

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
 Data File : BN008926.D
 Acq On : 11 Dec 2019 20:33
 Operator : JU
 Sample : K6088-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 12 00:22:44 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

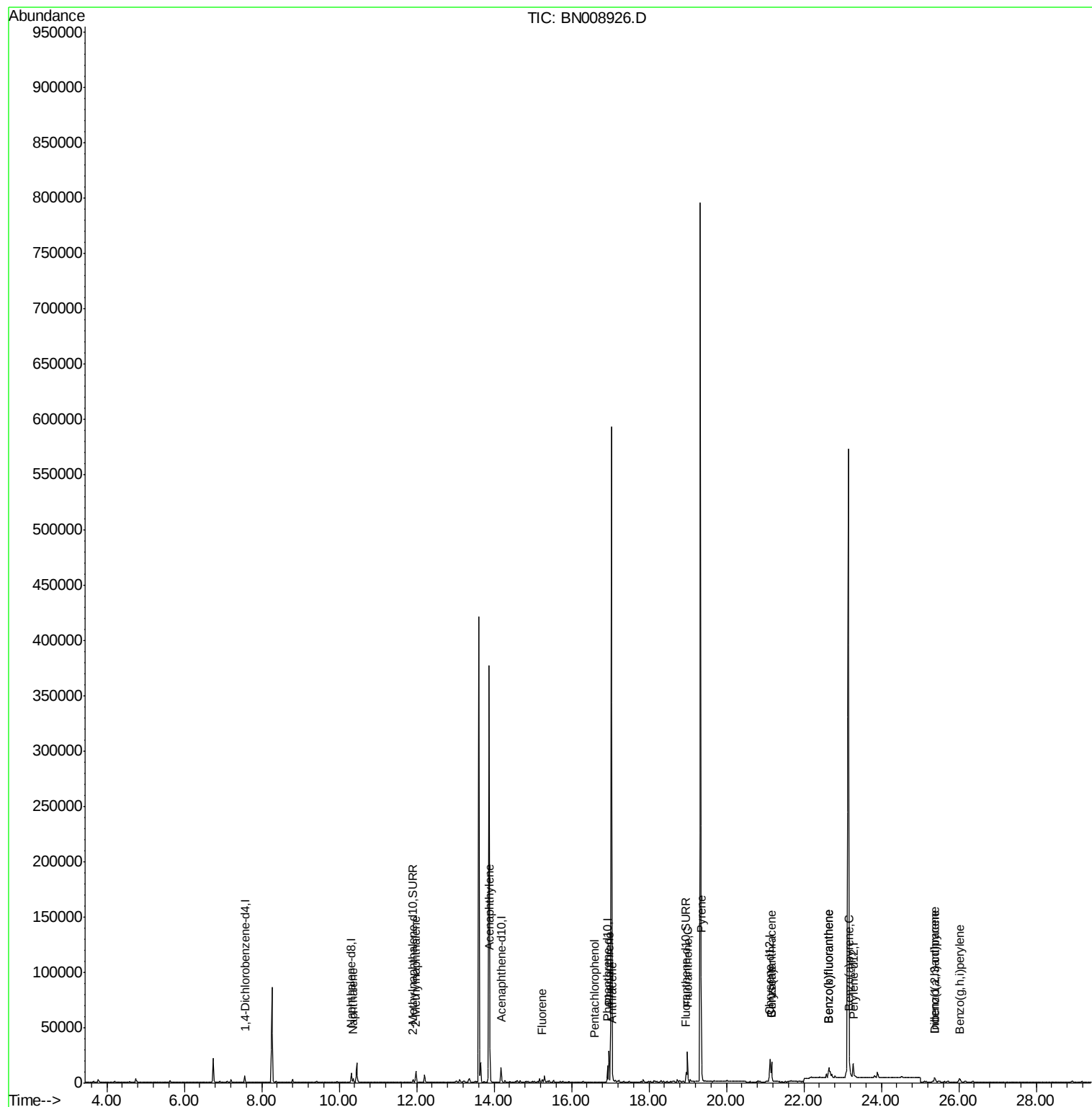
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	2399	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	10535	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	6981	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.93	188	16066	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	14412	0.40	ng/ul	0.00
20) Perylene-d12	23.28	264	15466	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	3055	0.18	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	9568	0.20	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.36	128	3869	0.122	ng/ul#	95
5) 2-Methylnaphthalene	11.98	142	7053	0.318	ng/ul	99
7) Acenaphthylene	13.90	152	1086	0.028	ng/ul#	77
9) Fluorene	15.24	166	1303	0.039	ng/ul#	84
11) Pentachlorophenol	16.59	266	147	0.024	ng/ul	97
12) Phenanthrene	16.97	178	29370	0.542	ng/ul	100
13) Anthracene	17.06	178	2113	0.041	ng/ul#	88
15) Fluoranthene	19.00	202	23443	0.352	ng/ul	99
17) Pyrene	19.36	202	21469	0.371	ng/ul	99
18) Benzo(a)anthracene	21.17	228	17823	0.308	ng/ul	94
19) Chrysene	21.17	228	17823	0.313	ng/ul	97
21) Benzo(b)fluoranthene	22.64	252	18147	0.285	ng/ul	88
22) Benzo(k)fluoranthene	22.64	252	18147	0.287	ng/ul#	89
23) Benzo(a)pyrene	23.19	252	8063	0.135	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.38	276	5517	0.079	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.40	278	1480	0.026	ng/ul#	41
26) Benzo(a,h,i)perylene	26.02	276	5401	0.092	ng/ul	92

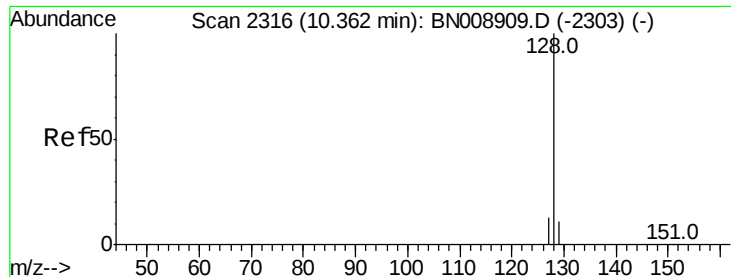
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.122 ng/ul

RT: 10.36 min Scan# 2316

Delta R.T. -0.00 min

Lab File: BN008926.D

Acq: 11 Dec 2019 20:33

Instrument :

BNA_N

ClientSampleId :

