

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
 Data File : BN008918.D
 Acq On : 11 Dec 2019 15:47
 Operator : JU
 Sample : K6088-02DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 12 00:21:57 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

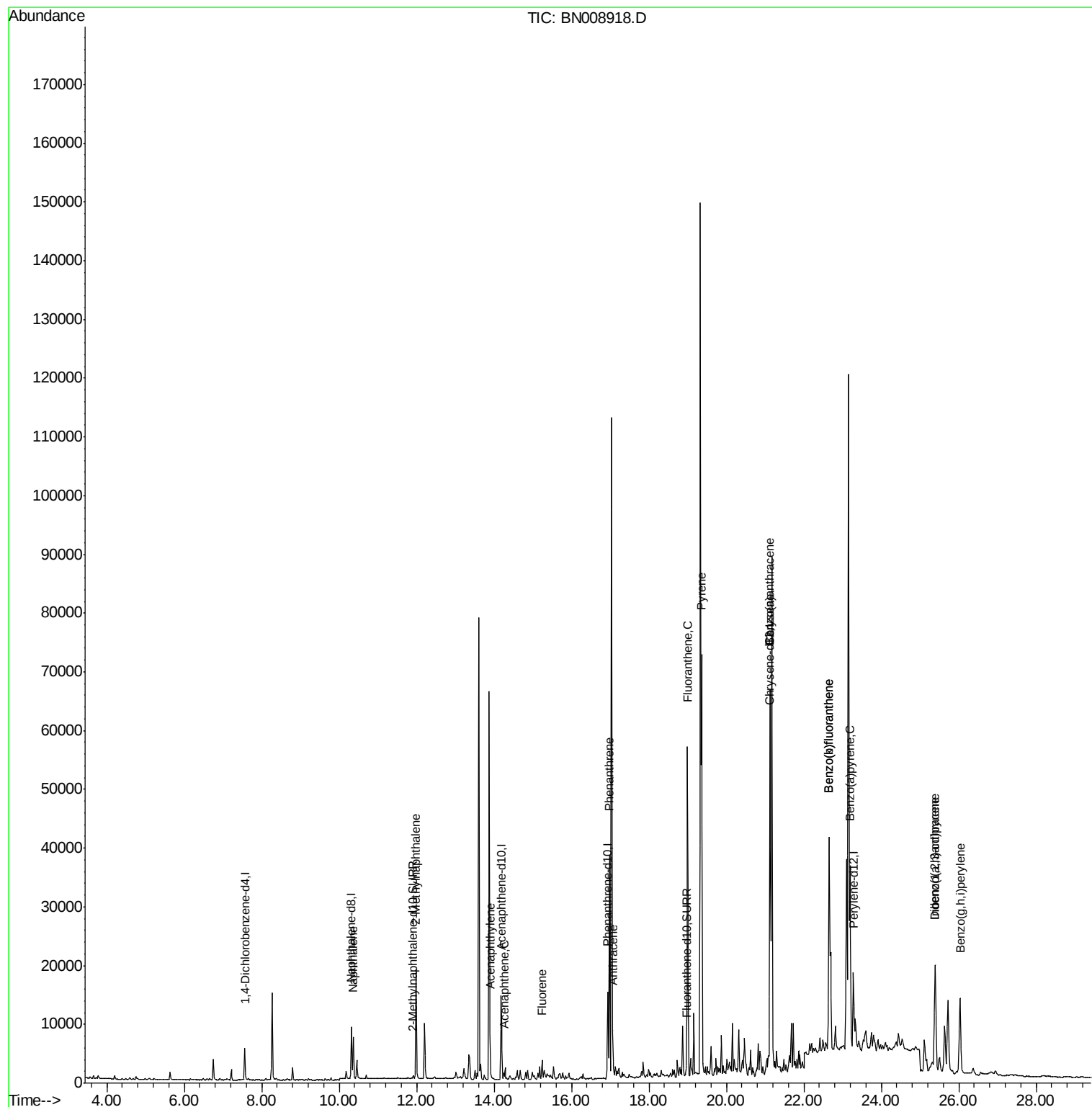
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	2427	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	10722	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	7162	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.93	188	16303	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	14225	0.40	ng/ul	0.00
20) Perylene-d12	23.28	264	15463	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	620	0.04	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	1981	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.36	128	9410	0.291	ng/ul	98
5) 2-Methylnaphthalene	11.98	142	12919	0.572	ng/ul	100
7) Acenaphthylene	13.90	152	2004	0.051	ng/ul#	86
8) Acenaphthene	14.25	153	623	0.021	ng/ul	94
9) Fluorene	15.24	166	1592	0.046	ng/ul#	87
12) Phenanthrene	16.97	178	39597	0.720	ng/ul	99
13) Anthracene	17.06	178	7030	0.135	ng/ul	97
15) Fluoranthene	19.00	202	45893	0.679	ng/ul	100
17) Pyrene	19.36	202	57472	1.007	ng/ul	99
18) Benzo(a)anthracene	21.12	228	50346	0.880	ng/ul	97
19) Chrysene	21.12	228	50346	0.896	ng/ul	95
21) Benzo(b)fluoranthene	22.65	252	69769	1.094	ng/ul	99
22) Benzo(k)fluoranthene	22.65	252	69769	1.103	ng/ul	97
23) Benzo(a)pyrene	23.19	252	40043	0.669	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.39	276	19789	0.283	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.40	278	14419	0.255	ng/ul#	83
26) Benzo(a,h,i)perylene	26.03	276	23917	0.408	ng/ul	98

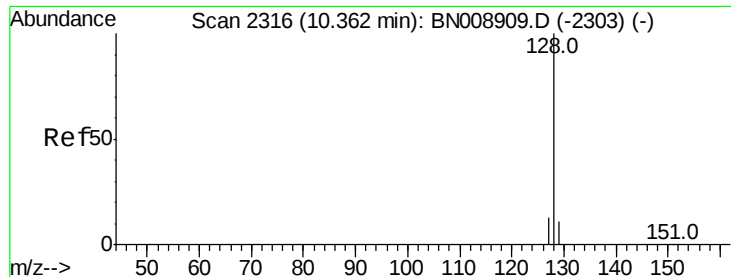
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.291 ng/ul

RT: 10.36 min Scan# 2316

Delta R.T. -0.00 min

Lab File: BN008918.D

Acq: 11 Dec 2019 15:47

Instrument :

BNA_N

ClientSampleId :

