

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
 Data File : BN008931.D
 Acq On : 11 Dec 2019 23:32
 Operator : JU
 Sample : K6088-16
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 12 00:23:11 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

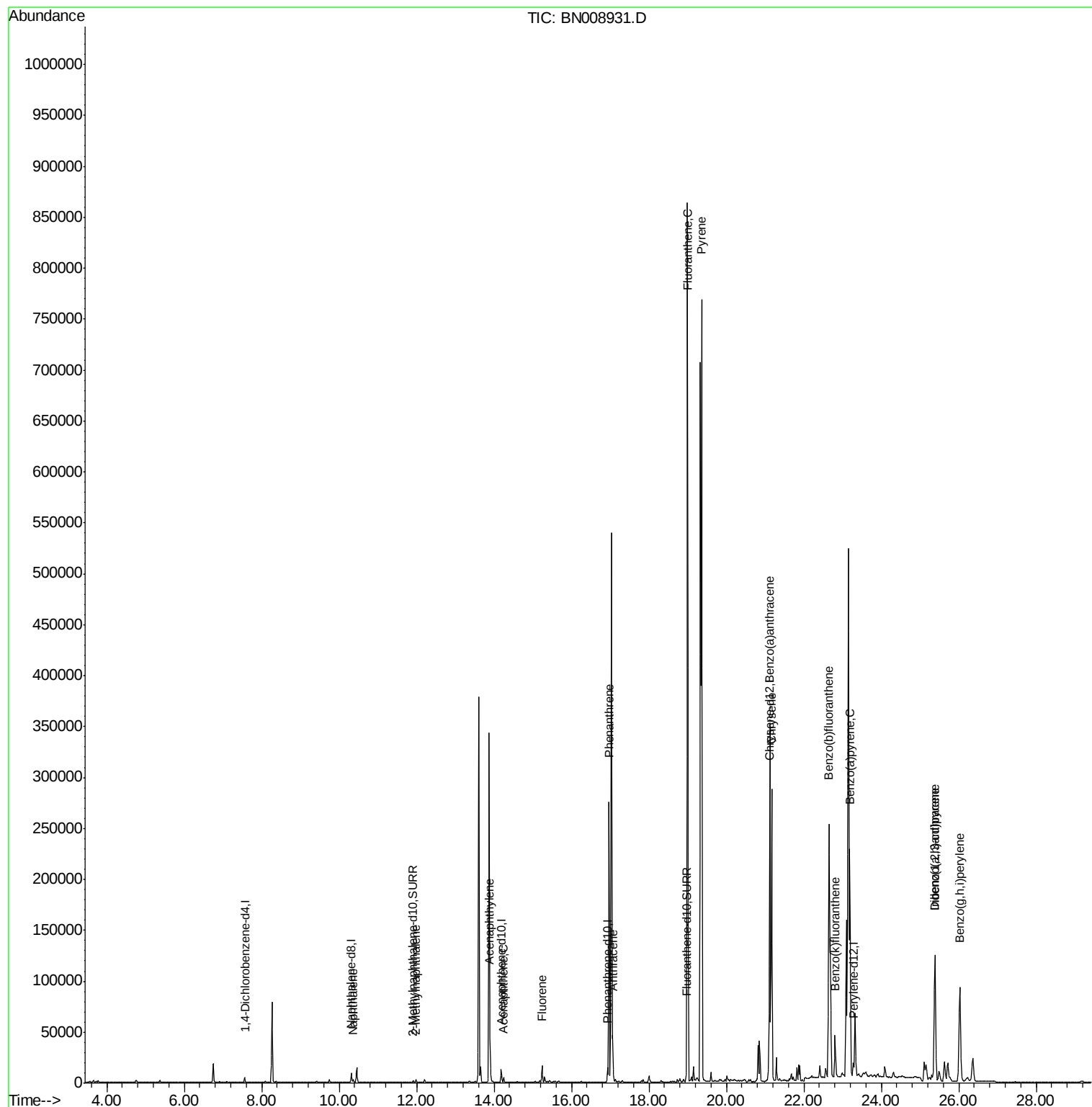
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	2410	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	10577	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	6843	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.93	188	15905	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	13822	0.40	ng/ul	0.00
20) Perylene-d12	23.28	264	14456	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	2647	0.15	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	8453	0.17	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.36	128	3309	0.104	ng/ul#	95
5) 2-Methylnaphthalene	11.98	142	1859	0.083	ng/ul	99
7) Acenaphthylene	13.90	152	33134	0.876	ng/ul	99
8) Acenaphthene	14.25	153	2875	0.102	ng/ul	98
9) Fluorene	15.24	166	10300	0.312	ng/ul	98
12) Phenanthrene	16.97	178	277881	5.181	ng/ul	99
13) Anthracene	17.06	178	44248	0.873	ng/ul	99
15) Fluoranthene	19.00	202	727585	11.041	ng/ul	99
17) Pyrene	19.36	202	592637	10.687	ng/ul	99
18) Benzo(a)anthracene	21.12	228	280632	5.049	ng/ul	98
19) Chrysene	21.17	228	274940	5.036	ng/ul	98
21) Benzo(b)fluoranthene	22.64	252	525390	8.814	ng/ul	94
22) Benzo(k)fluoranthene	22.81	252	49400	0.836	ng/ul	96
23) Benzo(a)pyrene	23.19	252	277656	4.962	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.38	276	181845	2.779	ng/ul	90
25) Dibenzo(a,h)anthracene	25.39	278	39182	0.741	ng/ul	99
26) Benzo(a,h,i)perylene	26.02	276	176892	3.231	ng/ul	96

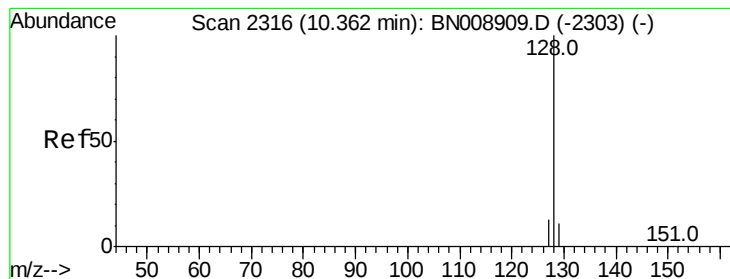
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
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QLast Update : Wed Dec 11 10:35:08 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.104 ng/ul

RT: 10.36 min Scan# 2316

Delta R.T. 0.00 min

Lab File: BN008931.D

Acq: 11 Dec 2019 23:32

Instrument :

BNA_N

ClientSampleId :

