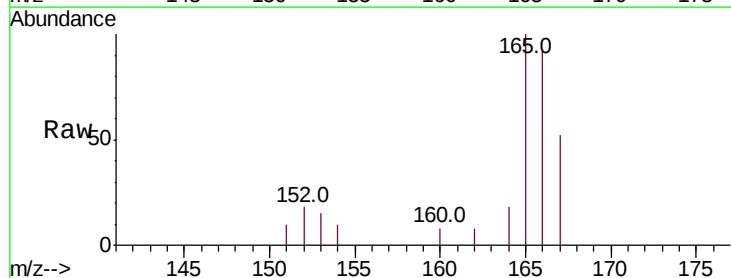
Tgt Ion:166 Resp: 1079

Ion Ratio Lower Upper

166 100

165 109.2 77.7 116.5

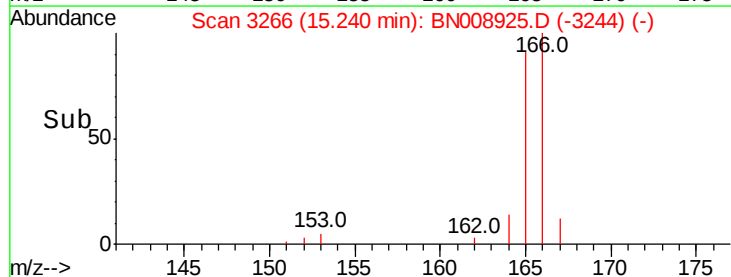
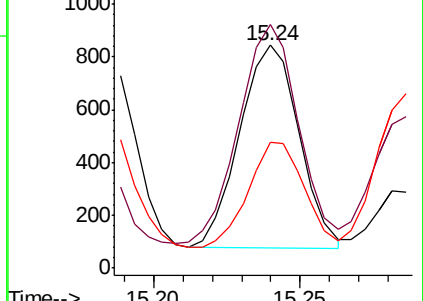
167 56.4 11.1 16.7#

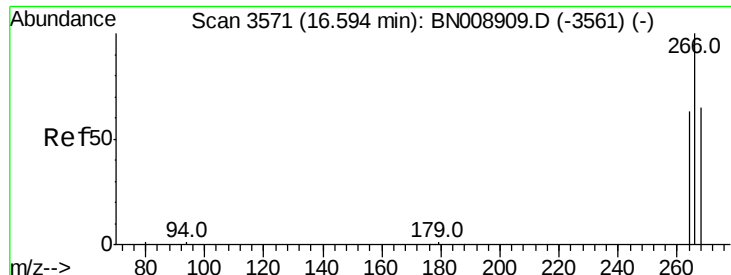


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

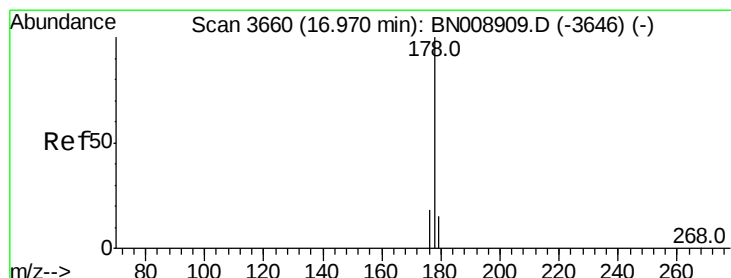
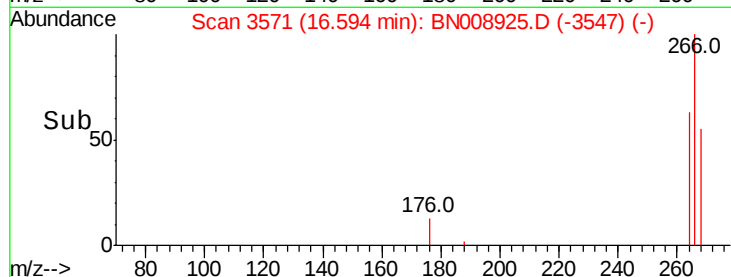
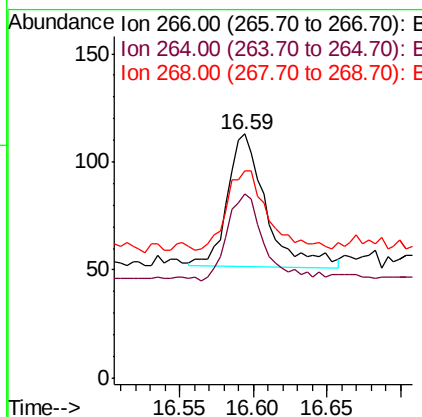
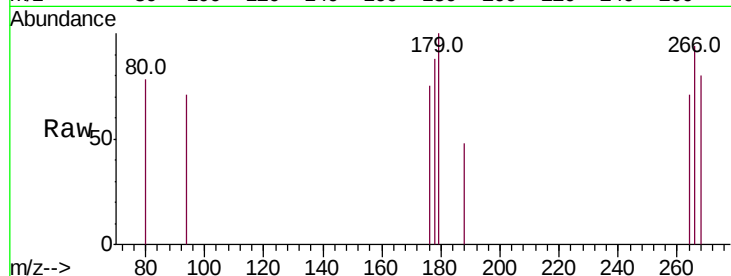