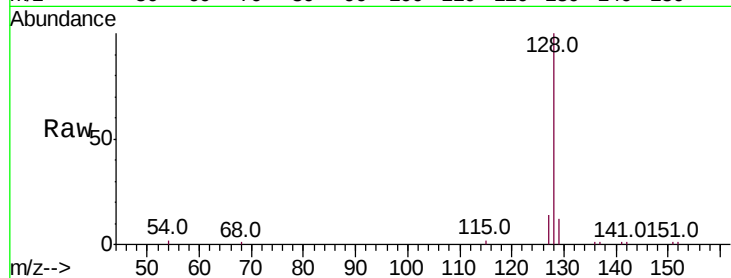
Tot Ion:128 Resp: 9410

Ion Ratio Lower Upper

128 100

129 12.1 9.1 13.7

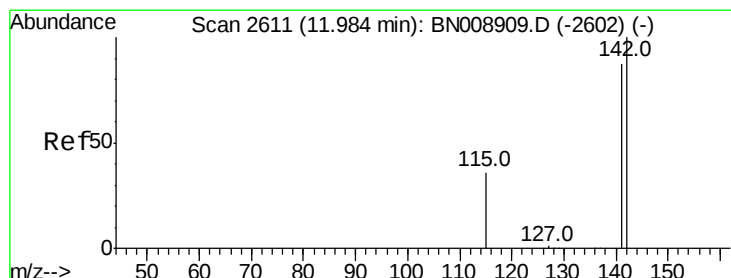
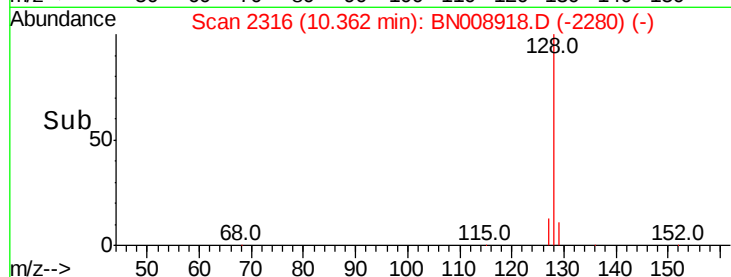
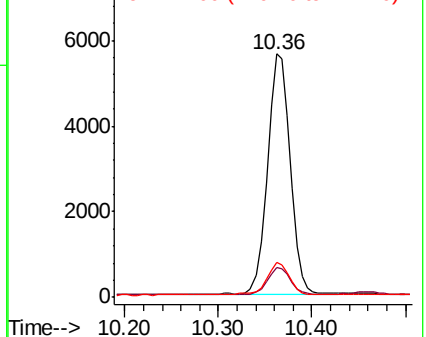
127 14.3 10.7 16.1



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: 0.572 ng/ul

RT: 11.98 min Scan# 2611

Delta R.T. -0.00 min

Lab File: BN008918.D

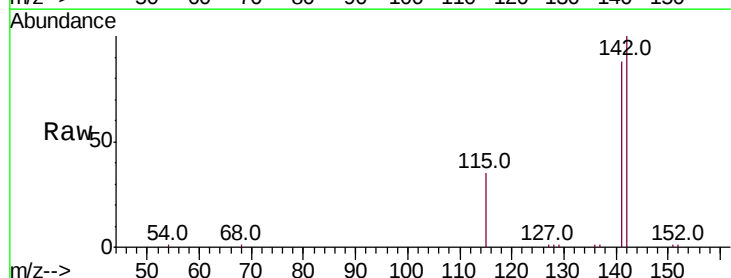
Acq: 11 Dec 2019 15:47

Tgt Ion:142 Resp: 12919

Ion Ratio Lower Upper

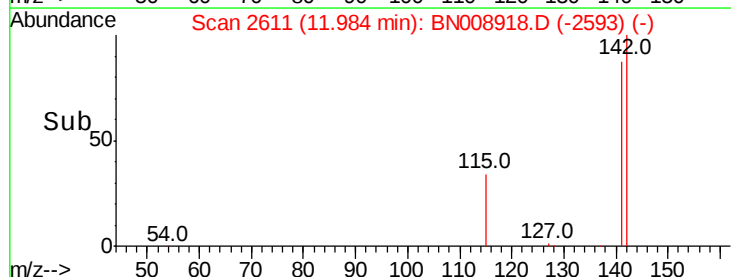
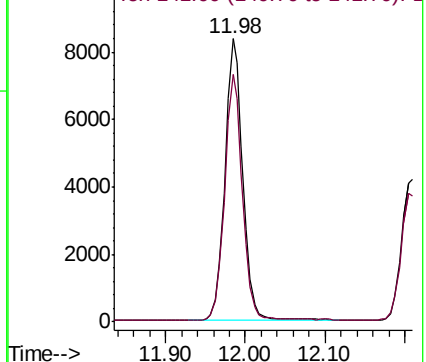
142 100

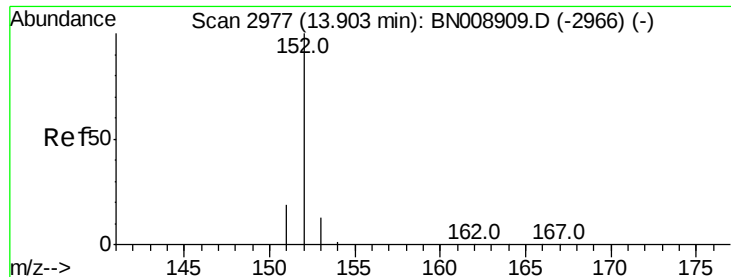
141 87.6 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.051 ng/ul

RT: 13.90 min Scan# 2977

Delta R.T. 0.00 min

Lab File: BN008918.D

Acq: 11 Dec 2019 15:47

Instrument :

BNA_N

ClientSampleId :

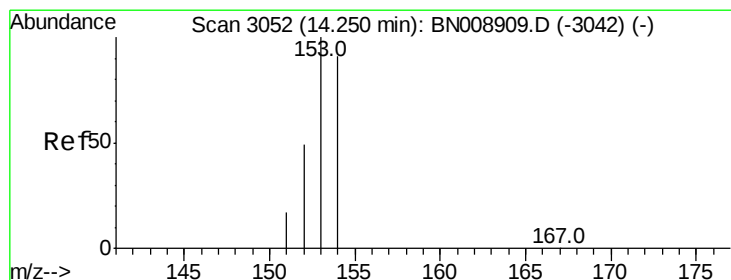
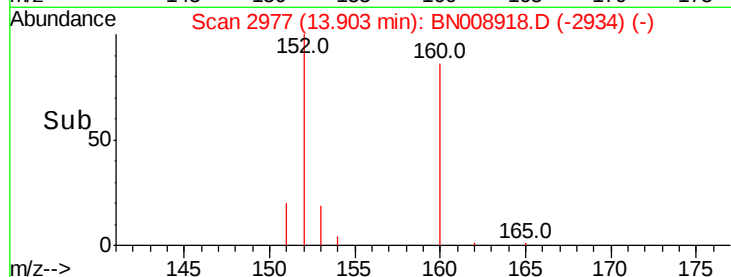
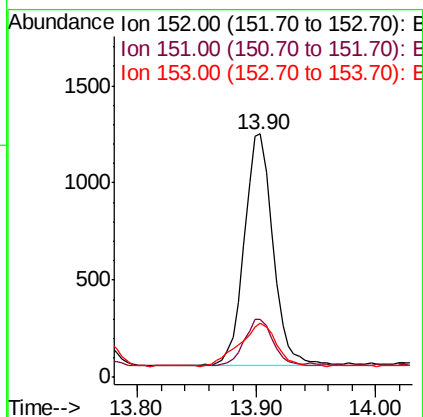
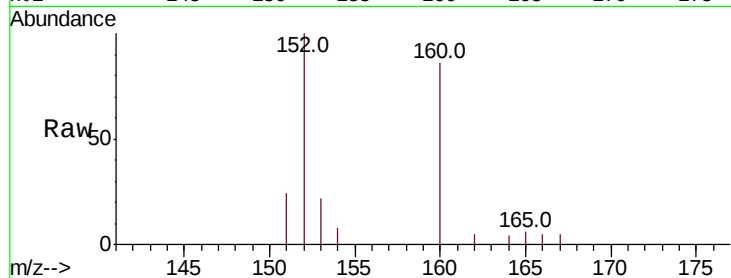
Tot Ion:152 Resp: 2004