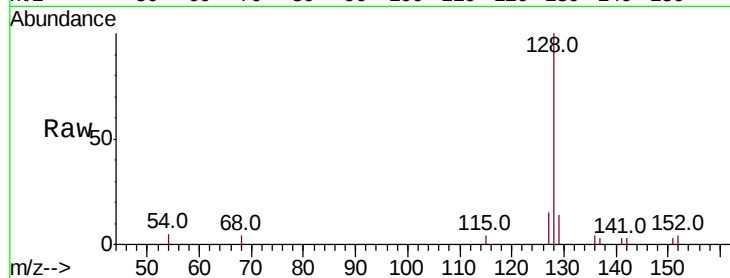
Tot Ion:128 Resp: 3309

Ion Ratio Lower Upper

128 100

129 14.0 9.1 13.7#

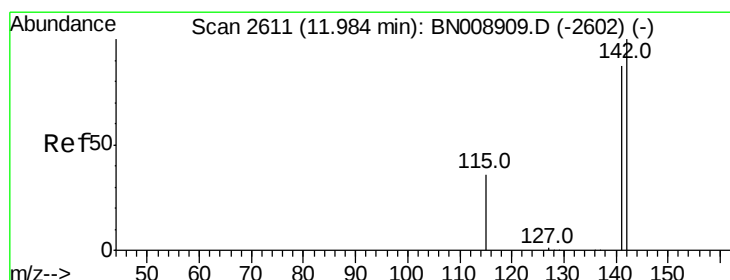
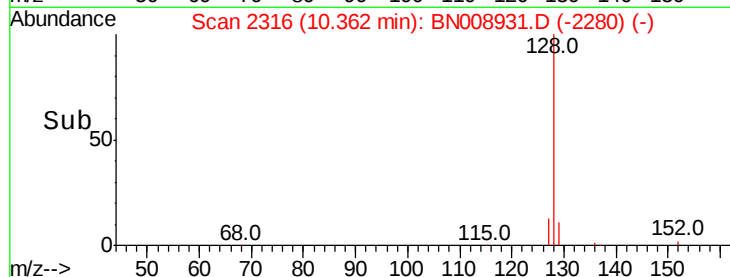
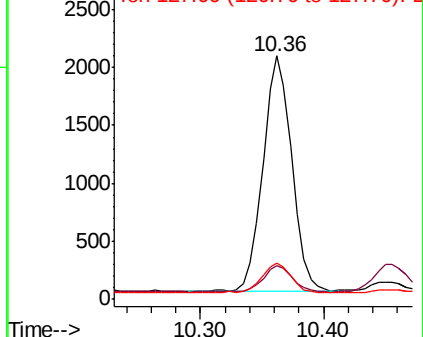
127 14.8 10.7 16.1



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: 0.083 ng/ul

RT: 11.98 min Scan# 2611

Delta R.T. 0.00 min

Lab File: BN008931.D

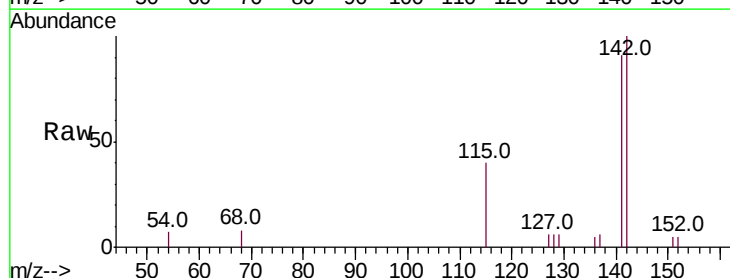
Acq: 11 Dec 2019 23:32

Tgt Ion:142 Resp: 1859

Ion Ratio Lower Upper

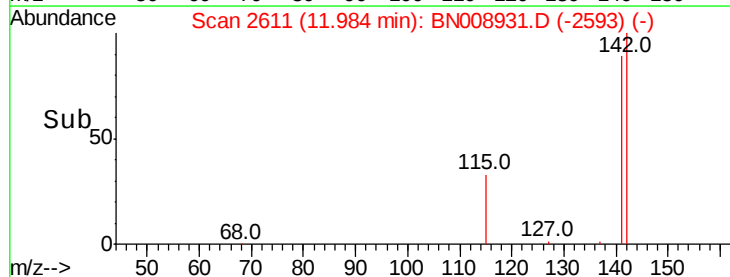
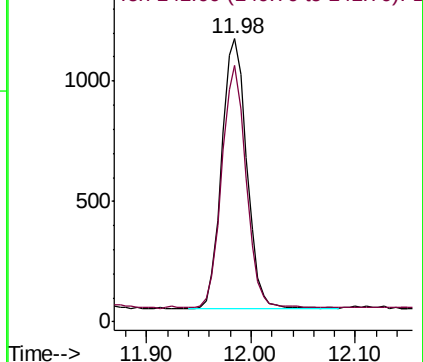
142 100

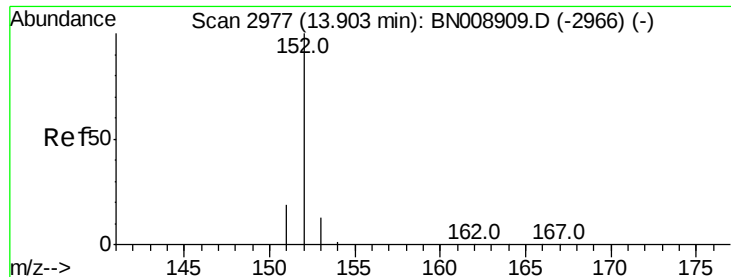
141 86.9 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.876 ng/ul

RT: 13.90 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BN008931.D

Acq: 11 Dec 2019 23:32

Instrument :

BNA_N

ClientSampled :