#11
 Pentachlorophenol
 Concen: 0.020 ng/ul
 RT: 16.59 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: BN008925.D
 Acq: 11 Dec 2019 19:58

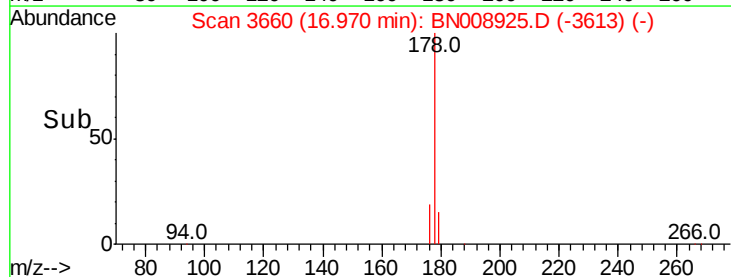
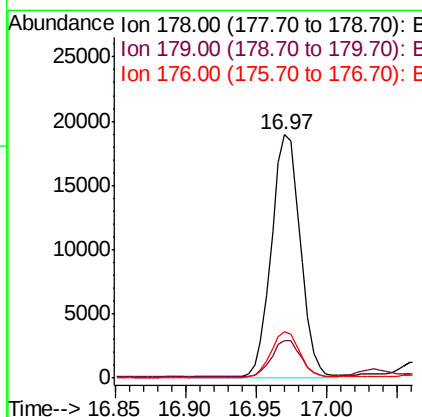
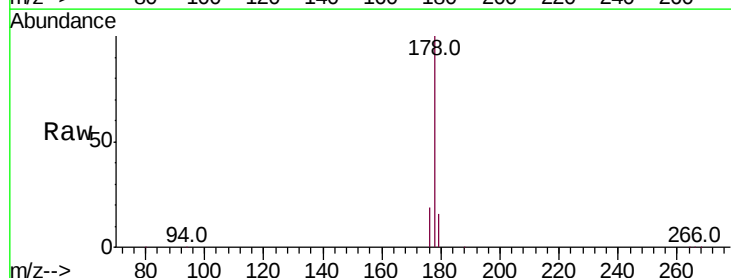
Instrument :
 BNA_N
 ClientSampleId :

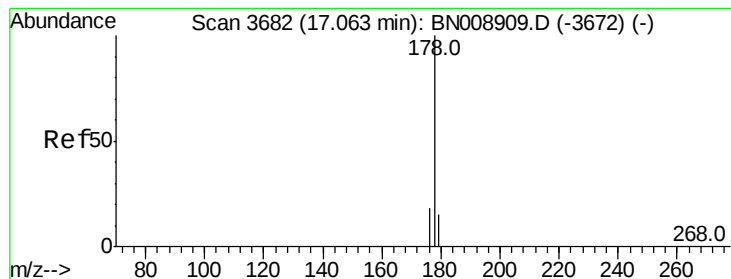
Tot Ion:266 Resp: 111
 Ion Ratio Lower Upper
 266 100
 264 67.6 50.4 75.6
 268 64.9 52.2 78.4



#12
 Phenanthrene
 Concen: 0.558 ng/ul
 RT: 16.97 min Scan# 3660
 Delta R.T. 0.00 min
 Lab File: BN008925.D
 Acq: 11 Dec 2019 19:58

Tgt Ion:178 Resp: 27009
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.6 18.8
 176 18.9 15.3 22.9





#13

Anthracene

Concen: 0.040 ng/ul

RT: 17.06 min Scan# 3682

Delta R.T. 0.00 min

Lab File: BN008925.D

Acq: 11 Dec 2019 19:58

Instrument :

BNA_N

ClientSampleId :