Ion Ratio Lower Upper

152 100

151 23.9 15.8 23.6#

153 22.2 10.6 15.8#



#8

Acenaphthene

Concen: 0.021 ng/ul

RT: 14.25 min Scan# 3052

Delta R.T. 0.00 min

Lab File: BN008918.D

Acq: 11 Dec 2019 15:47

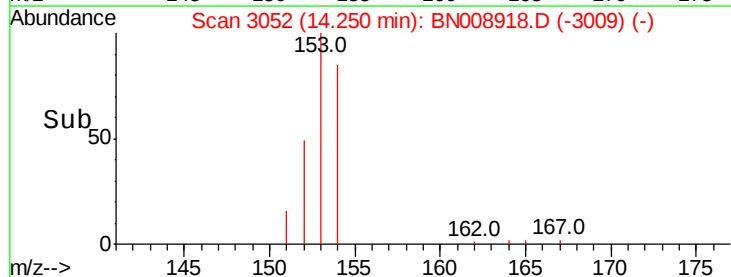
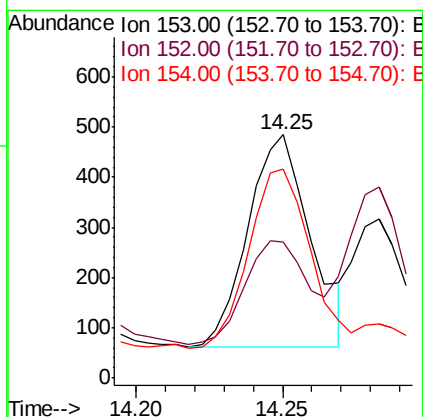
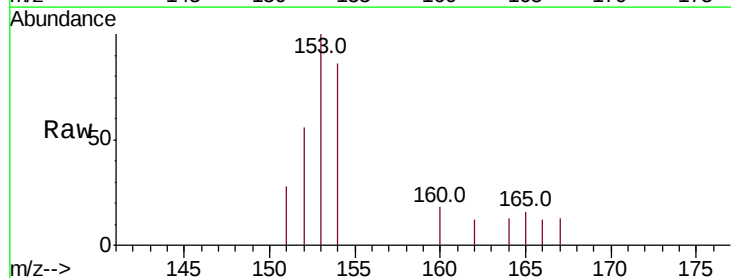
Tgt Ion:153 Resp: 623

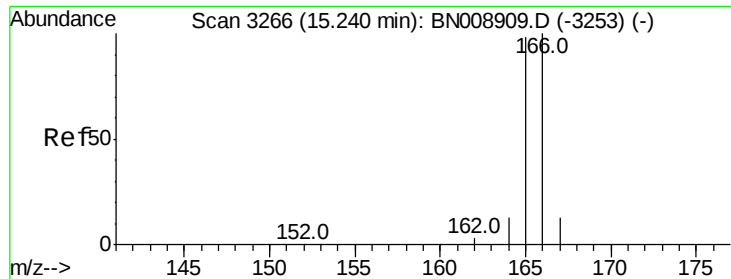
Ion Ratio Lower Upper

153 100

152 55.9 38.6 58.0

154 85.8 70.6 105.8





#9

Fluorene

Concen: 0.046 ng/ul

RT: 15.24 min Scan# 3266

Delta R.T. 0.00 min

Lab File: BN008918.D

Acq: 11 Dec 2019 15:47

Instrument :

BNA_N

ClientSampleId :

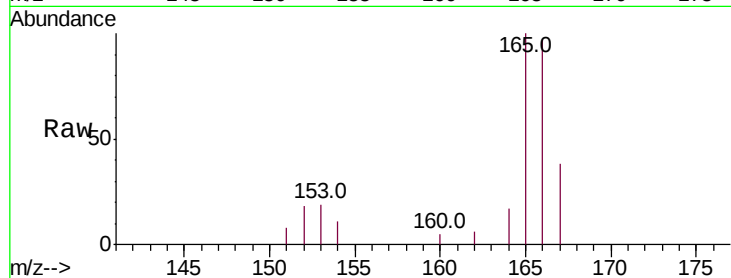
Tot Ion:166 Resp: 1592

Ion Ratio Lower Upper

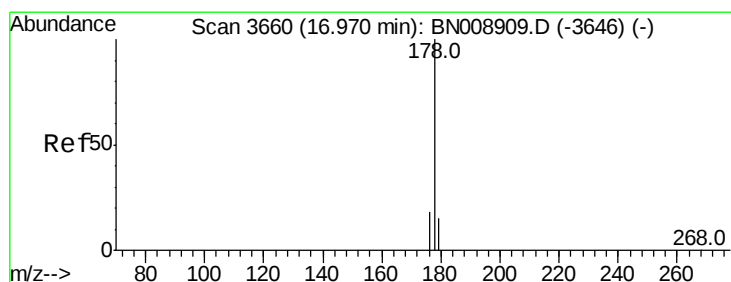
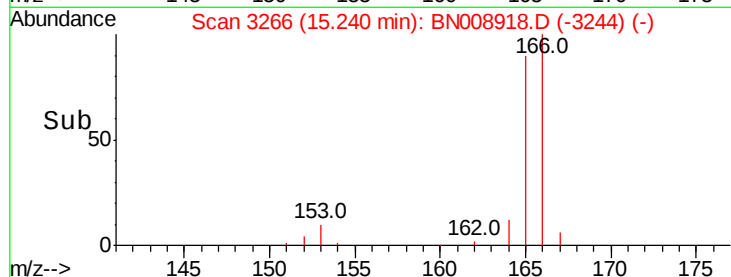
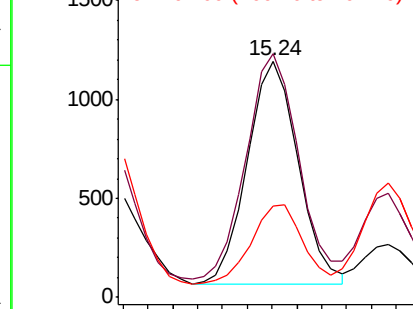
166 100