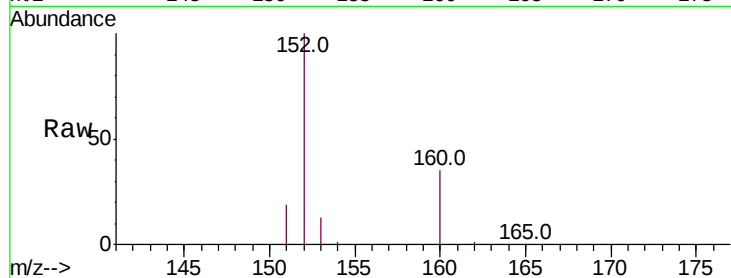
Tot Ion:152 Resp: 33134

Ion Ratio Lower Upper

152 100

151 19.4 15.8 23.6

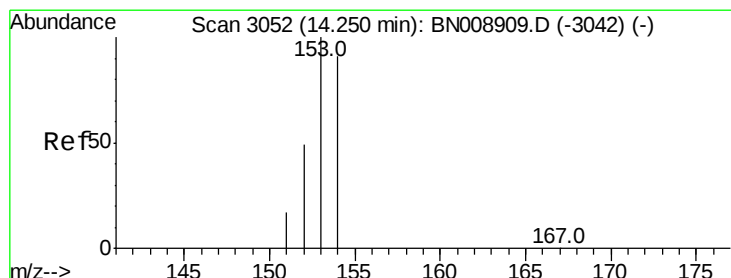
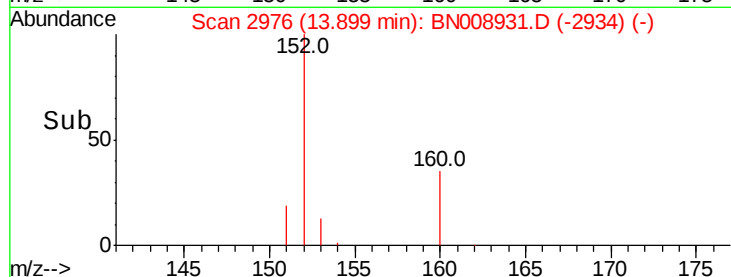
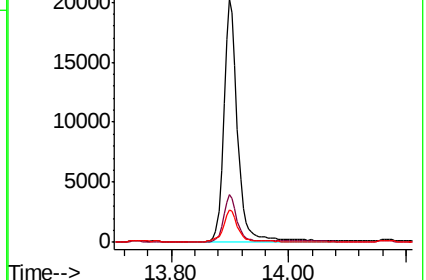
153 13.3 10.6 15.8



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



#8

Acenaphthene

Concen: 0.102 ng/ul

RT: 14.25 min Scan# 3051

Delta R.T. -0.00 min

Lab File: BN008931.D

Acq: 11 Dec 2019 23:32

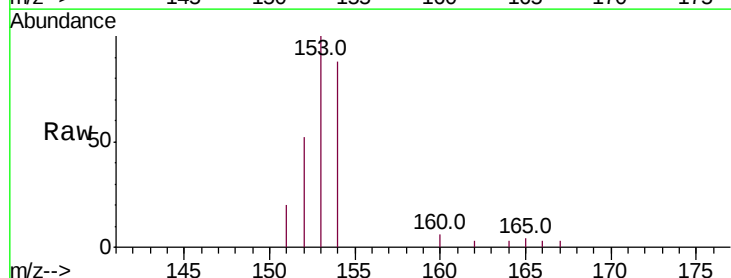
Tgt Ion:153 Resp: 2875

Ion Ratio Lower Upper

153 100

152 52.1 38.6 58.0

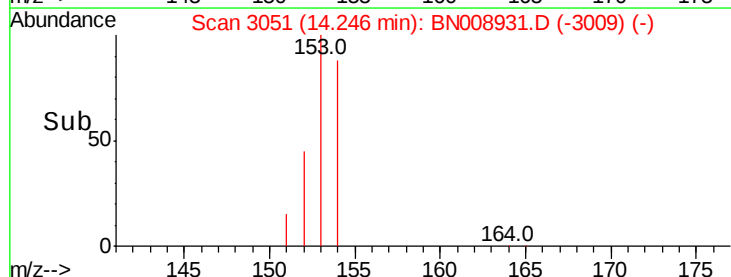
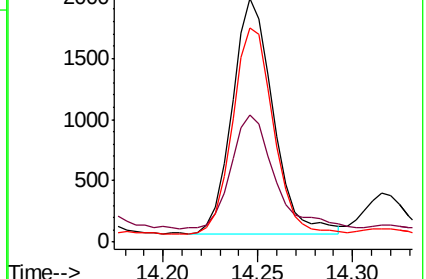
154 88.2 70.6 105.8

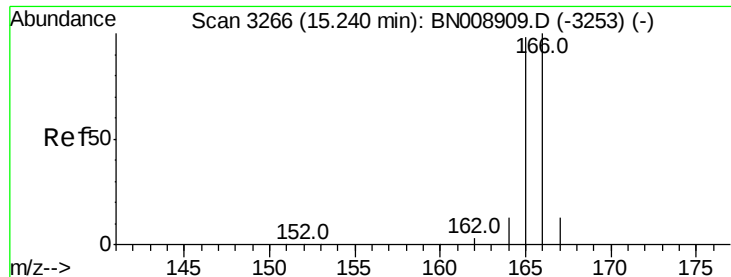


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.312 ng/ul

RT: 15.24 min Scan# 3266

Delta R.T. 0.00 min

Lab File: BN008931.D

Acq: 11 Dec 2019 23:32

Instrument :

BNA_N

ClientSampleId :

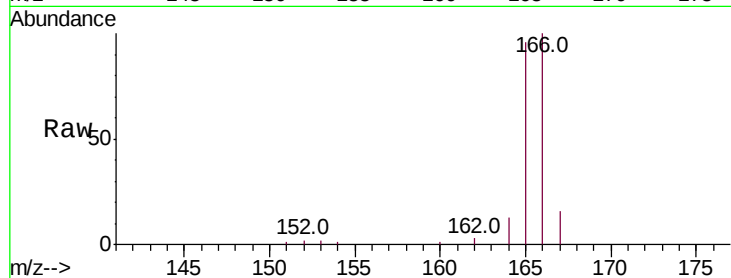
Tot Ion:166 Resp: 10300

Ion Ratio Lower Upper

166 100

165 96.0 77.7 116.5

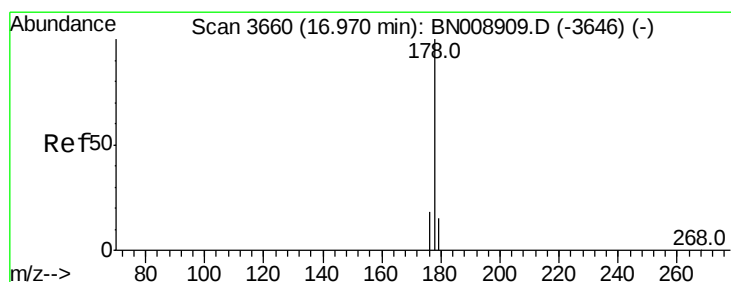
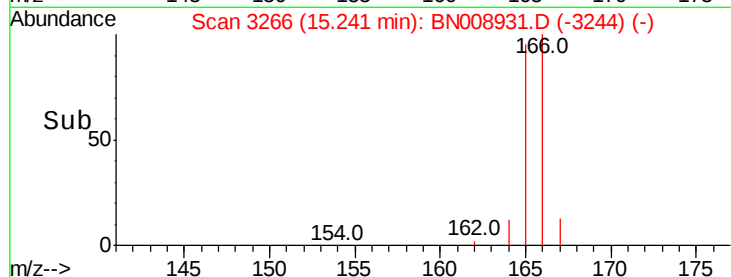
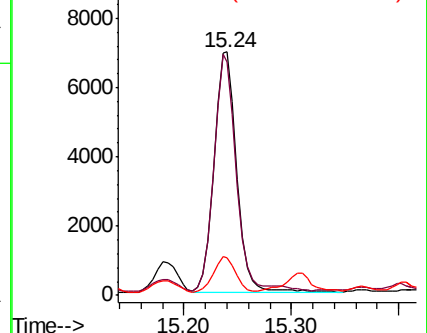
167 15.6 11.1 16.7