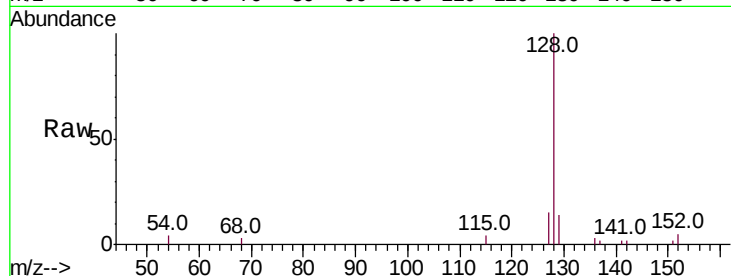
Tot Ion:128 Resp: 3869

Ion Ratio Lower Upper

128 100

129 13.8 9.1 13.7#

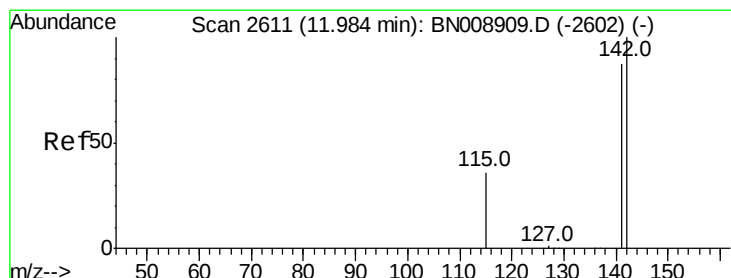
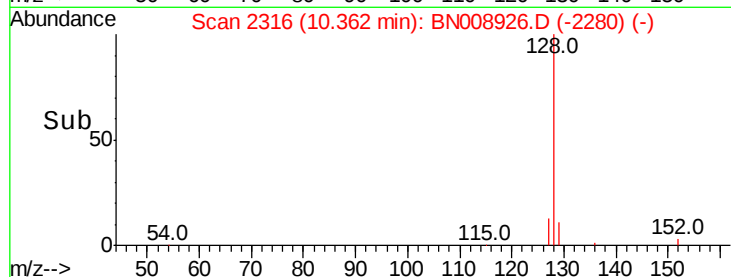
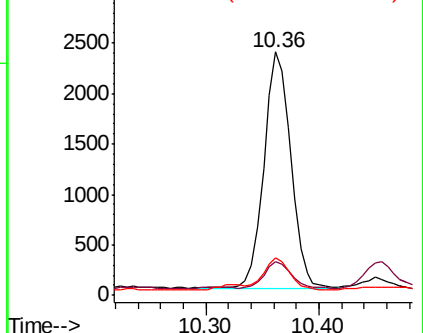
127 15.3 10.7 16.1



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: 0.318 ng/ul

RT: 11.98 min Scan# 2611

Delta R.T. -0.00 min

Lab File: BN008926.D

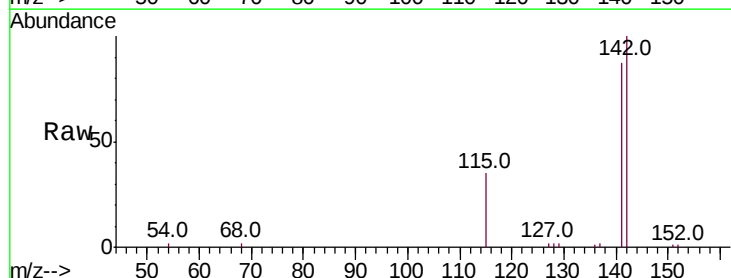
Acq: 11 Dec 2019 20:33

Tgt Ion:142 Resp: 7053

Ion Ratio Lower Upper

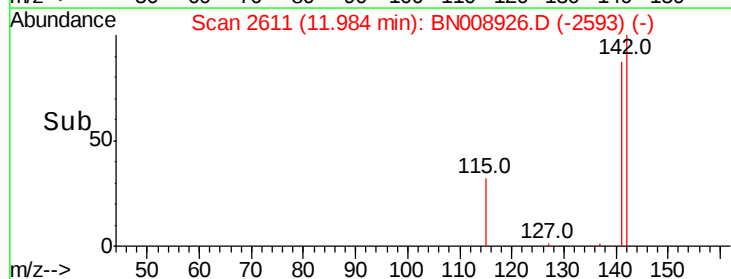
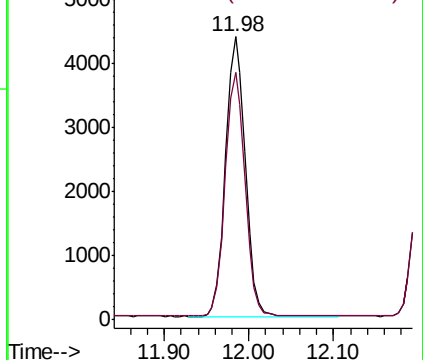
142 100

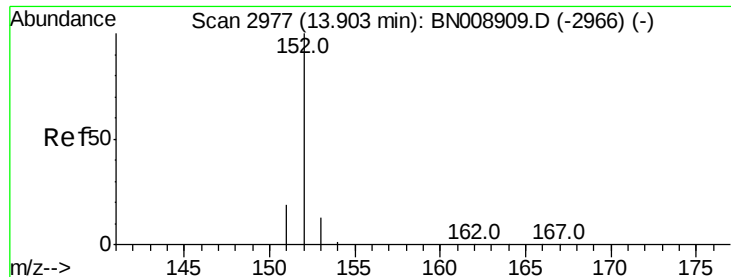
141 87.1 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.028 ng/ul

RT: 13.90 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BN008926.D

Acq: 11 Dec 2019 20:33

Instrument :

BNA_N

ClientSampleId :