165 103.0 77.7 116.5

167 38.8 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



#12

Phenanthrene

Concen: 0.720 ng/ul

RT: 16.97 min Scan# 3661

Delta R.T. 0.00 min

Lab File: BN008918.D

Acq: 11 Dec 2019 15:47

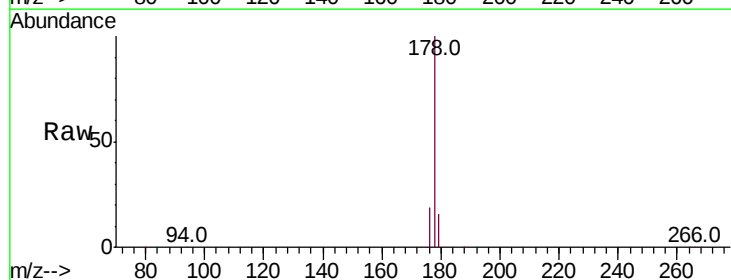
Tgt Ion:178 Resp: 39597

Ion Ratio Lower Upper

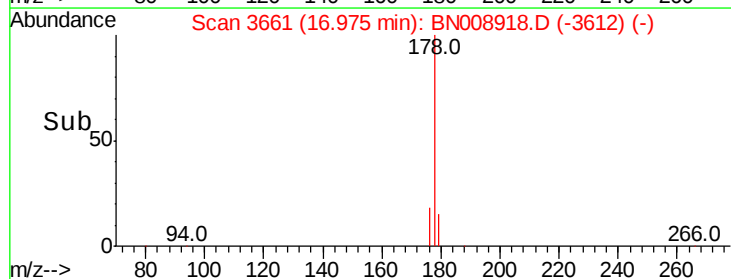
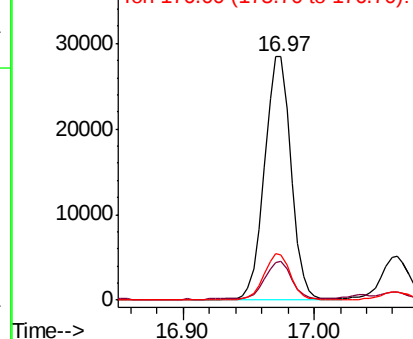
178 100

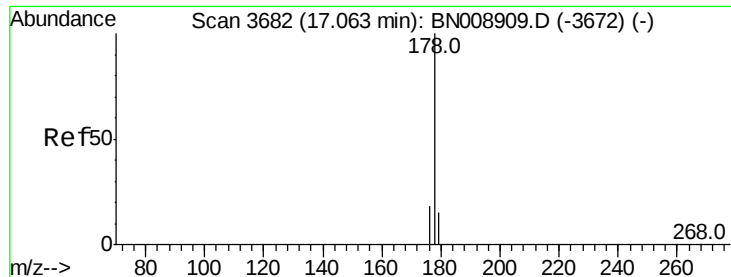
179 15.8 12.6 18.8

176 18.7 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: 0.135 ng/ul

RT: 17.06 min Scan# 3682

Delta R.T. 0.00 min

Lab File: BN008918.D

Acq: 11 Dec 2019 15:47

Instrument :

BNA_N

ClientSampleId :

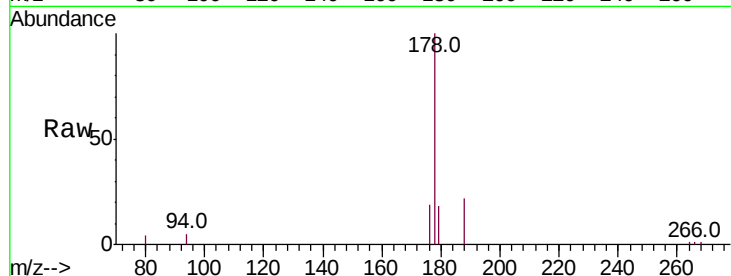
Tot Ion:178 Resp: 7030

Ion Ratio Lower Upper

178 100

179 18.0 12.2 18.4

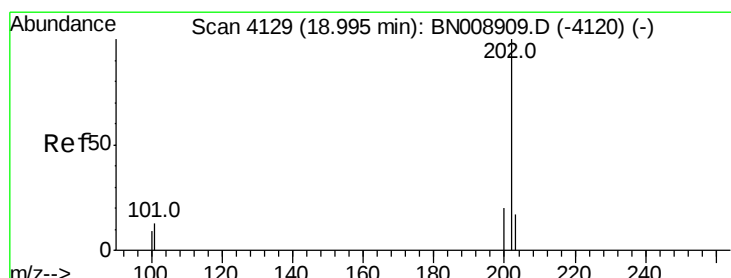
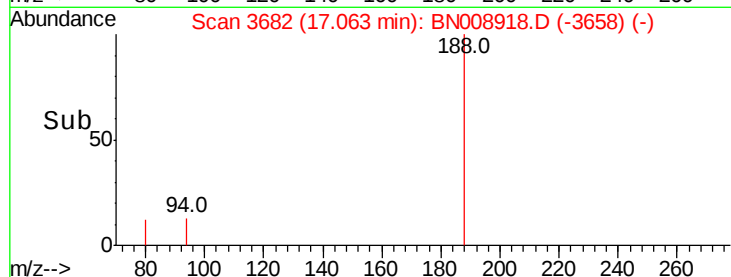
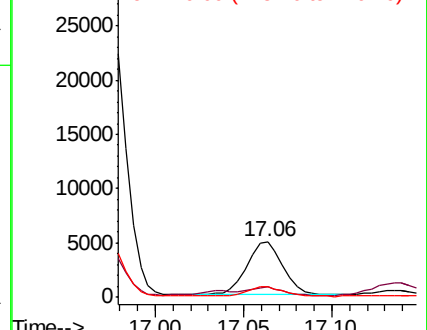
176 18.8 14.7 22.1