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: 5.181 ng/ul

RT: 16.97 min Scan# 3660

Delta R.T. 0.00 min

Lab File: BN008931.D

Acq: 11 Dec 2019 23:32

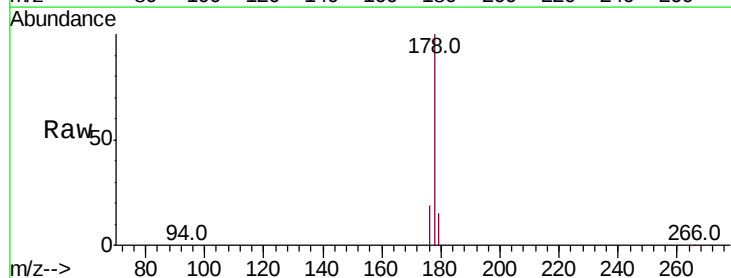
Tgt Ion:178 Resp: 277881

Ion Ratio Lower Upper

178 100

179 15.3 12.6 18.8

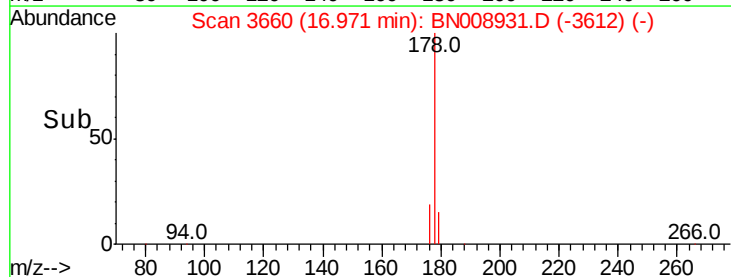
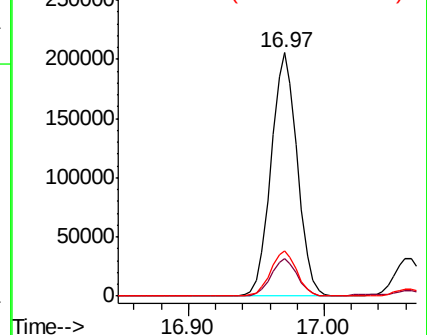
176 18.5 15.3 22.9

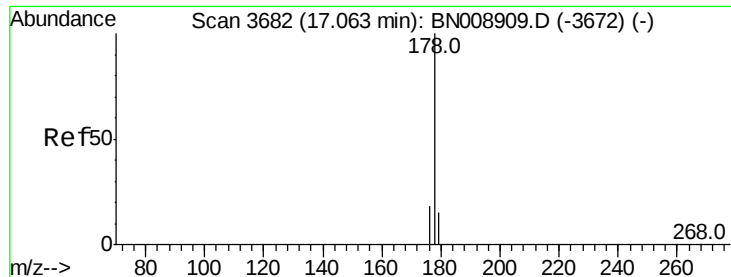


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.873 ng/ul

RT: 17.06 min Scan# 3681

Delta R.T. -0.00 min

Lab File: BN008931.D

Acq: 11 Dec 2019 23:32

Instrument :

BNA_N

ClientSampleId :

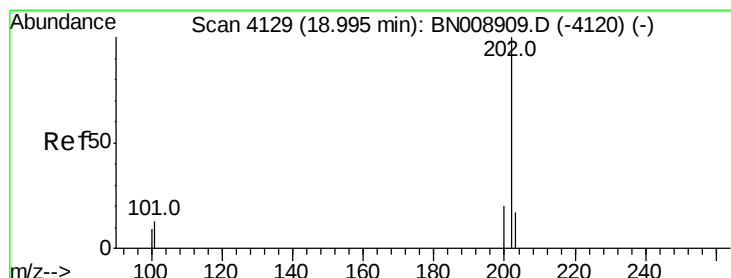
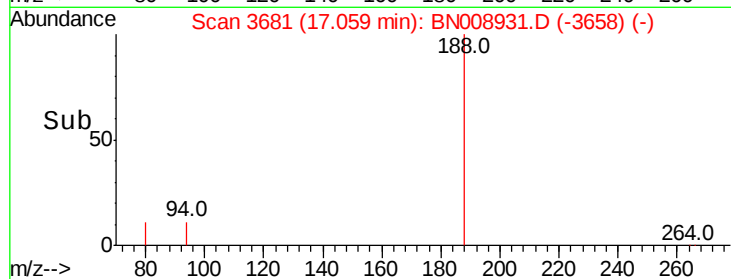
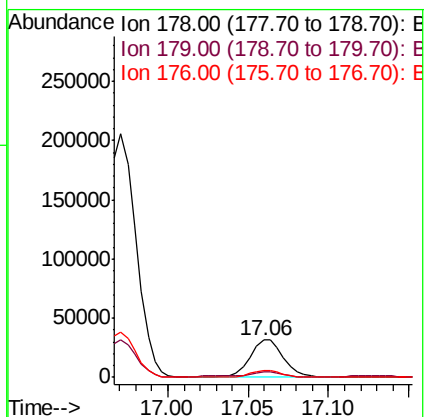
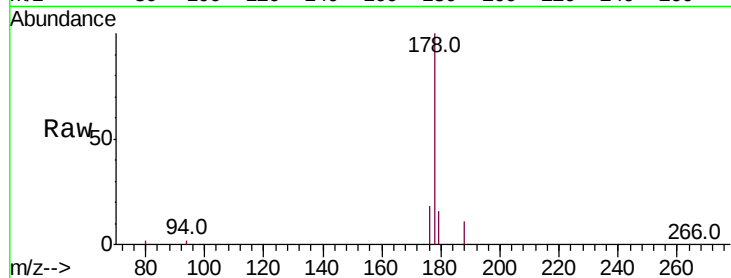
Tot Ion:178 Resp: 44248