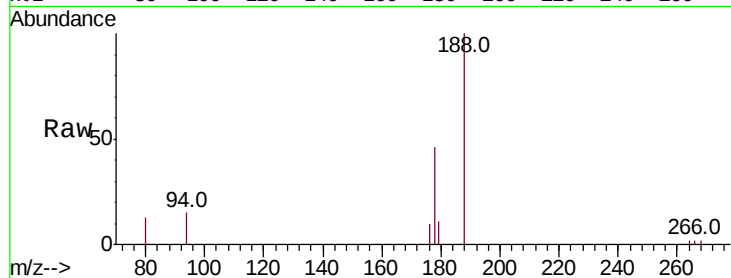
Tot Ion:178 Resp: 1815

Ion Ratio Lower Upper

178 100

179 24.7 12.2 18.4#

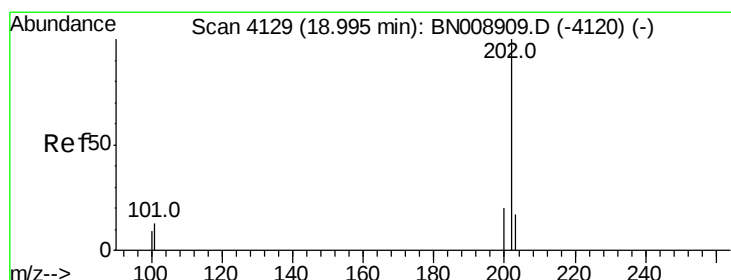
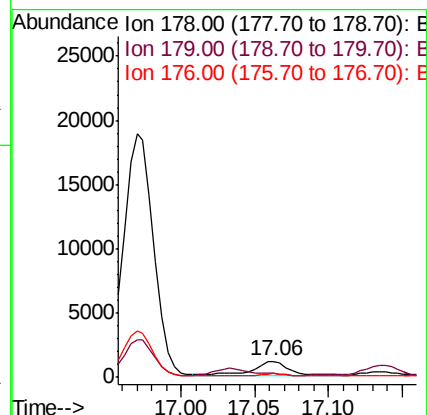
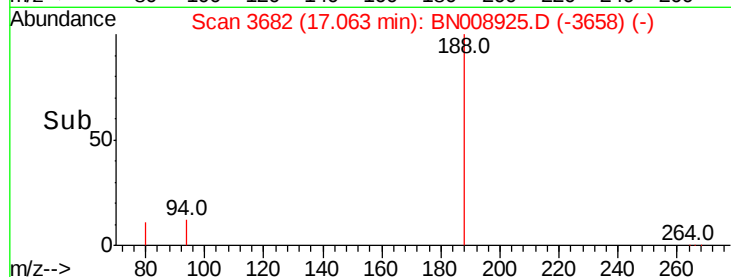
176 22.8 14.7 22.1#



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: 0.344 ng/ul

RT: 18.99 min Scan# 4129

Delta R.T. 0.00 min

Lab File: BN008925.D

Acq: 11 Dec 2019 19:58

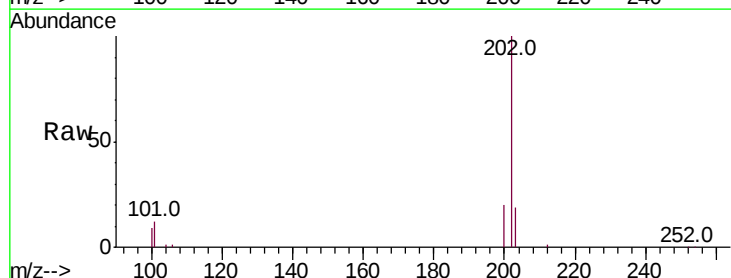
Tgt Ion:202 Resp: 20455

Ion Ratio Lower Upper

202 100

101 12.5 0.0 32.4

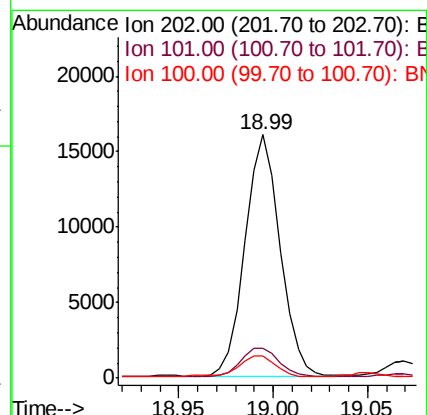
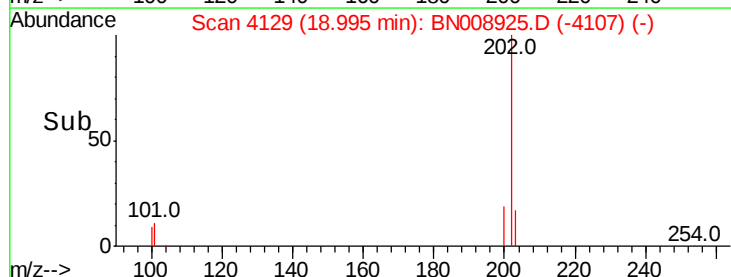
100 9.2 0.0 29.2

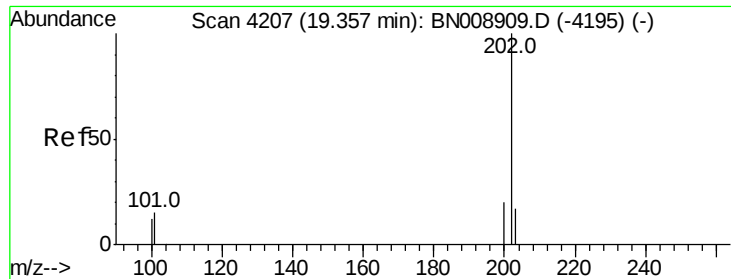


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pvrene

Concen: 0.353 ng/ul

RT: 19.36 min Scan# 4207

Delta R.T. 0.00 min

Lab File: BN008925.D

Acq: 11 Dec 2019 19:58

Instrument :

