

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120619\
 Data File : BN008867.D
 Acq On : 06 Dec 2019 19:37
 Operator : JU
 Sample : K6007-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 06 22:58:00 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 : Fri Dec 06 12:03:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	2915	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	13230	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	8889	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	19705	0.40	ng/ul	0.00
16) Chrysene-d12	21.14	240	17832	0.40	ng/ul	0.00
20) Perylene-d12	23.29	264	19487	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.92	152	2967	0.14	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	9352	0.16	ng/ul	0.00

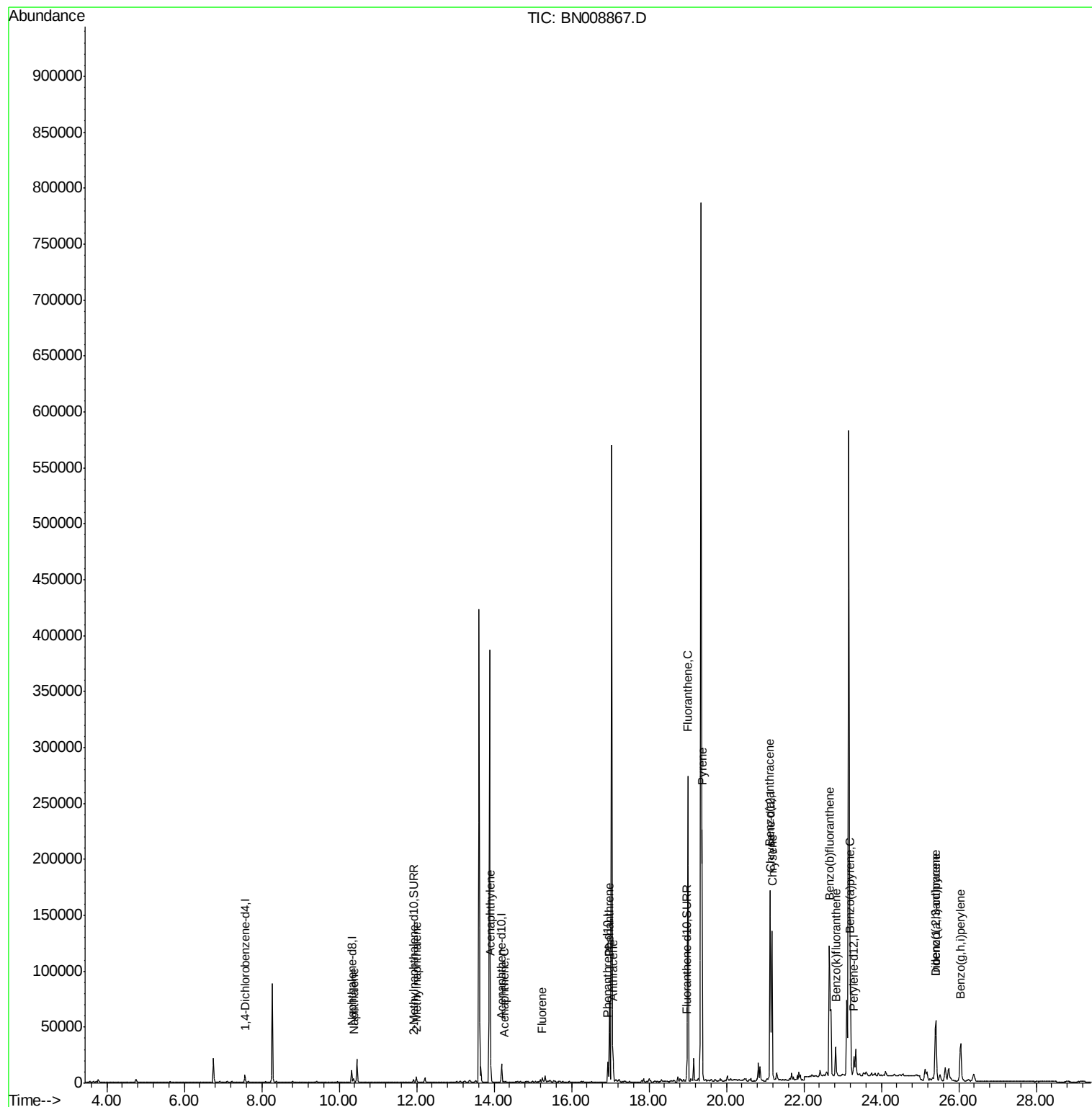
Target Compounds				Ovalue		
3) Naphthalene	10.37	128	3981	0.100	ng/ul	96
5) 2-Methylnaphthalene	12.00	142	3448	0.124	ng/ul	99
7) Acenaphthylene	13.91	152	24588	0.500	ng/ul	99
8) Acenaphthene	14.25	153	809	0.022	ng/ul#	94
9) Fluorene	15.25	166	2463	0.058	ng/ul#	90
12) Phenanthrene	16.98	178	73542	1.107	ng/ul	99
13) Anthracene	17.07	178	21019	0.335	ng/ul	99
15) Fluoranthene	19.00	202	230117	2.819	ng/ul	98
17) Pyrene	19.37	202	174989	2.446	ng/ul	98
18) Benzo(a)anthracene	21.12	228	137517	1.918	ng/ul	95
19) Chrysene	21.18	228	132791	1.885	ng/ul	98
21) Benzo(b)fluoranthene	22.66	252	243999	3.036	ng/ul	95
22) Benzo(k)fluoranthene	22.82	252	33298	0.418	ng/ul	95
23) Benzo(a)pyrene	23.20	252	104945	1.391	ng/ul#	94
24) Indeno(1,2,3-cd)pyrene	25.40	276	75155	0.852	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.41	278	22167	0.311	ng/ul	95
26) Benzo(a,h,i)perylene	26.05	276	63824	0.865	ng/ul	97