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.4

176 18.5 14.7 22.1



#15

Fluoranthene

Concen: 11.041 ng/ul

RT: 19.00 min Scan# 4129

Delta R.T. 0.00 min

Lab File: BN008931.D

Acq: 11 Dec 2019 23:32

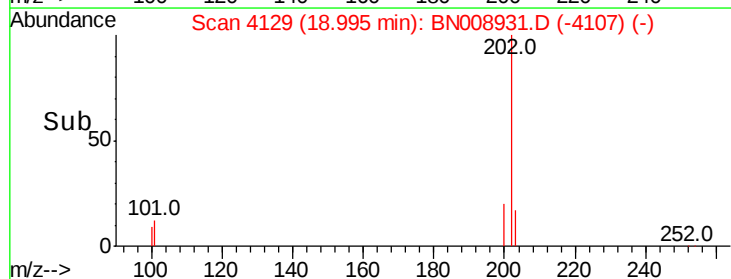
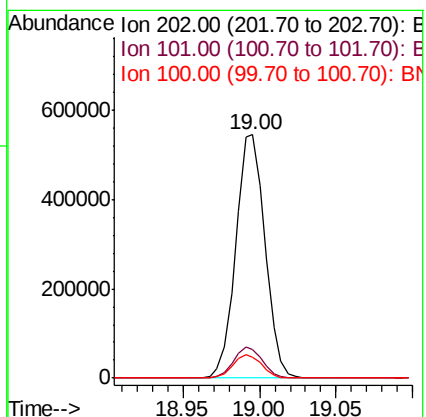
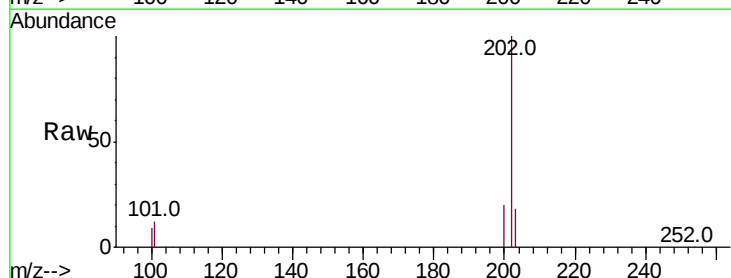
Tgt Ion:202 Resp: 727585

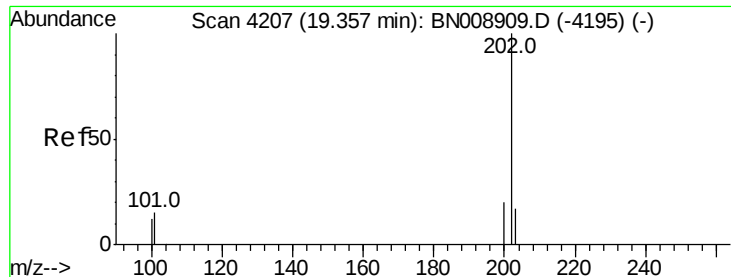
Ion Ratio Lower Upper

202 100

101 11.8 0.0 32.4

100 8.8 0.0 29.2

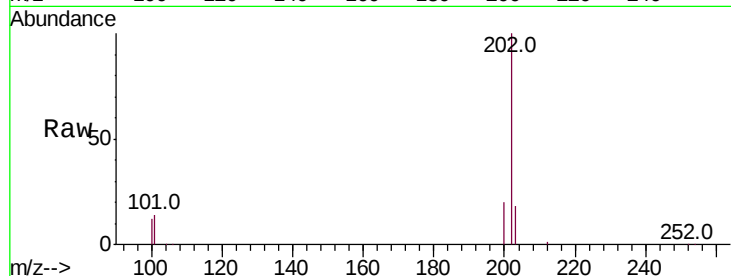




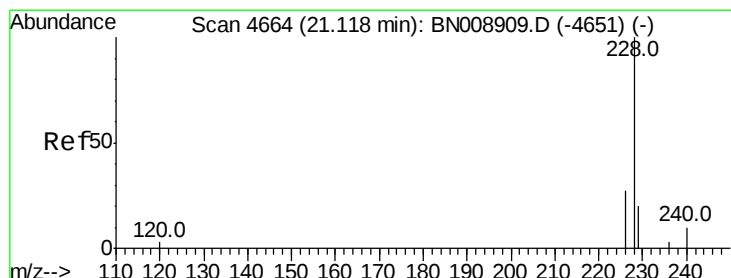
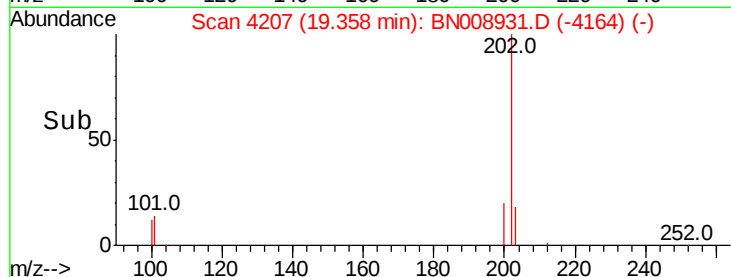
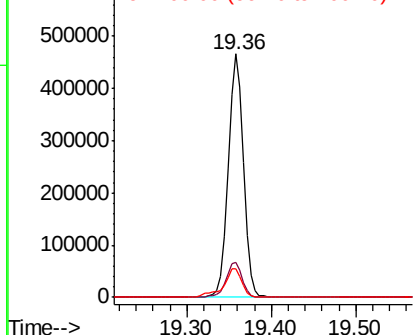
#17
Pvrene
Concen: 10.687 ng/ul
RT: 19.36 min Scan# 4207
Delta R.T. 0.00 min
Lab File: BN008931.D
Acq: 11 Dec 2019 23:32

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 592637
Ion Ratio Lower Upper
202 100
101 14.5 12.2 18.4
100 11.6 9.5 14.3

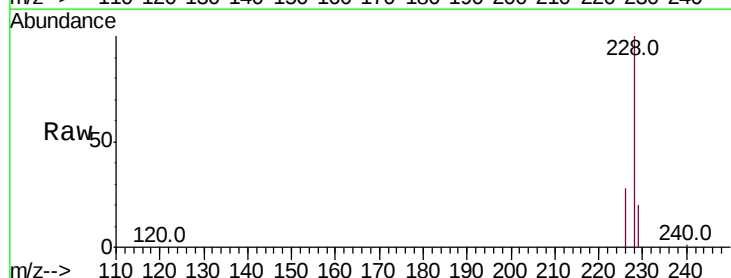


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

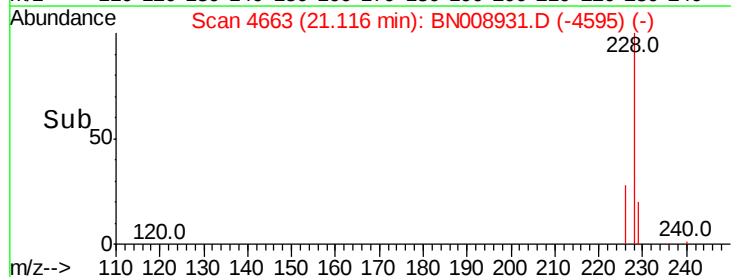
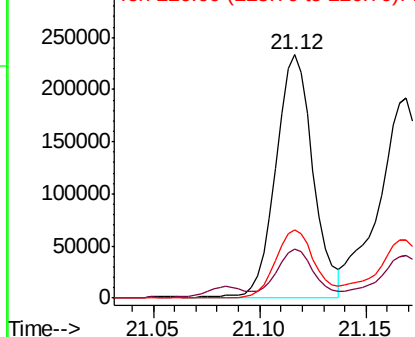