BNA_N

ClientSampleId :

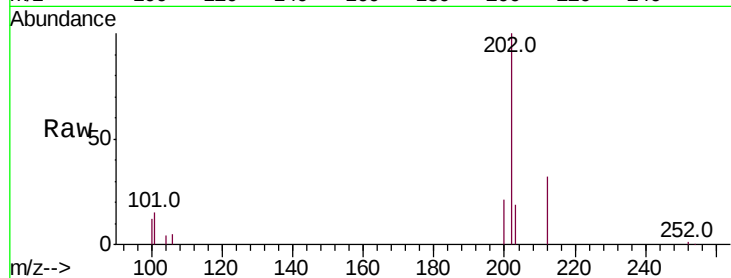
Tot Ion:202 Resp: 17998

Ion Ratio Lower Upper

202 100

101 14.8 12.2 18.4

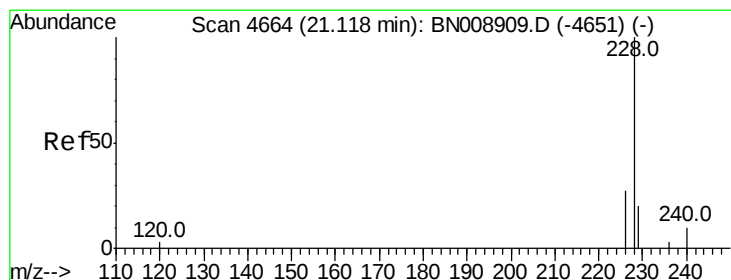
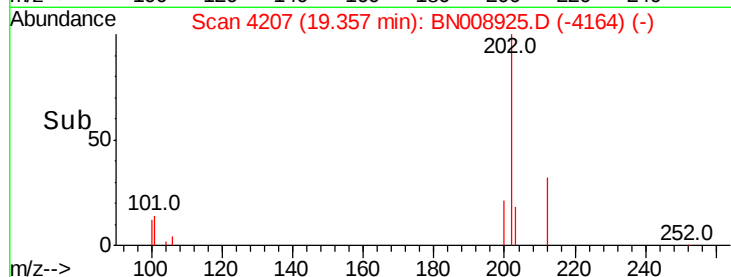
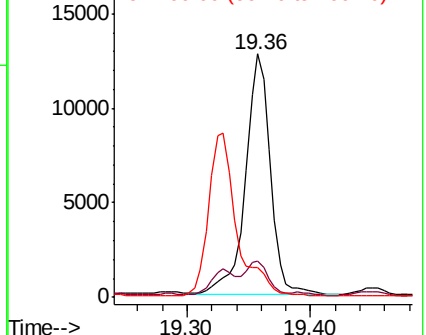
100 12.1 9.5 14.3



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: 0.289 ng/ul

RT: 21.17 min Scan# 4680

Delta R.T. 0.05 min

Lab File: BN008925.D

Acq: 11 Dec 2019 19:58

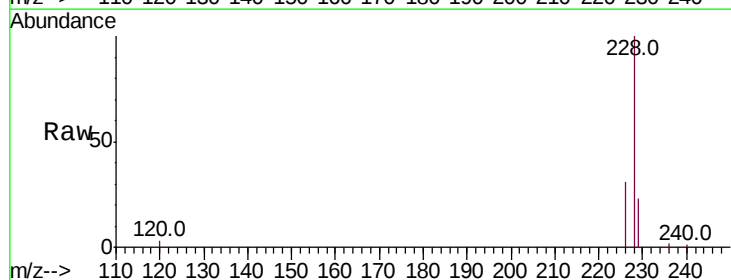
Tgt Ion:228 Resp: 14774

Ion Ratio Lower Upper

228 100

229 23.5 15.7 23.5

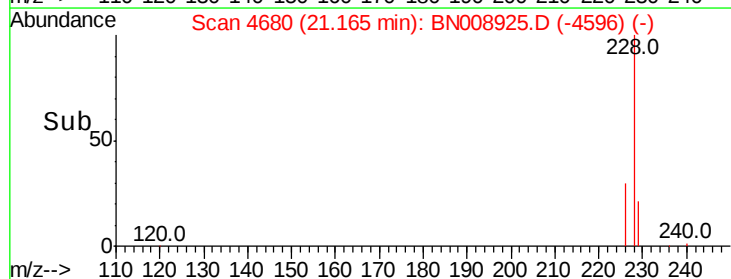
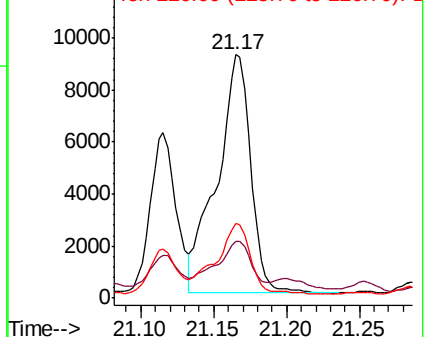
226 30.9 21.5 32.3