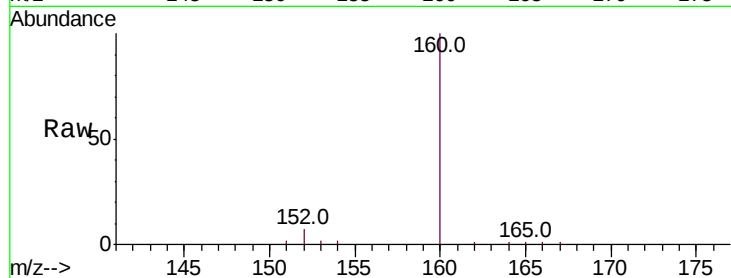
Tot Ion:152 Resp: 1086

Ion Ratio Lower Upper

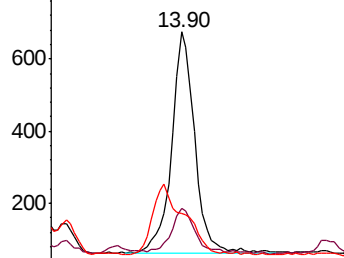
152 100

151 27.7 15.8 23.6#

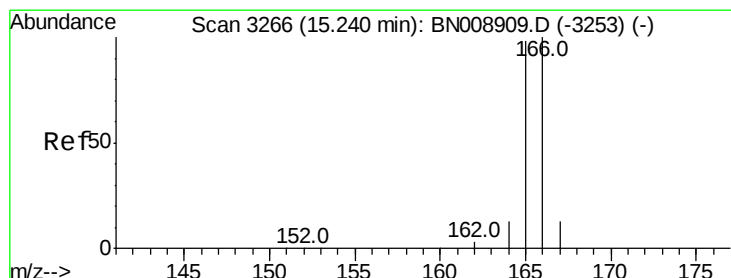
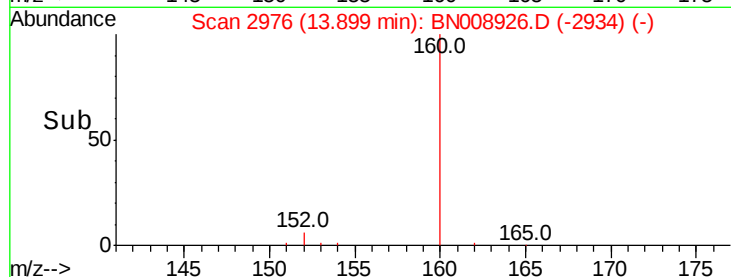
153 25.6 10.6 15.8#



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



Time-->



#9

Fluorene

Concen: 0.039 ng/ul

RT: 15.24 min Scan# 3266

Delta R.T. 0.00 min

Lab File: BN008926.D

Acq: 11 Dec 2019 20:33

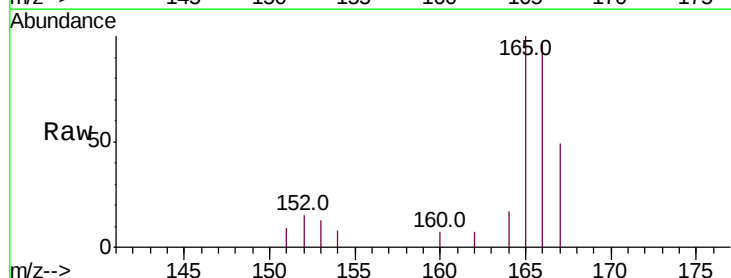
Tgt Ion:166 Resp: 1303

Ion Ratio Lower Upper

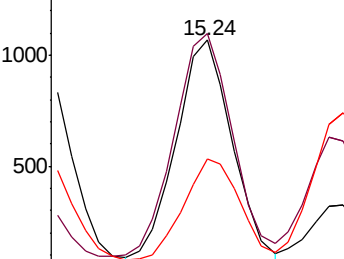
166 100

165 102.7 77.7 116.5

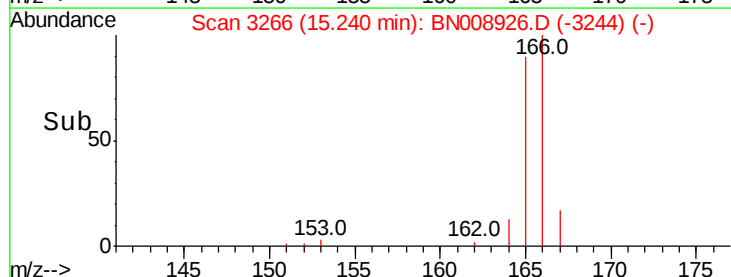
167 49.9 11.1 16.7#

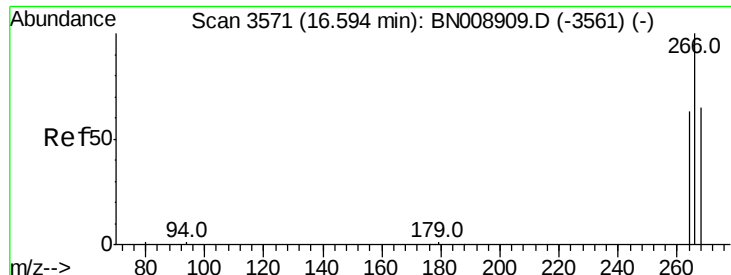


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



Time-->

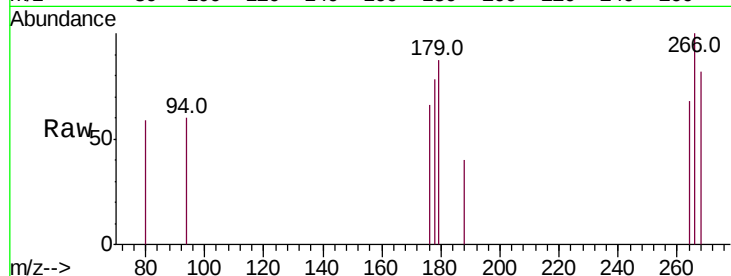




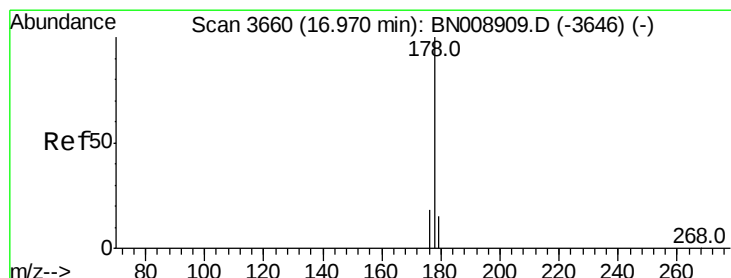
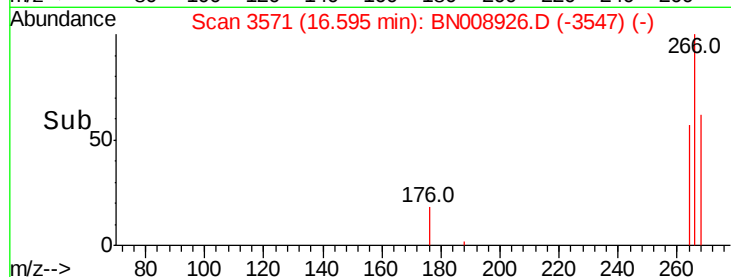
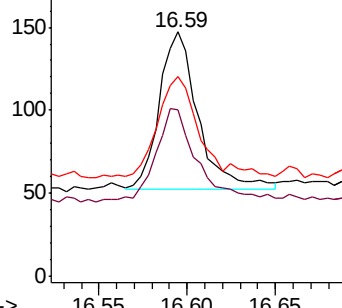
#11
 Pentachlorophenol
 Concen: 0.024 ng/ul
 RT: 16.59 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: BN008926.D
 Acq: 11 Dec 2019 20:33