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: 0.679 ng/ul

RT: 19.00 min Scan# 4129

Delta R.T. 0.00 min

Lab File: BN008918.D

Acq: 11 Dec 2019 15:47

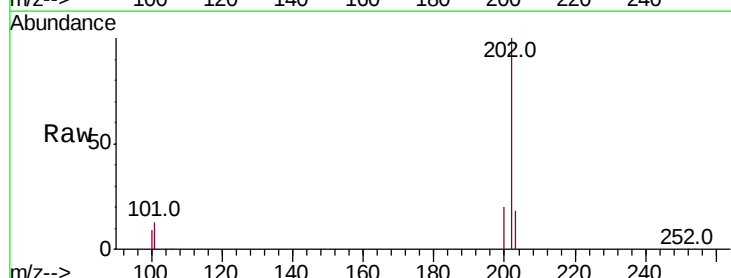
Tgt Ion:202 Resp: 45893

Ion Ratio Lower Upper

202 100

101 12.6 0.0 32.4

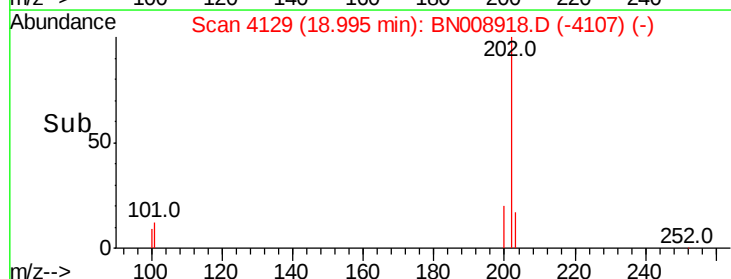
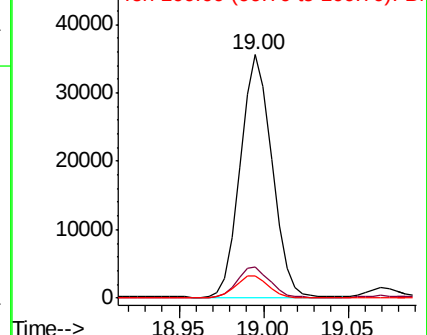
100 9.2 0.0 29.2

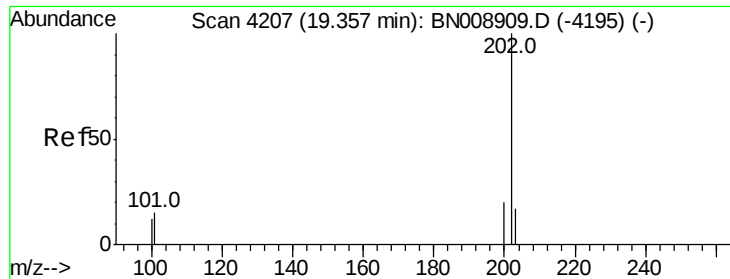


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

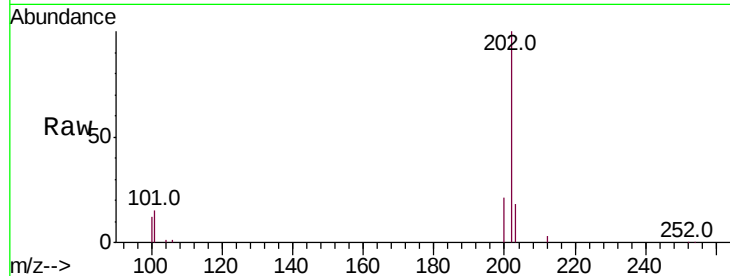




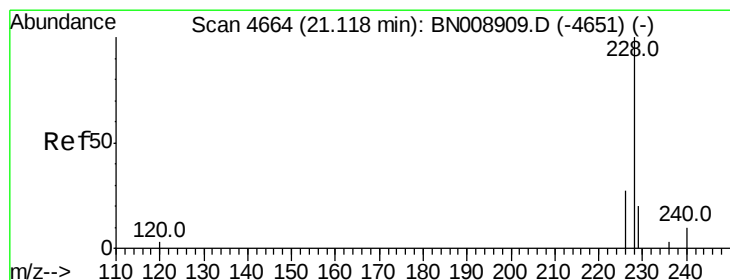
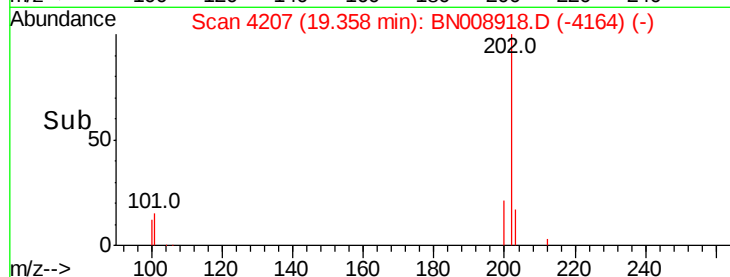
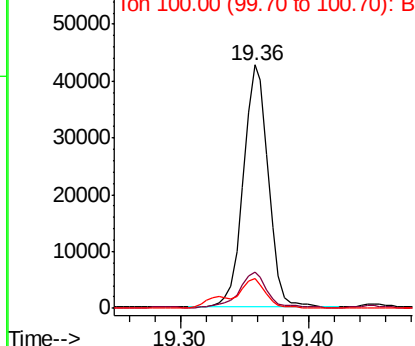
#17
Pvrene
Concen: 1.007 ng/ul
RT: 19.36 min Scan# 4207
Delta R.T. 0.00 min
Lab File: BN008918.D
Acq: 11 Dec 2019 15:47

Instrument :
BNA_N
ClientSampled :

Tot Ion:202 Resp: 57472
Ion Ratio Lower Upper
202 100
101 14.9 12.2 18.4
100 12.2 9.5 14.3

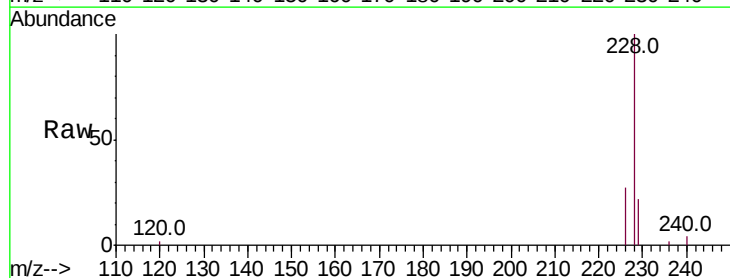


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

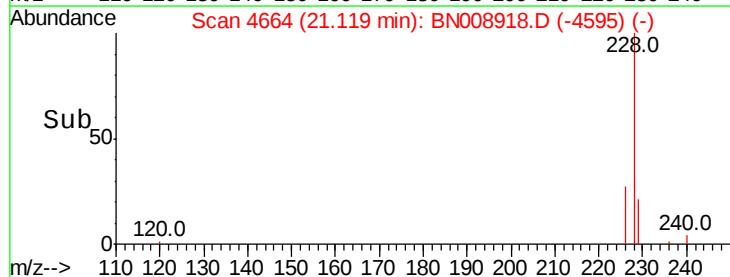
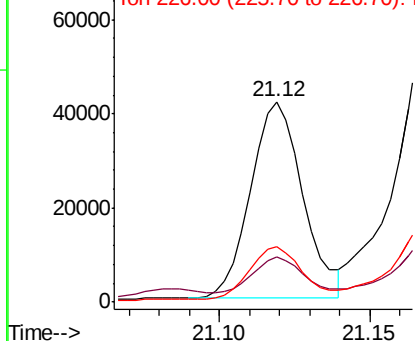