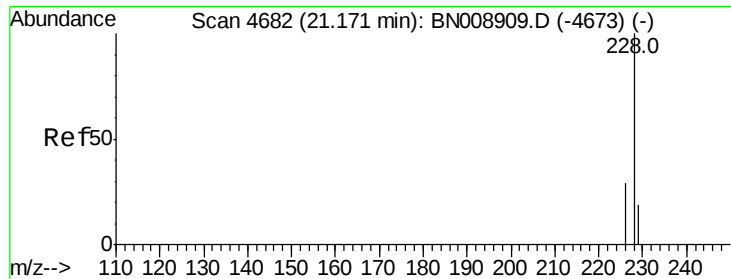


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.295 ng/ul

RT: 21.17 min Scan# 4680

Delta R.T. -0.01 min

Lab File: BN008925.D

Acq: 11 Dec 2019 19:58

Instrument :

BNA_N

ClientSampleId :

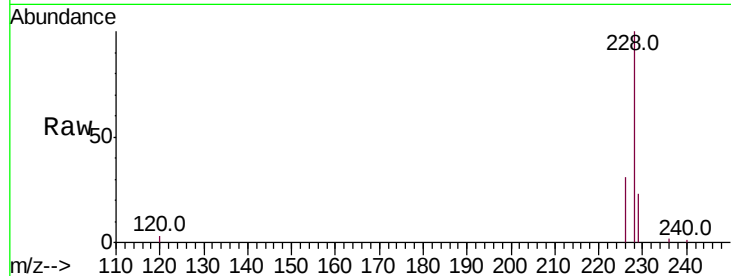
Tot Ion:228 Resp: 14774

Ion Ratio Lower Upper

228 100

226 30.9 23.8 35.6

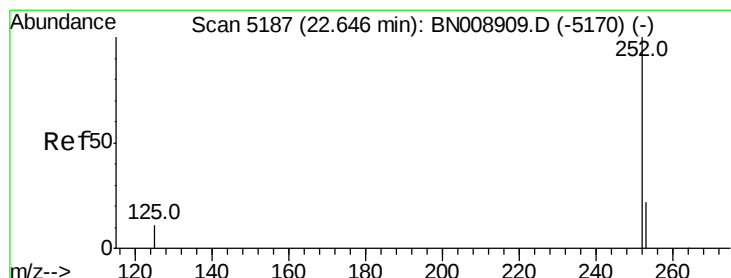
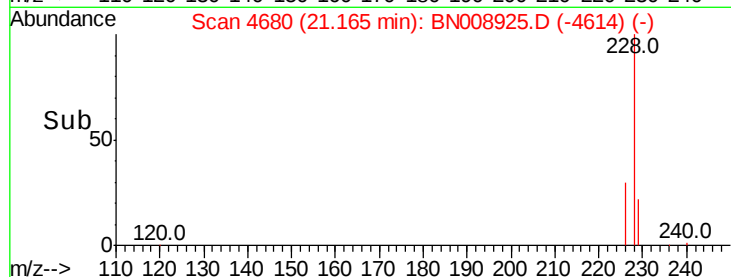
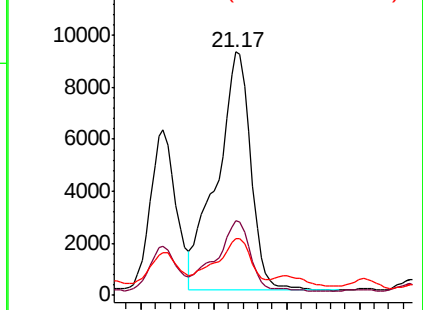
229 23.5 15.6 23.4#