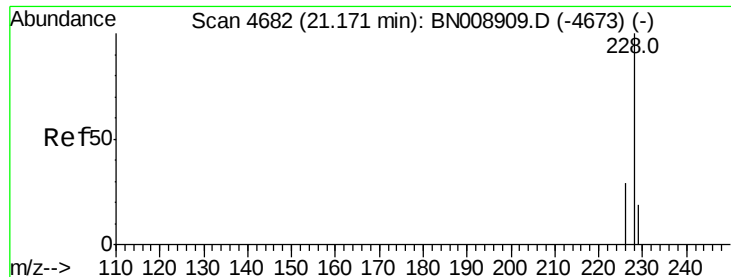
#18
Benzo(a)anthracene
Concen: 5.049 ng/ul
RT: 21.12 min Scan# 4663
Delta R.T. -0.00 min
Lab File: BN008931.D
Acq: 11 Dec 2019 23:32

Tgt Ion:228 Resp: 280632
Ion Ratio Lower Upper
228 100
229 19.9 15.7 23.5
226 28.1 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: 5.036 ng/ul

RT: 21.17 min Scan# 4681

Delta R.T. -0.00 min

Lab File: BN008931.D

Acq: 11 Dec 2019 23:32

Instrument :

BNA_N

ClientSampleId :

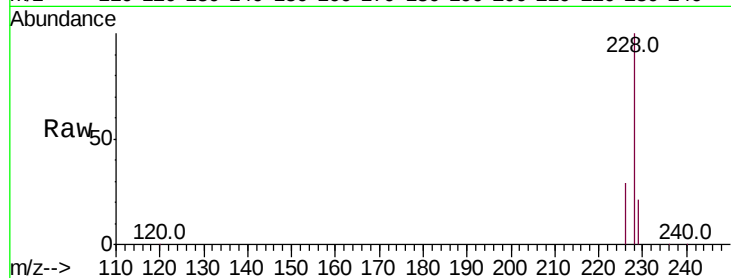
Tot Ion:228 Resp: 274940

Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.6

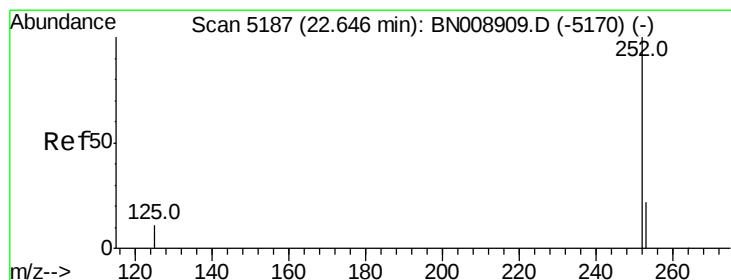
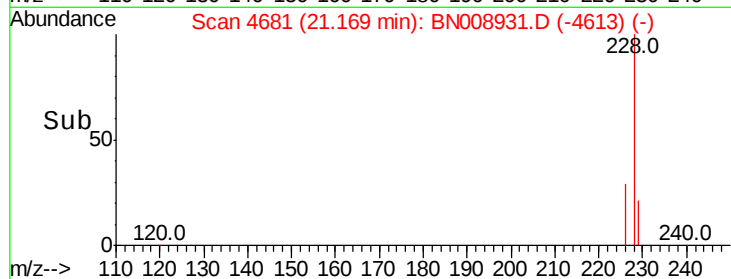
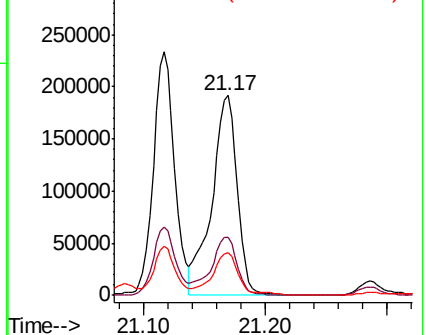
229 21.3 15.6 23.4



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: 8.814 ng/ul

RT: 22.64 min Scan# 5186

Delta R.T. -0.00 min

Lab File: BN008931.D

Acq: 11 Dec 2019 23:32

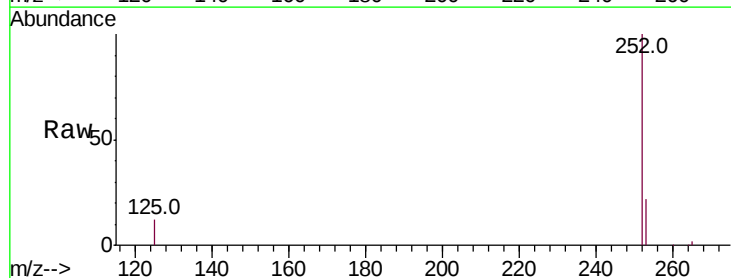
Tgt Ion:252 Resp: 525390

Ion Ratio Lower Upper

252 100

253 22.3 0.0 48.6

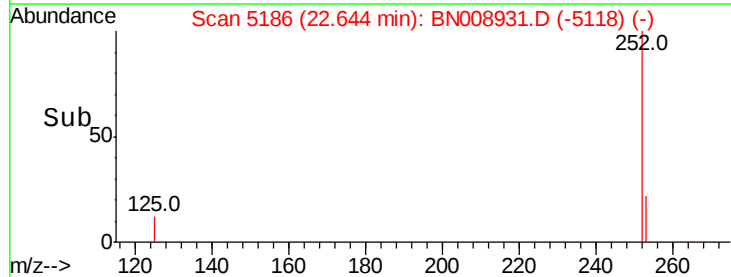
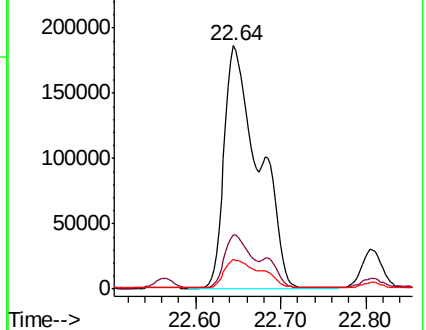
125 12.1 0.0 31.6