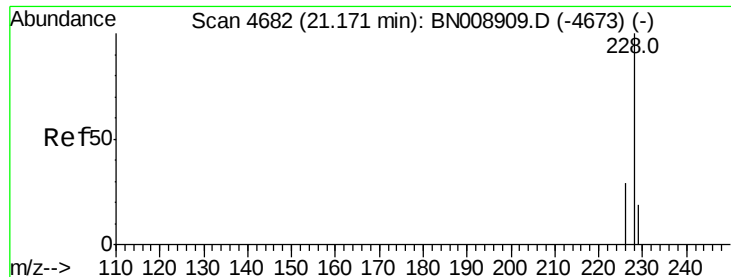
#18
Benzo(a)anthracene
Concen: 0.880 ng/ul
RT: 21.12 min Scan# 4664
Delta R.T. 0.00 min
Lab File: BN008918.D
Acq: 11 Dec 2019 15:47

Tgt Ion:228 Resp: 50346
Ion Ratio Lower Upper
228 100
229 22.3 15.7 23.5
226 27.4 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: 0.896 ng/ul

RT: 21.12 min Scan# 4664

Delta R.T. -0.05 min

Lab File: BN008918.D

Acq: 11 Dec 2019 15:47

Instrument :

BNA_N

ClientSampleId :

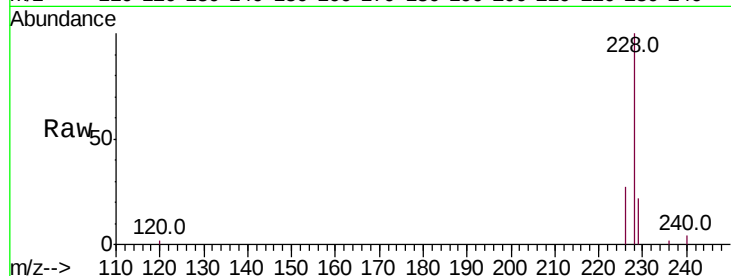
Tot Ion:228 Resp: 50346

Ion Ratio Lower Upper

228 100

226 27.4 23.8 35.6

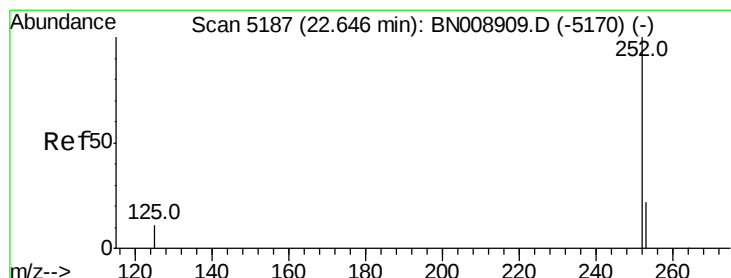
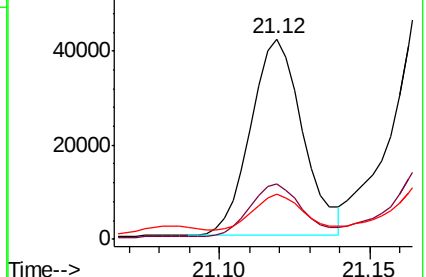
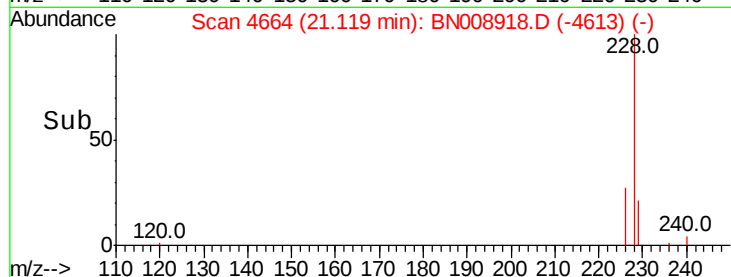
229 22.3 15.6 23.4



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: 1.094 ng/ul

RT: 22.65 min Scan# 5187

Delta R.T. 0.00 min

Lab File: BN008918.D

Acq: 11 Dec 2019 15:47

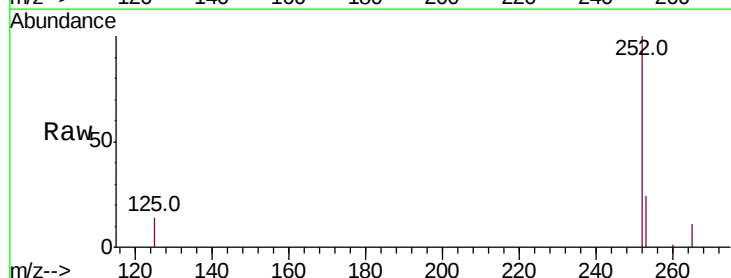
Tgt Ion:252 Resp: 69769

Ion Ratio Lower Upper

252 100

253 24.5 0.0 48.6

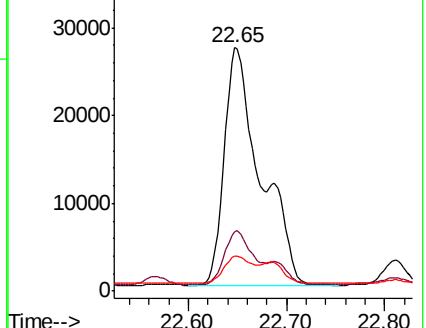
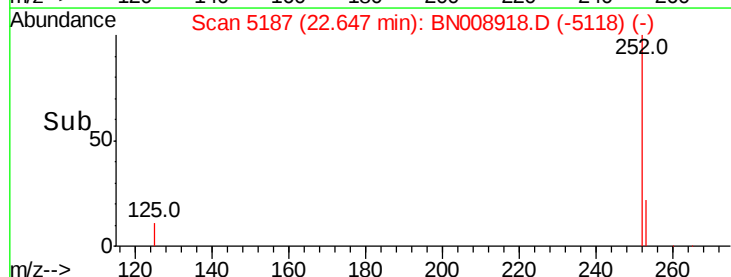
125 14.4 0.0 31.6