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: 0.273 ng/ul

RT: 22.64 min Scan# 5186

Delta R.T. -0.00 min

Lab File: BN008925.D

Acq: 11 Dec 2019 19:58

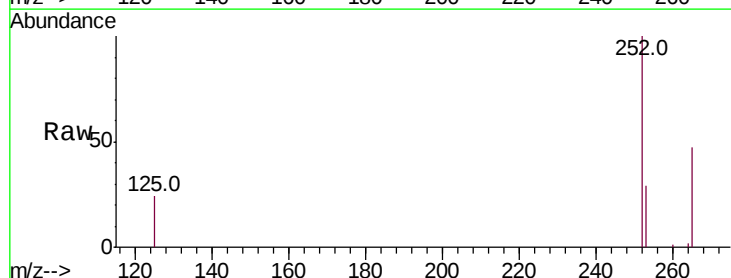
Tgt Ion:252 Resp: 15675

Ion Ratio Lower Upper

252 100

253 28.9 0.0 48.6

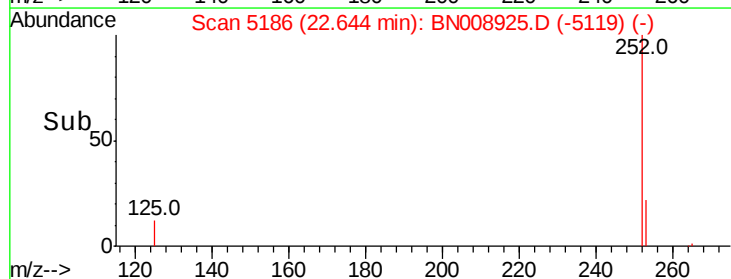
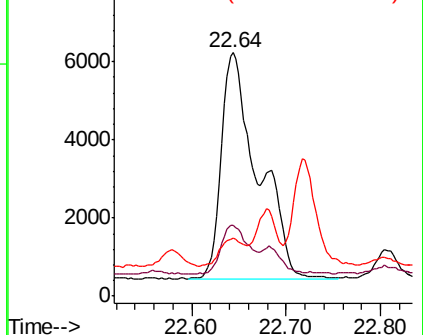
125 23.6 0.0 31.6

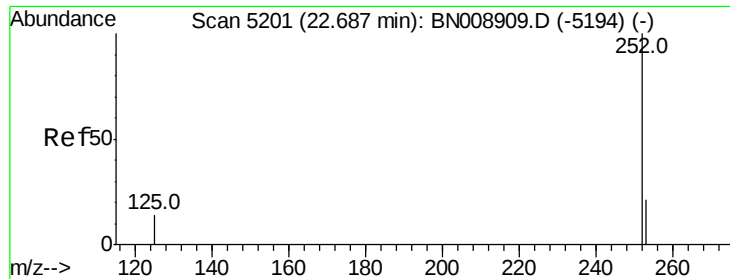


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.275 ng/ul

RT: 22.64 min Scan# 5186

Delta R.T. -0.04 min

Lab File: BN008925.D

Acq: 11 Dec 2019 19:58

Instrument :

BNA_N

ClientSampleId :

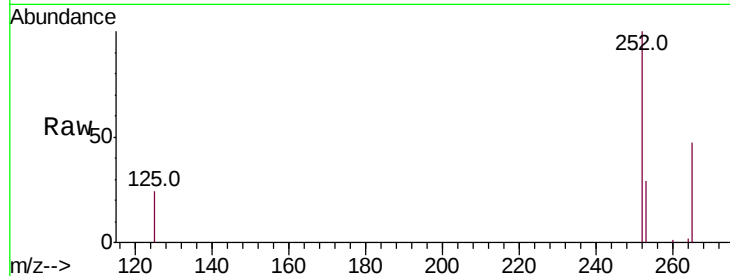
Tot Ion:252 Resp: 15675

Ion Ratio Lower Upper

252 100

253 28.9 19.6 29.4

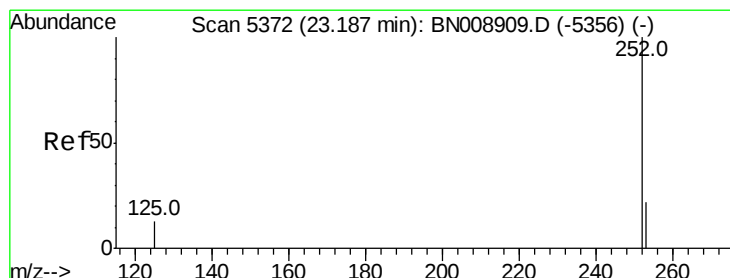
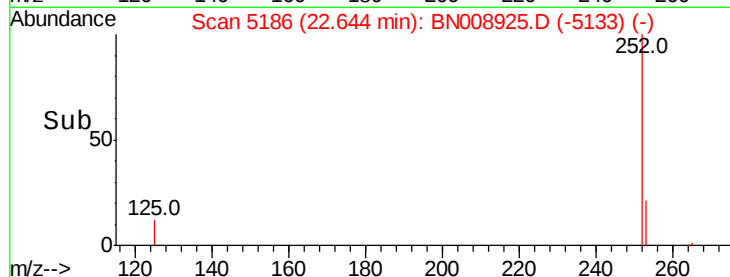
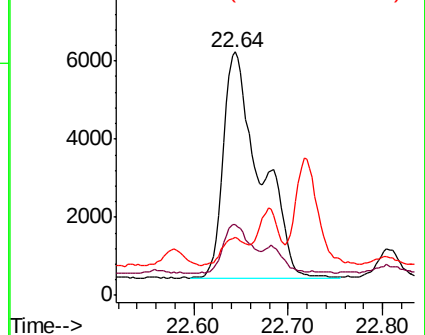
125 23.6 13.8 20.6#