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:266 Resp: 147
 Ion Ratio Lower Upper
 266 100
 264 63.3 50.4 75.6
 268 70.1 52.2 78.4

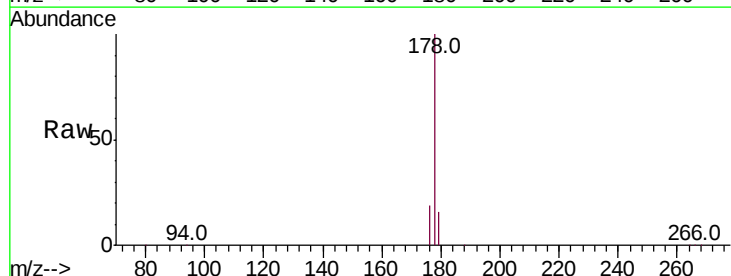


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

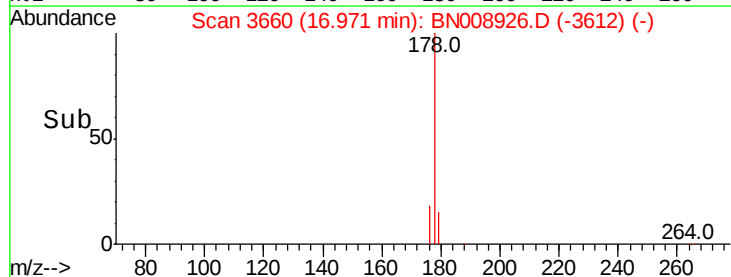
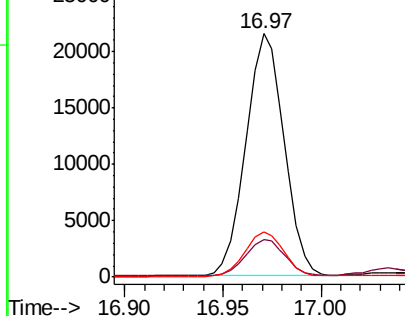


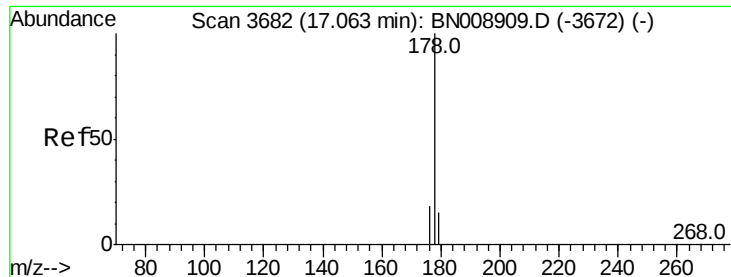
#12
 Phenanthrene
 Concen: 0.542 ng/ul
 RT: 16.97 min Scan# 3660
 Delta R.T. 0.00 min
 Lab File: BN008926.D
 Acq: 11 Dec 2019 20:33

Tgt Ion:178 Resp: 29370
 Ion Ratio Lower Upper
 178 100
 179 15.6 12.6 18.8
 176 18.8 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: 0.041 ng/ul

RT: 17.06 min Scan# 3682

Delta R.T. 0.00 min

Lab File: BN008926.D

Acq: 11 Dec 2019 20:33

Instrument :

BNA_N

ClientSampleId :

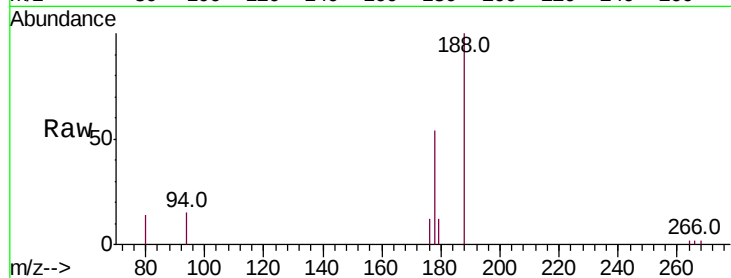
Tot Ion:178 Resp: 2113

Ion Ratio Lower Upper

178 100

179 23.0 12.2 18.4#

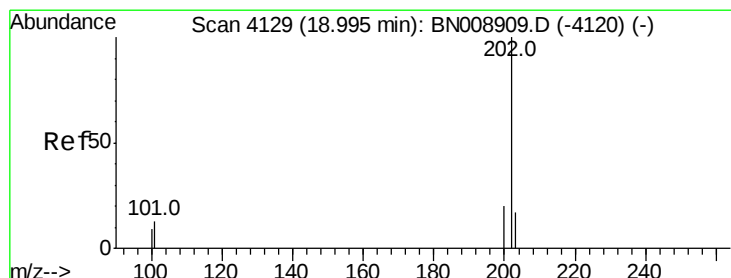
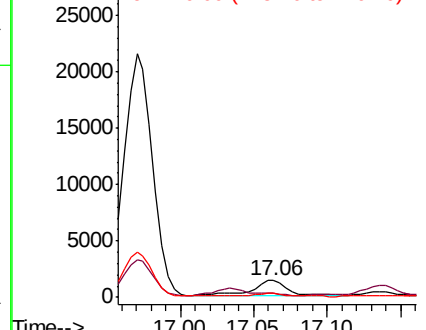
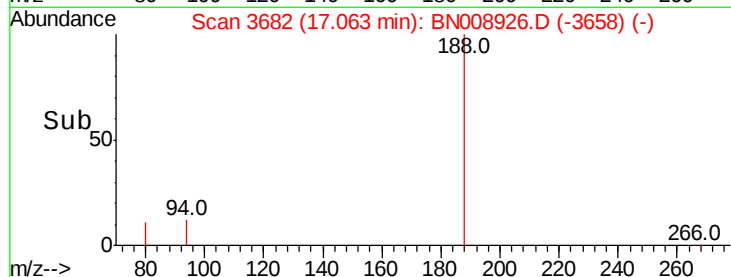
176 21.6 14.7 22.1