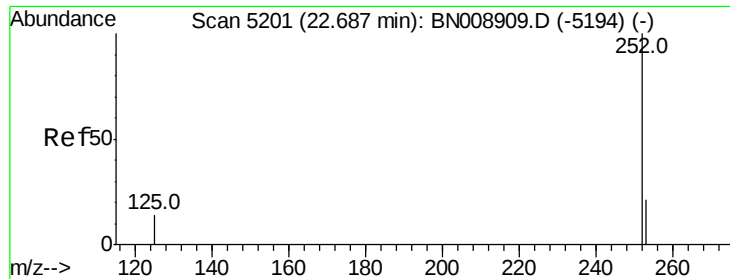


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.103 ng/ul

RT: 22.65 min Scan# 5187

Delta R.T. -0.04 min

Lab File: BN008918.D

Acq: 11 Dec 2019 15:47

Instrument :

BNA_N

ClientSampleId :

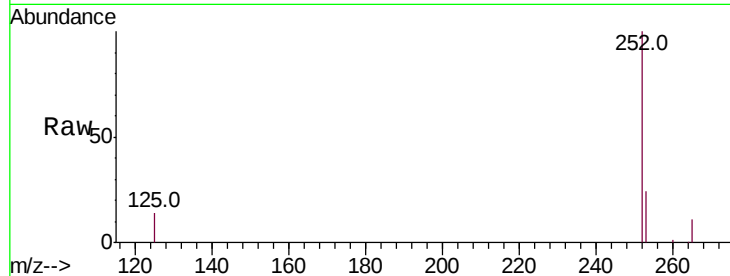
Tot Ion:252 Resp: 69769

Ion Ratio Lower Upper

252 100

253 24.5 19.6 29.4

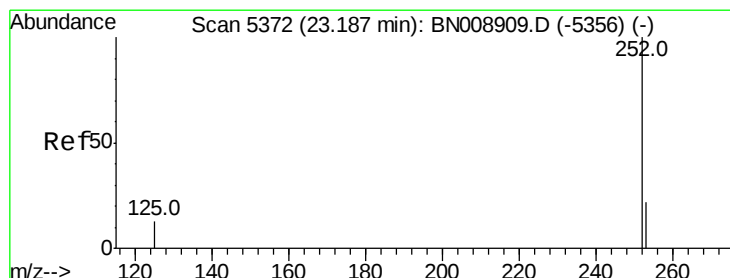
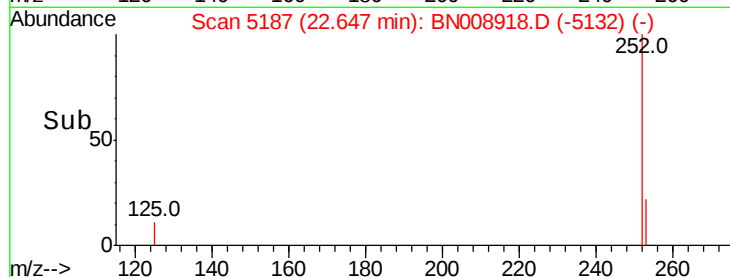
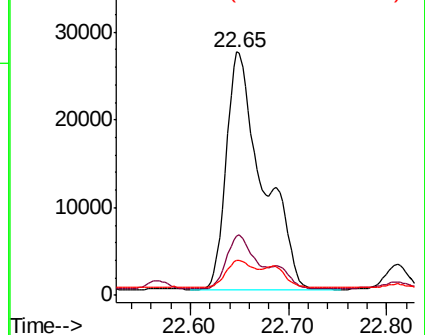
125 14.4 13.8 20.6



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: 0.669 ng/ul

RT: 23.19 min Scan# 5372

Delta R.T. 0.00 min

Lab File: BN008918.D

Acq: 11 Dec 2019 15:47

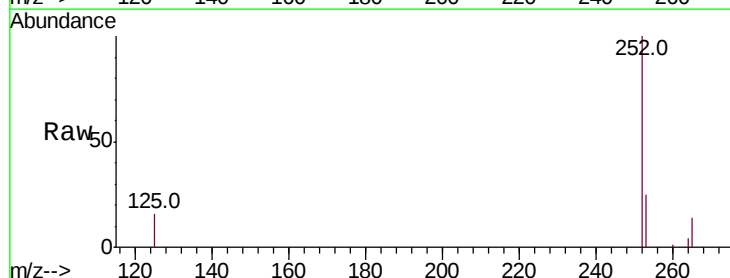
Tgt Ion:252 Resp: 40043

Ion Ratio Lower Upper

252 100

253 24.7 19.9 29.9

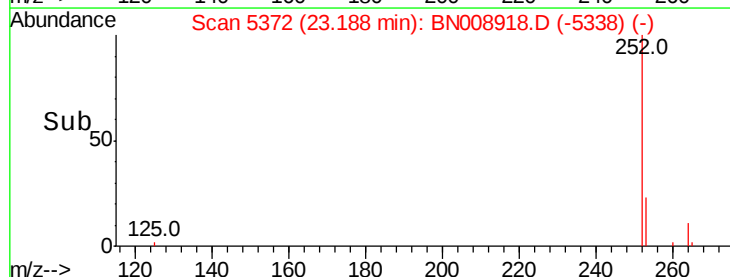
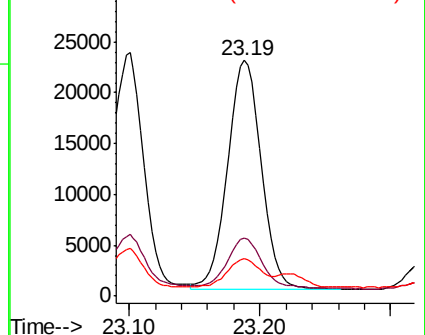
125 15.7 14.6 22.0