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: 0.124 ng/ul

RT: 23.18 min Scan# 5371

Delta R.T. -0.00 min

Lab File: BN008925.D

Acq: 11 Dec 2019 19:58

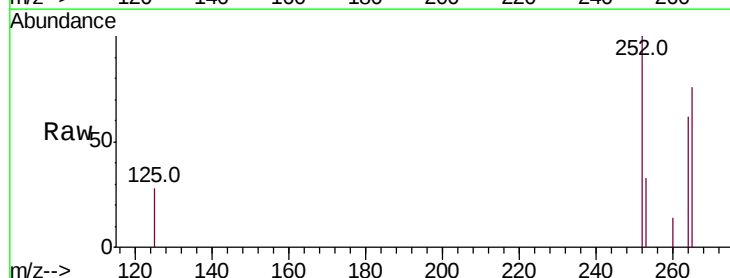
Tgt Ion:252 Resp: 6685

Ion Ratio Lower Upper

252 100

253 32.5 19.9 29.9#

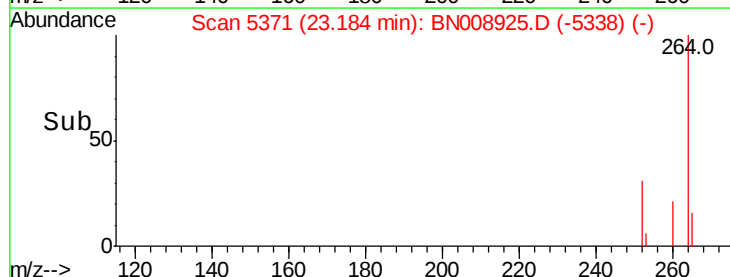
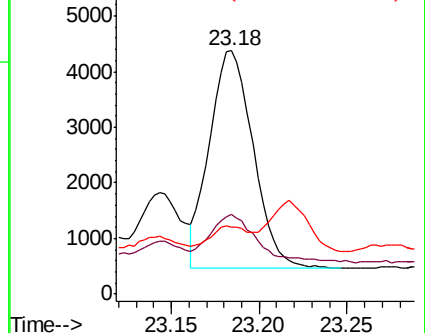
125 27.6 14.6 22.0#

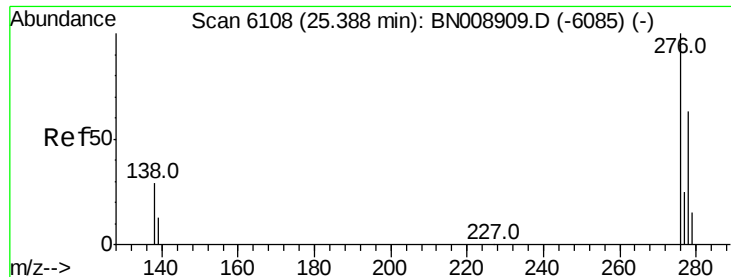


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



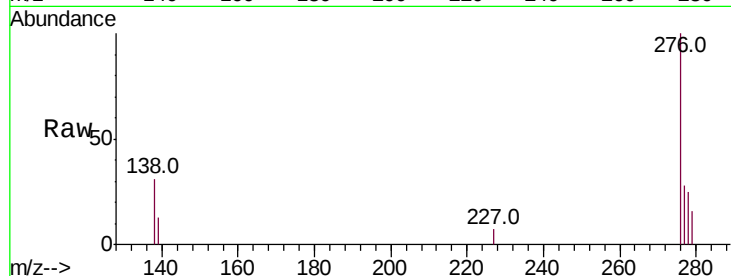


#24

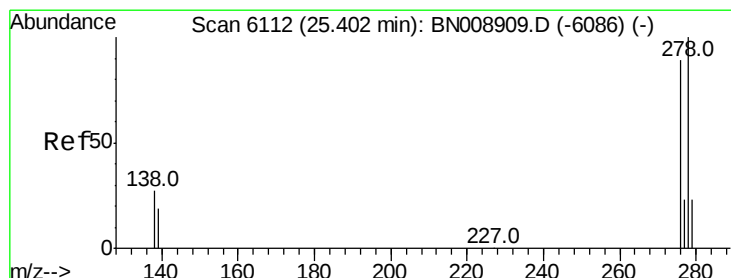
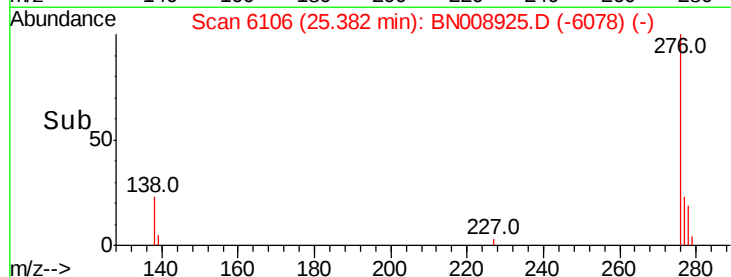
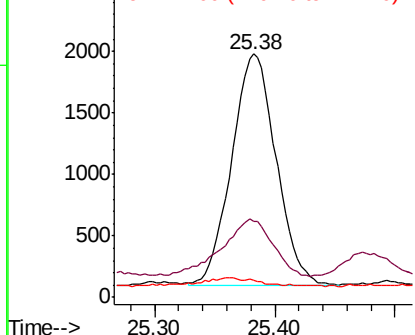
Indeno(1,2,3-cd)pyrene
Concen: 0.077 ng/ul
RT: 25.38 min Scan# 6106
Delta R.T. -0.01 min
Lab File: BN008925.D
Acq: 11 Dec 2019 19:58