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: 0.352 ng/ul

RT: 19.00 min Scan# 4129

Delta R.T. 0.00 min

Lab File: BN008926.D

Acq: 11 Dec 2019 20:33

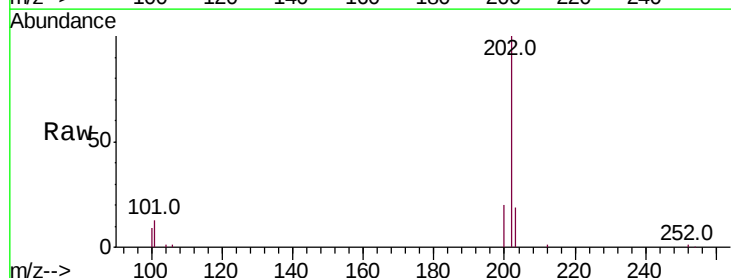
Tgt Ion:202 Resp: 23443

Ion Ratio Lower Upper

202 100

101 12.7 0.0 32.4

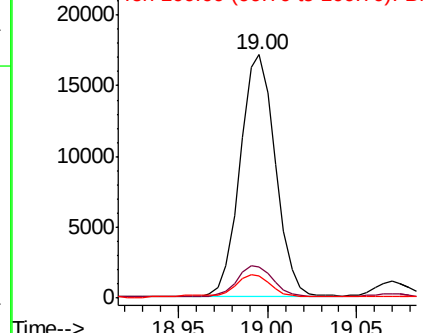
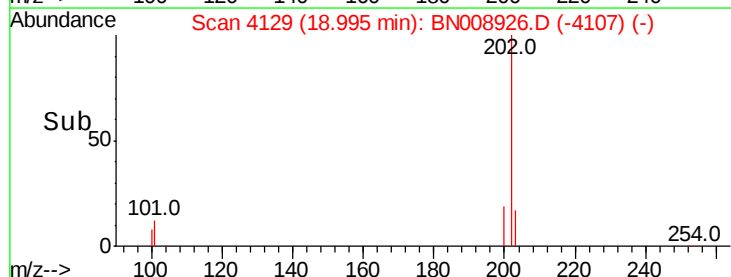
100 9.0 0.0 29.2

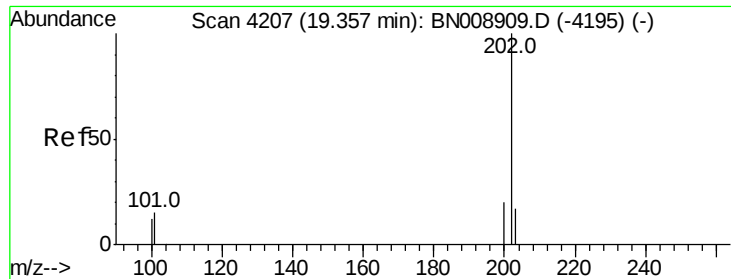


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pvrene

Concen: 0.371 ng/ul

RT: 19.36 min Scan# 4207

Delta R.T. 0.00 min

Lab File: BN008926.D

Acq: 11 Dec 2019 20:33

Instrument :

BNA_N

ClientSampleId :

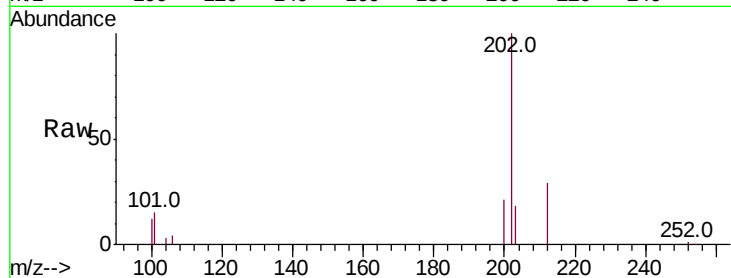
Tot Ion:202 Resp: 21469

Ion Ratio Lower Upper

202 100

101 14.9 12.2 18.4

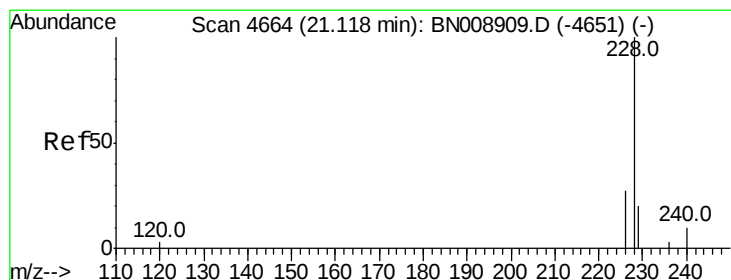
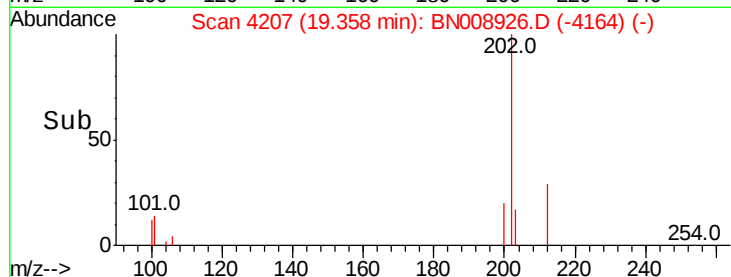
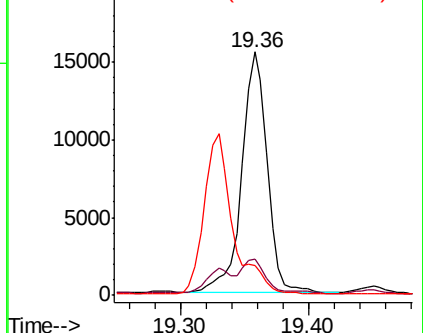
100 12.3 9.5 14.3



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: 0.308 ng/ul

RT: 21.17 min Scan# 4681

Delta R.T. 0.05 min

Lab File: BN008926.D

Acq: 11 Dec 2019 20:33

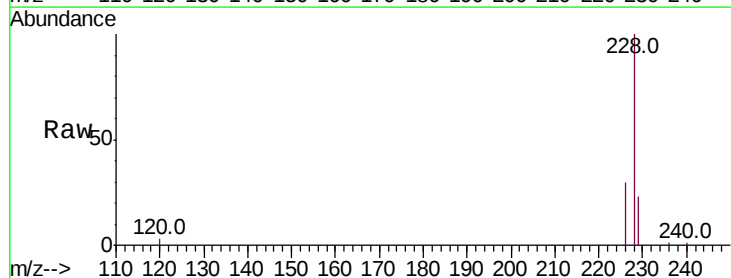
Tgt Ion:228 Resp: 17823

Ion Ratio Lower Upper

228 100

229 23.0 15.7 23.5

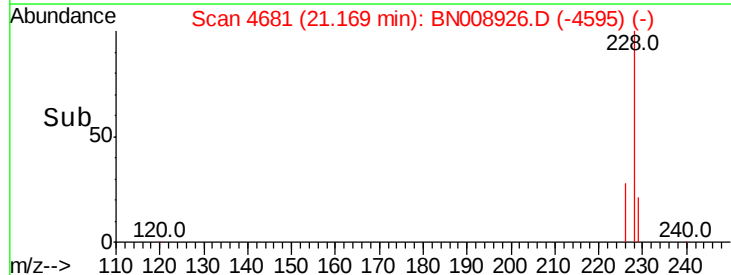
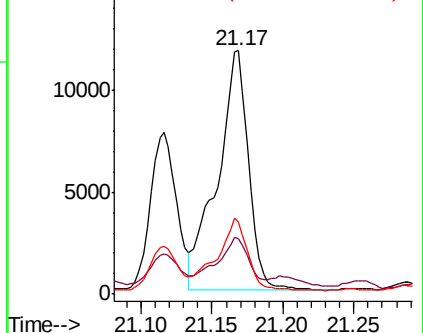
226 29.5 21.5 32.3