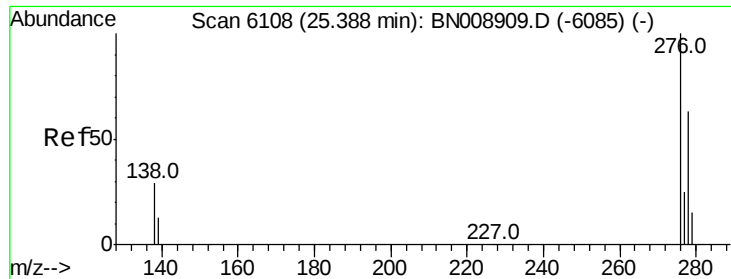


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



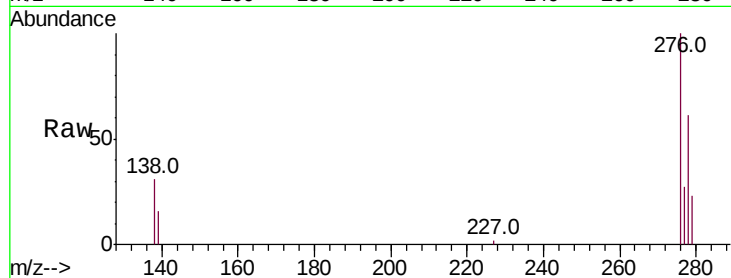


#24

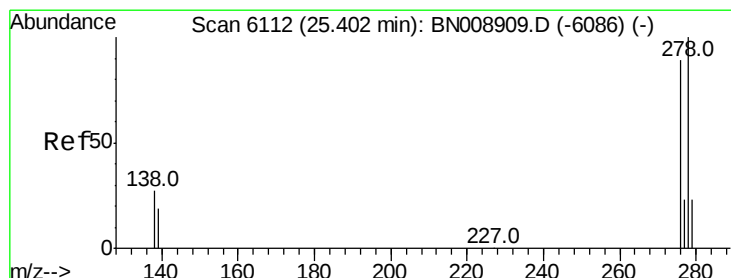
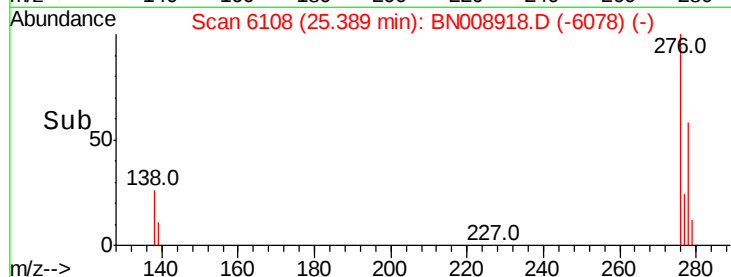
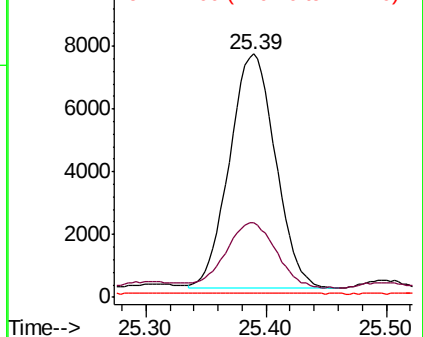
Indeno(1,2,3-cd)pyrene
Concen: 0.283 ng/ul
RT: 25.39 min Scan# 6108
Delta R.T. 0.00 min
Lab File: BN008918.D
Acq: 11 Dec 2019 15:47

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 19789
Ion Ratio Lower Upper
276 100
138 30.6 23.8 35.6
227 0.0 0.2 0.2#



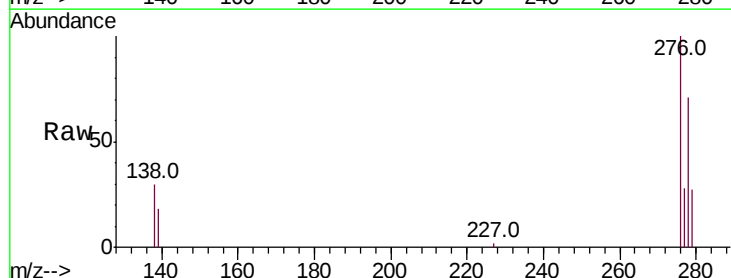
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



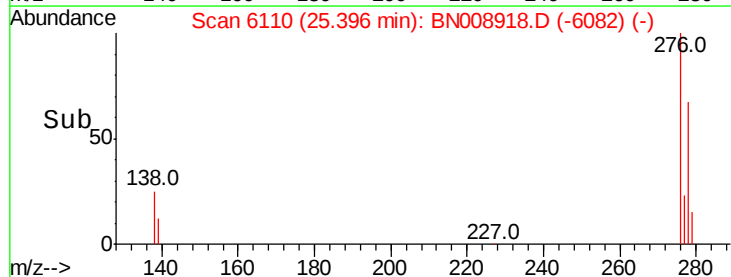
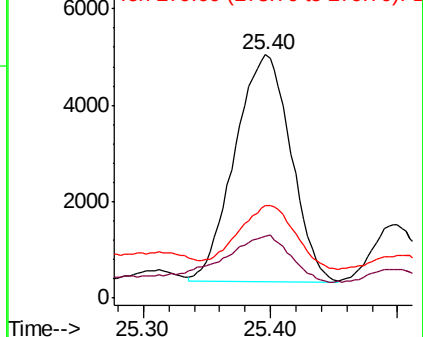
#25

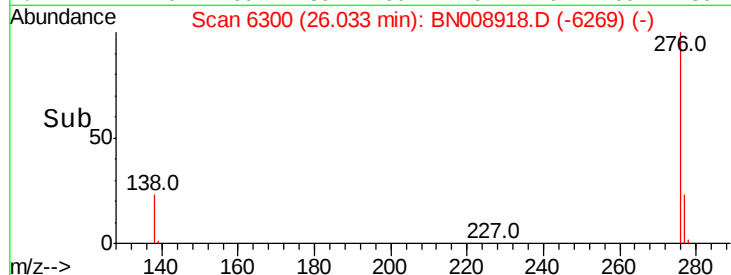
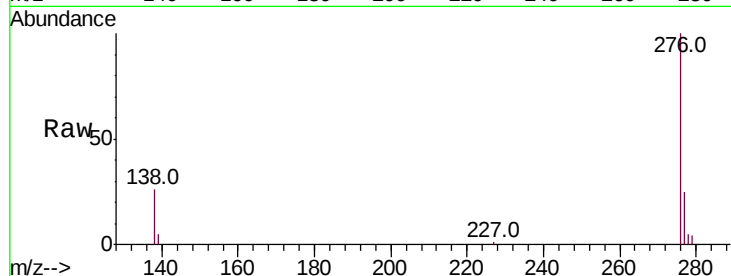
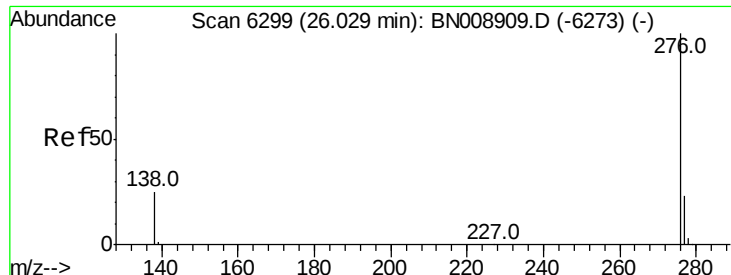
Dibenzo(a,h)anthracene
Concen: 0.255 ng/ul
RT: 25.40 min Scan# 6110
Delta R.T. -0.01 min
Lab File: BN008918.D
Acq: 11 Dec 2019 15:47

Tgt Ion:278 Resp: 14419
Ion Ratio Lower Upper
278 100
139 25.5 17.4 26.0
279 37.8 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: 0.408 ng/ul

RT: 26.03 min Scan# 6300

Delta R.T. 0.00 min

Lab File: BN008918.D

Acq: 11 Dec 2019 15:47

Instrument :

BNA_N

ClientSampleId :

Tot Ion:276 Resp: 23917

Ion Ratio Lower Upper

276 100

138 26.2 21.9 32.9

277 25.2 19.9 29.9