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 4838
Ion Ratio Lower Upper
276 100
138 28.6 23.8 35.6
227 0.0 0.2 0.2#



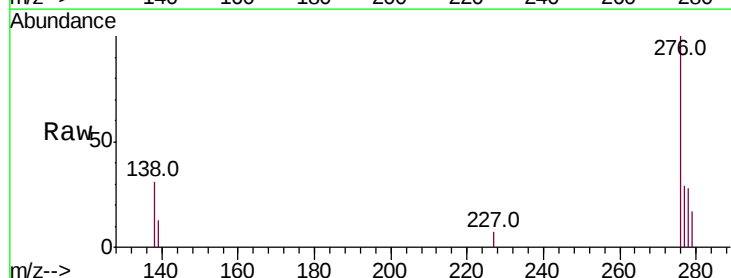
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



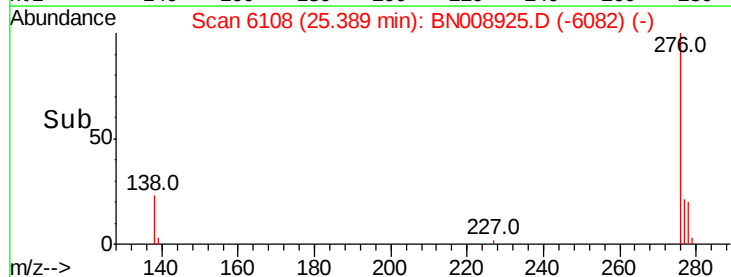
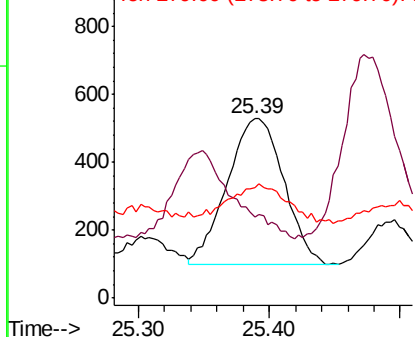
#25

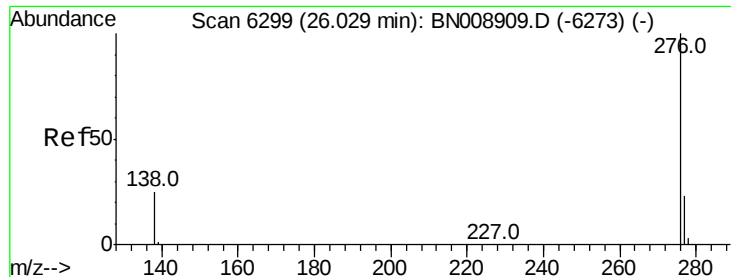
Dibenzo(a,h)anthracene
Concen: 0.025 ng/ul
RT: 25.39 min Scan# 6108
Delta R.T. -0.01 min
Lab File: BN008925.D
Acq: 11 Dec 2019 19:58

Tgt Ion:278 Resp: 1291
Ion Ratio Lower Upper
278 100
139 45.4 17.4 26.0#
279 61.5 20.5 30.7#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.092 ng/ul

RT: 26.02 min Scan# 6296

Delta R.T. -0.01 min

Lab File: BN008925.D

Acq: 11 Dec 2019 19:58

Instrument :

BNA_N

ClientSampleId :

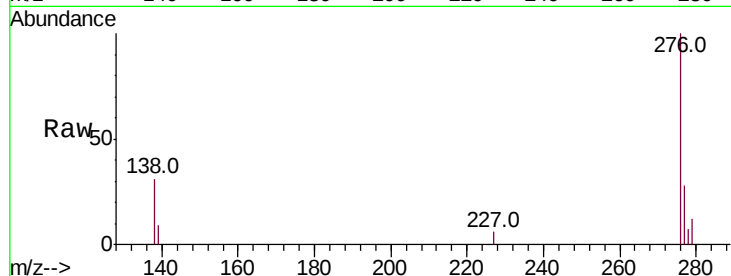
Tot Ion:276 Resp: 4869

Ion Ratio Lower Upper

276 100

138 31.1 21.9 32.9

277 28.5 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