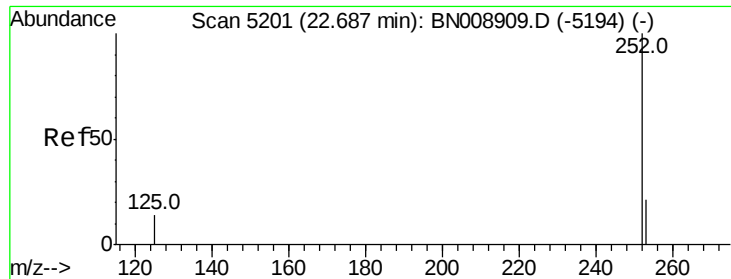


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

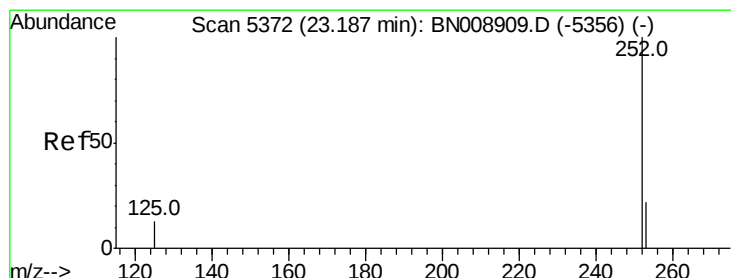
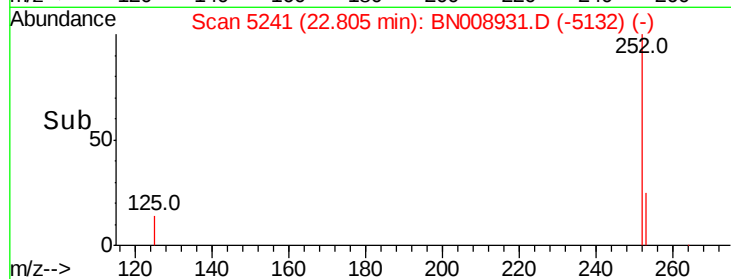
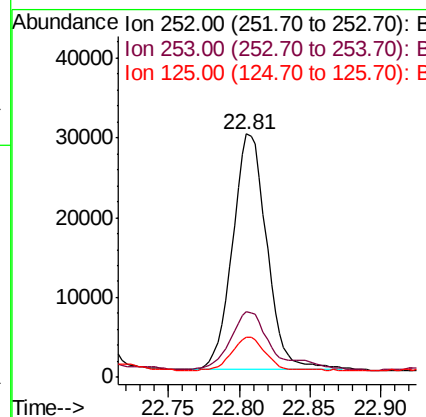
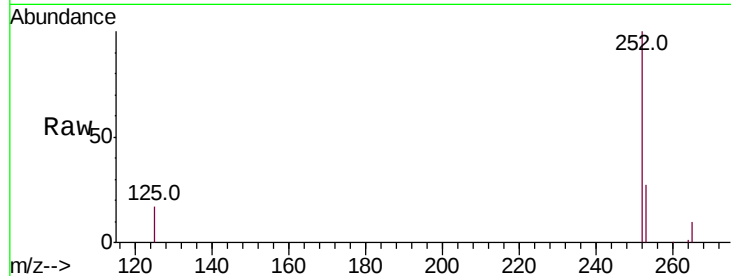




#22
Benzo(k)fluoranthene
Concen: 0.836 ng/ul
RT: 22.81 min Scan# 5241
Delta R.T. 0.12 min
Lab File: BN008931.D
Acq: 11 Dec 2019 23:32

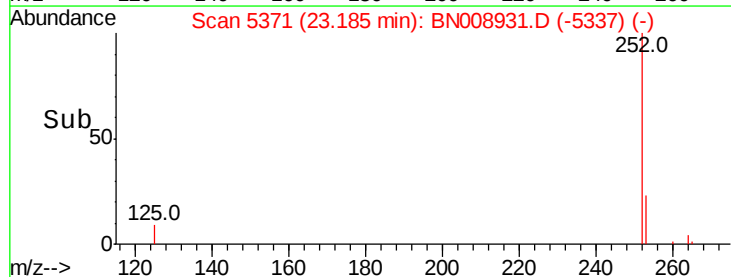
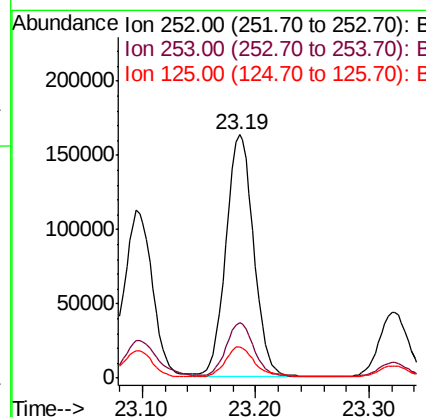
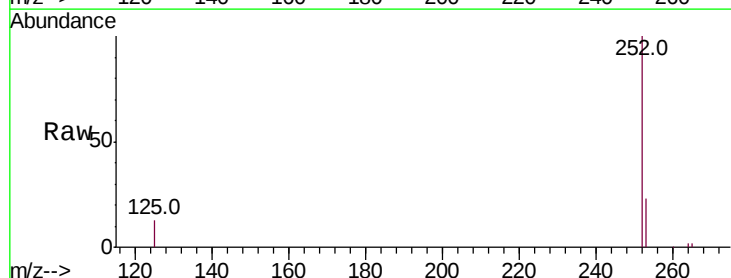
Instrument :
BNA_N
ClientSampleId :

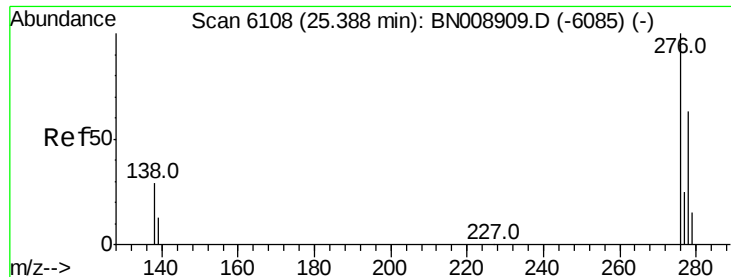
Tot Ion:252 Resp: 49400
Ion Ratio Lower Upper
252 100
253 27.2 19.6 29.4
125 16.6 13.8 20.6



#23
Benzo(a)pyrene
Concen: 4.962 ng/ul
RT: 23.19 min Scan# 5371
Delta R.T. -0.00 min
Lab File: BN008931.D
Acq: 11 Dec 2019 23:32

Tgt Ion:252 Resp: 277656
Ion Ratio Lower Upper
252 100
253 22.6 19.9 29.9
125 12.8 14.6 22.0#