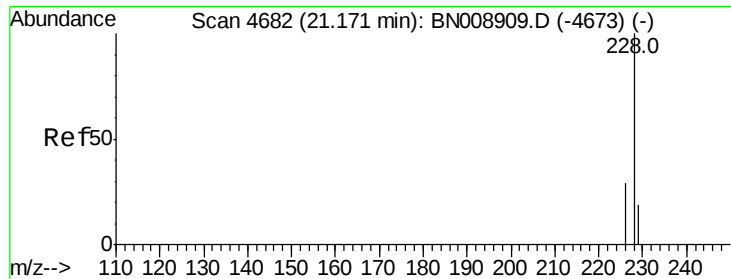


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.313 ng/ul

RT: 21.17 min Scan# 4681

Delta R.T. -0.00 min

Lab File: BN008926.D

Acq: 11 Dec 2019 20:33

Instrument :

BNA_N

ClientSampleId :

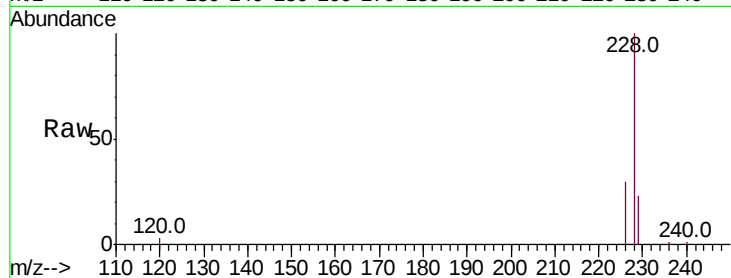
Tot Ion:228 Resp: 17823

Ion Ratio Lower Upper

228 100

226 29.5 23.8 35.6

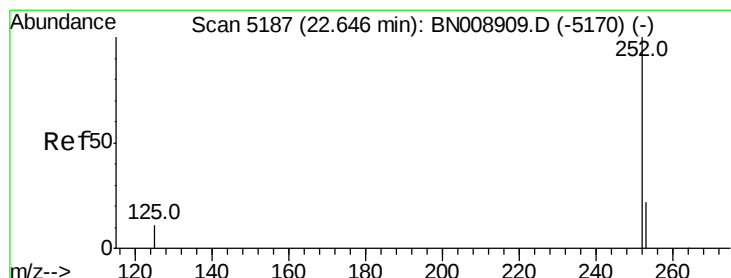
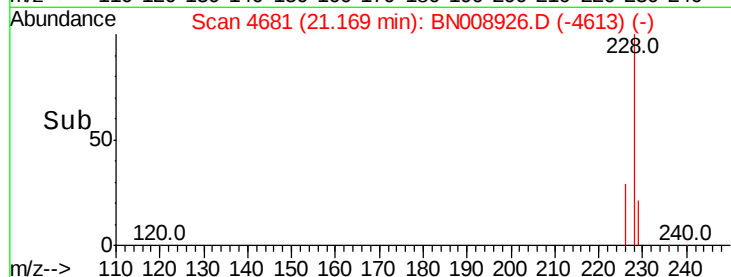
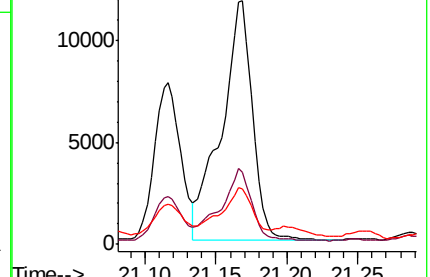
229 23.0 15.6 23.4



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: 0.285 ng/ul

RT: 22.64 min Scan# 5186

Delta R.T. -0.00 min

Lab File: BN008926.D

Acq: 11 Dec 2019 20:33

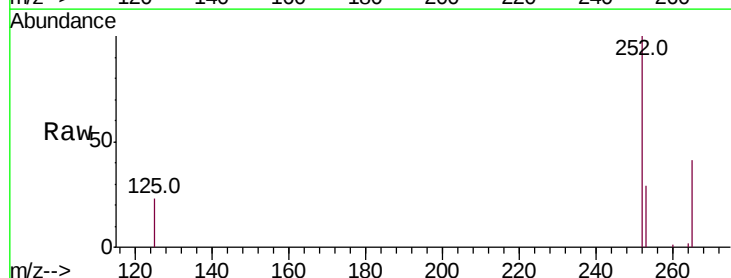
Tgt Ion:252 Resp: 18147

Ion Ratio Lower Upper

252 100

253 29.2 0.0 48.6

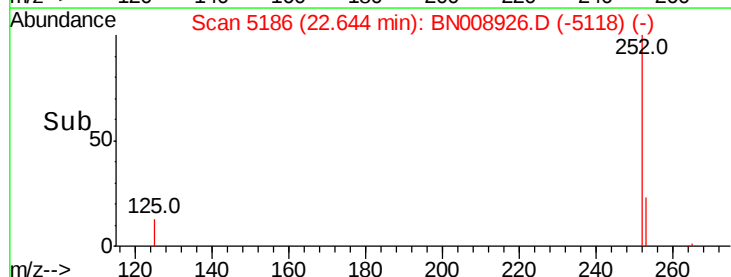
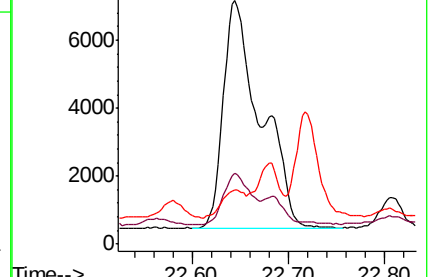
125 22.5 0.0 31.6