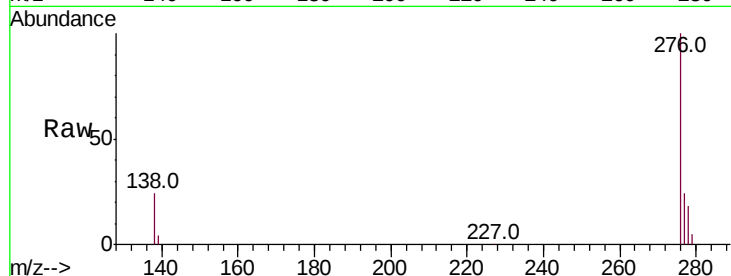




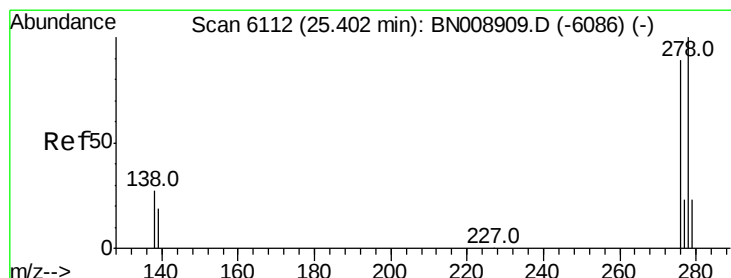
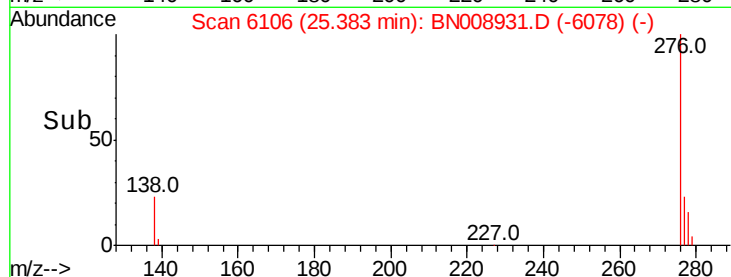
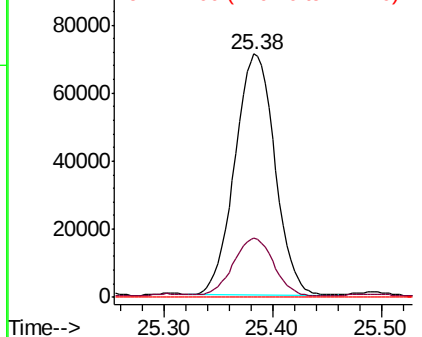
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 2.779 ng/ul
 RT: 25.38 min Scan# 6106
 Delta R.T. -0.01 min
 Lab File: BN008931.D
 Acq: 11 Dec 2019 23:32

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 181845
 Ion Ratio Lower Upper
 276 100
 138 24.2 23.8 35.6
 227 0.2 0.2 0.2

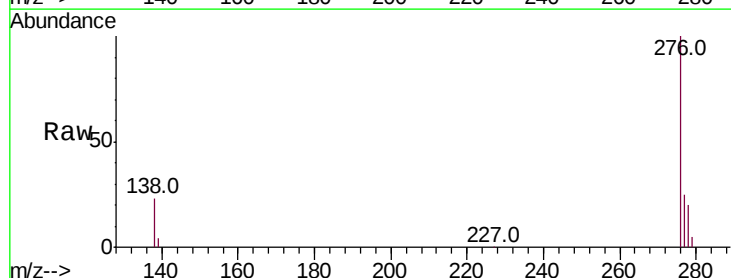


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

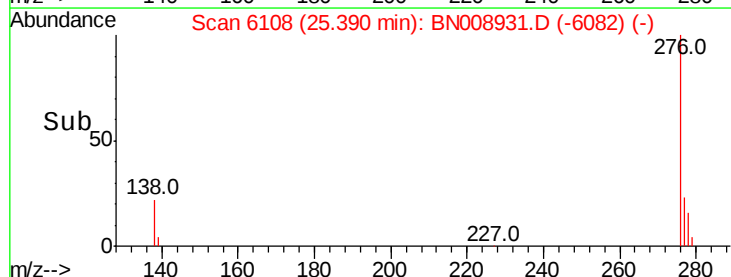
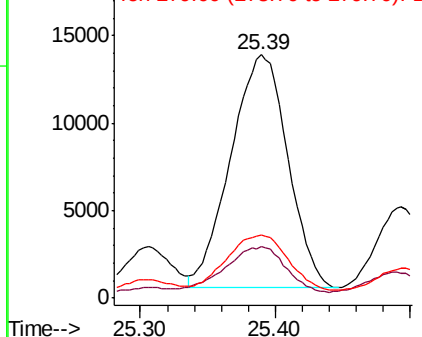


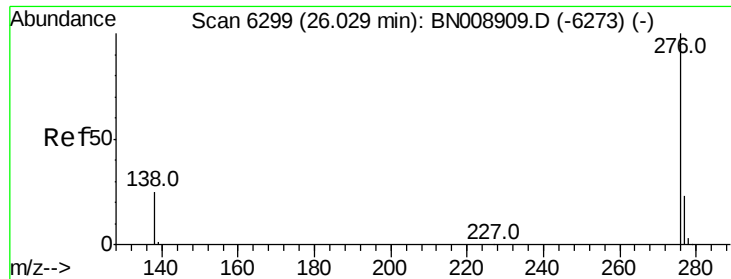
#25
 Dibenzo(a,h)anthracene
 Concen: 0.741 ng/ul
 RT: 25.39 min Scan# 6108
 Delta R.T. -0.01 min
 Lab File: BN008931.D
 Acq: 11 Dec 2019 23:32

Tgt Ion:278 Resp: 39182
 Ion Ratio Lower Upper
 278 100
 139 21.4 17.4 26.0
 279 25.9 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: 3.231 ng/ul

RT: 26.02 min Scan# 6297

Delta R.T. -0.01 min

Lab File: BN008931.D

Acq: 11 Dec 2019 23:32

Instrument :

BNA_N

ClientSampleId :

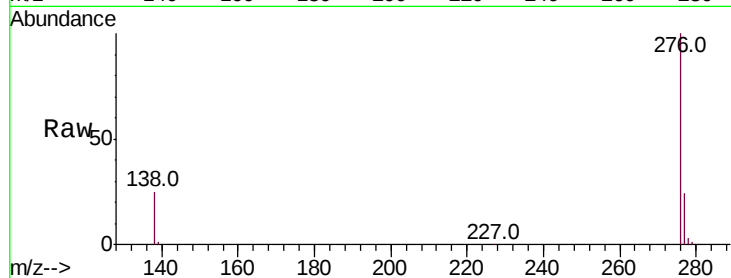
Tot Ion:276 Resp: 176892

Ion Ratio Lower Upper

276 100

138 24.5 21.9 32.9

277 24.0 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