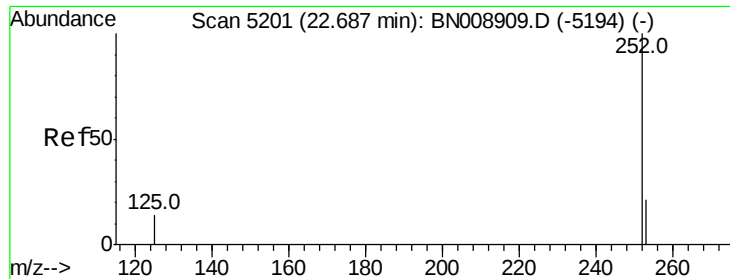


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.287 ng/ul

RT: 22.64 min Scan# 5186

Delta R.T. -0.04 min

Lab File: BN008926.D

Acq: 11 Dec 2019 20:33

Instrument :

BNA_N

ClientSampleId :

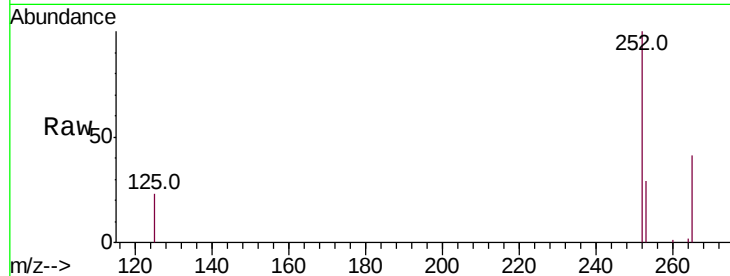
Tot Ion:252 Resp: 18147

Ion Ratio Lower Upper

252 100

253 29.2 19.6 29.4

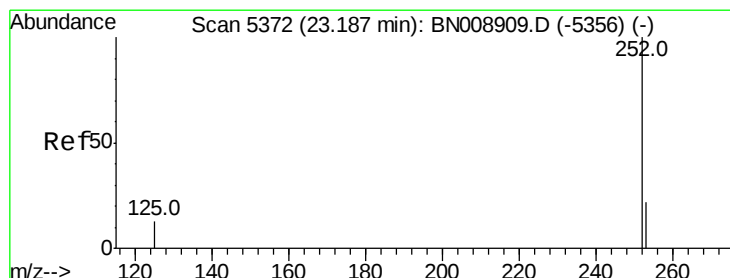
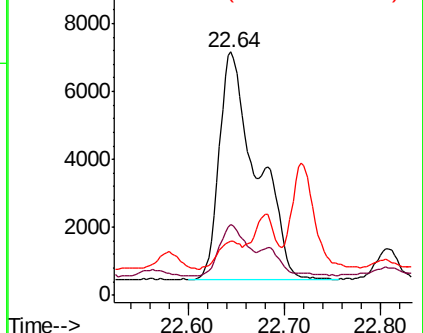
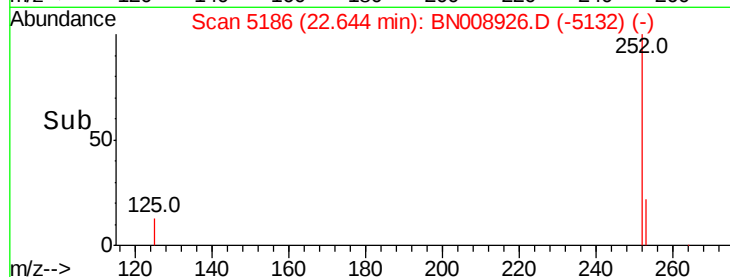
125 22.5 13.8 20.6#



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: 0.135 ng/ul

RT: 23.19 min Scan# 5371

Delta R.T. -0.00 min

Lab File: BN008926.D

Acq: 11 Dec 2019 20:33

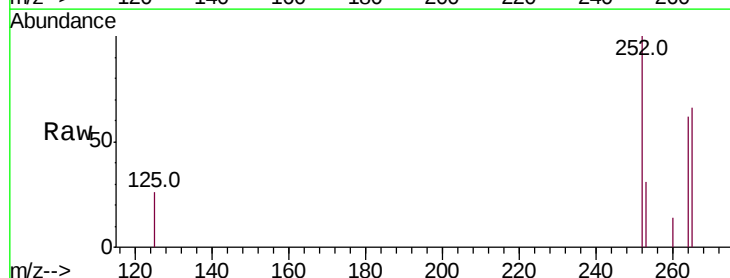
Tgt Ion:252 Resp: 8063

Ion Ratio Lower Upper

252 100

253 31.4 19.9 29.9#

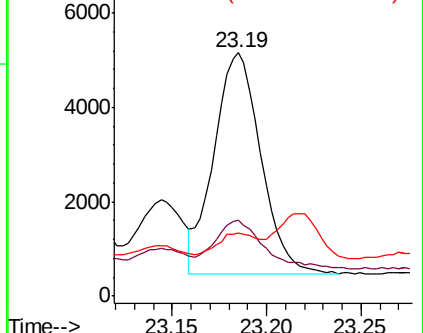
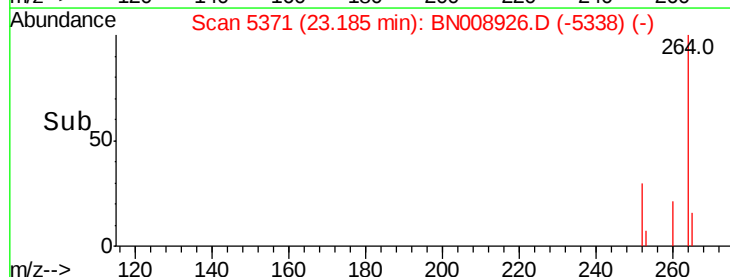
125 25.7 14.6 22.0#

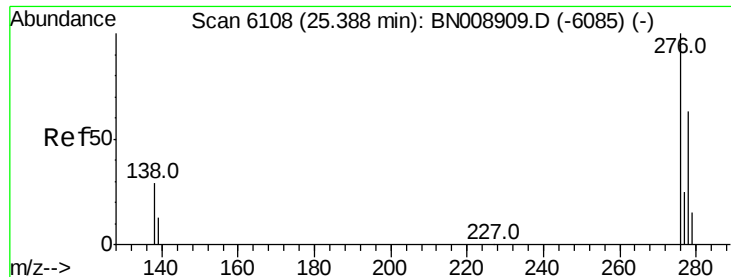


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



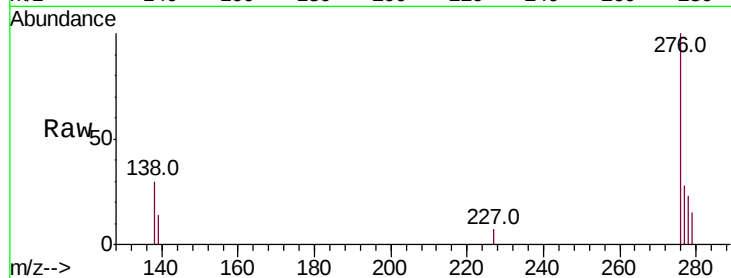


#24

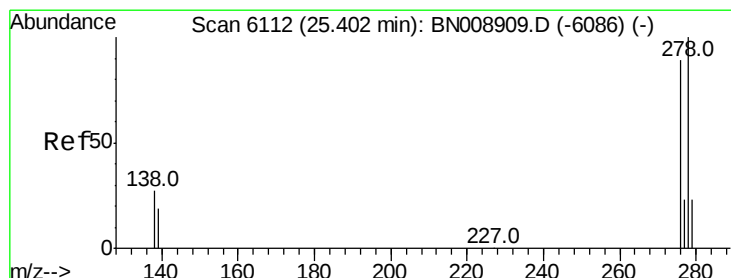
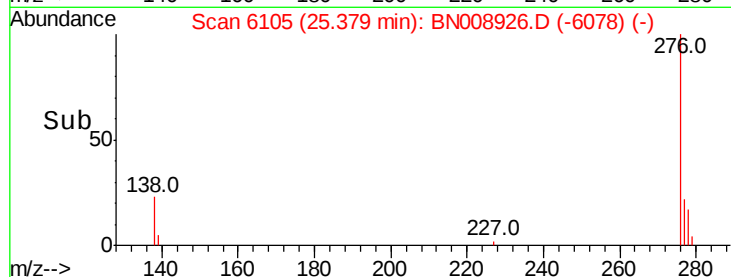
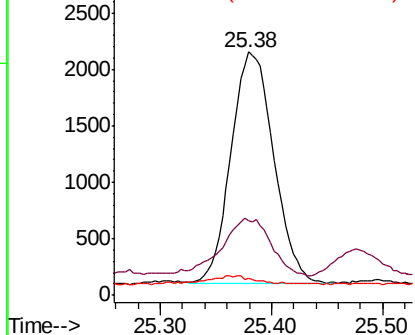
Indeno(1,2,3-cd)pyrene
Concen: 0.079 ng/ul
RT: 25.38 min Scan# 6105
Delta R.T. -0.01 min
Lab File: BN008926.D
Acq: 11 Dec 2019 20:33

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 5517
Ion Ratio Lower Upper
276 100
138 28.5 23.8 35.6
227 0.0 0.2 0.2#



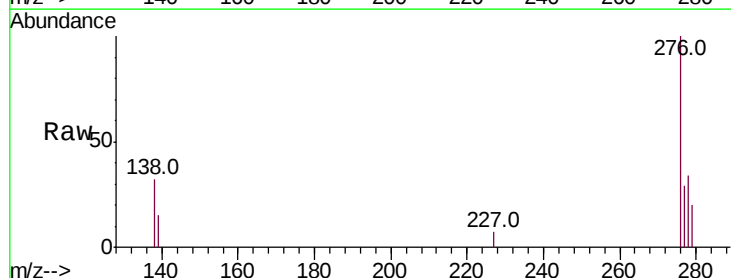
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



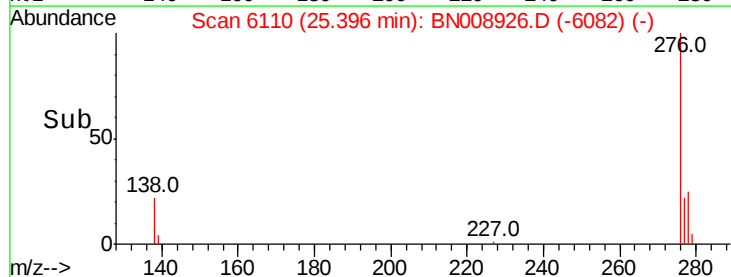
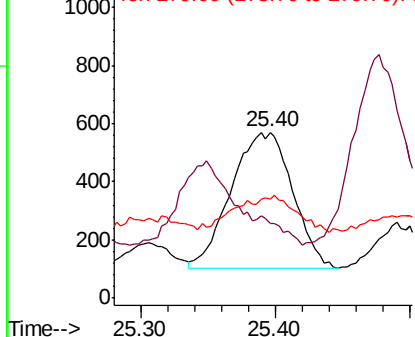
#25

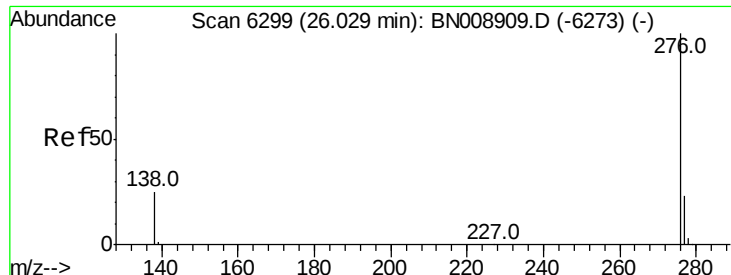
Dibenzo(a,h)anthracene
Concen: 0.026 ng/ul
RT: 25.40 min Scan# 6110
Delta R.T. -0.01 min
Lab File: BN008926.D
Acq: 11 Dec 2019 20:33

Tgt Ion:278 Resp: 1480
Ion Ratio Lower Upper
278 100
139 45.1 17.4 26.0#
279 59.8 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# 6297

Delta R.T. -0.01 min

Lab File: BN008926.D

Acq: 11 Dec 2019 20:33

Instrument :

BNA_N

ClientSampleId :

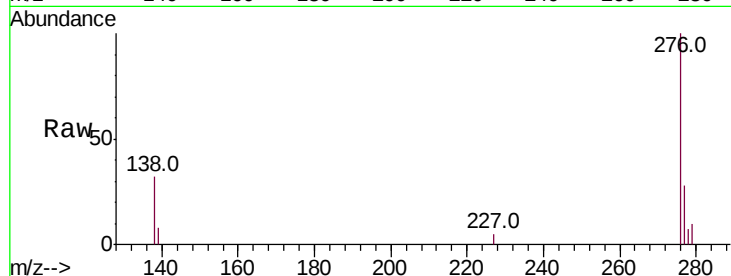
Tot Ion:276 Resp: 5401

Ion Ratio Lower Upper

276 100

138 31.7 21.9 32.9

277 28.3 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