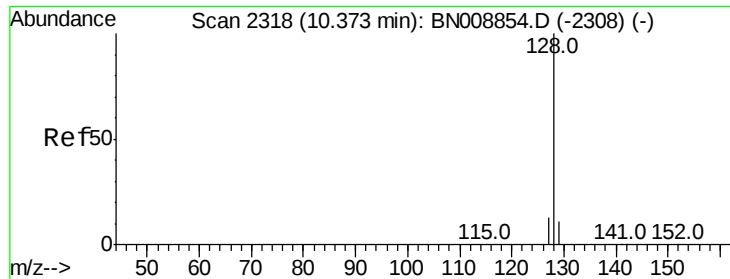
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.100 ng/ul

RT: 10.37 min Scan# 2318

Delta R.T. -0.00 min

Lab File: BN008867.D

Acq: 06 Dec 2019 19:37

Instrument :

BNA_N

ClientSampleId :

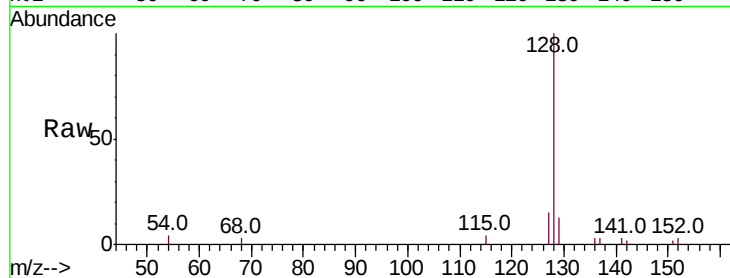
Tot Ion:128 Resp: 3981

Ion Ratio Lower Upper

128 100

129 13.2 9.1 13.7

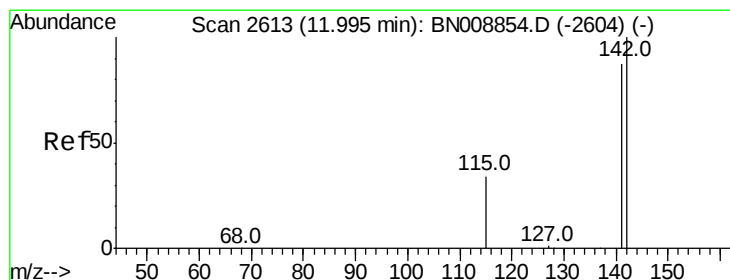
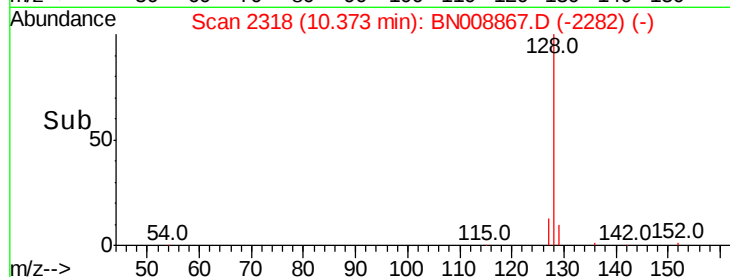
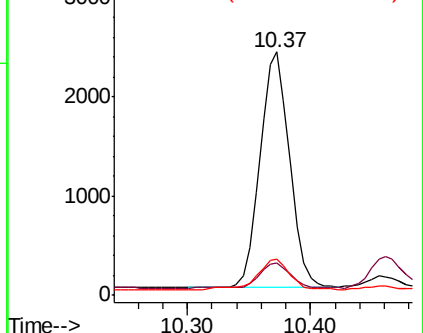
127 14.8 10.7 16.1



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: 0.124 ng/ul

RT: 12.00 min Scan# 2613

Delta R.T. -0.00 min

Lab File: BN008867.D

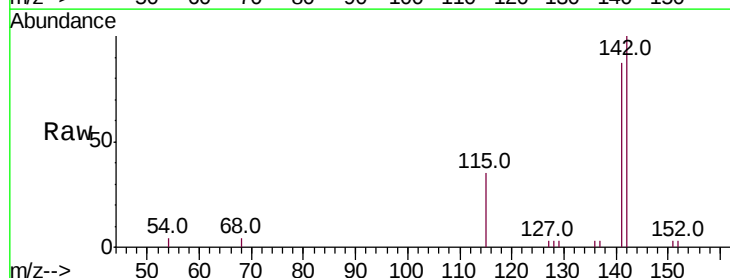
Acq: 06 Dec 2019 19:37

Tgt Ion:142 Resp: 3448

Ion Ratio Lower Upper

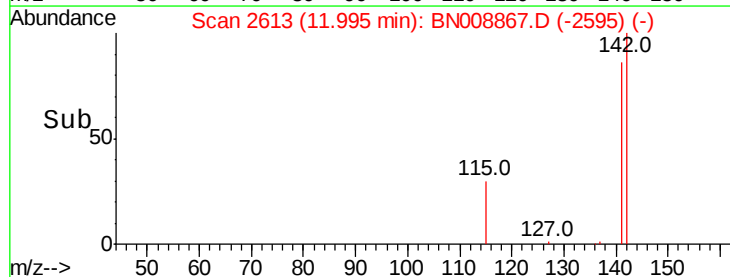
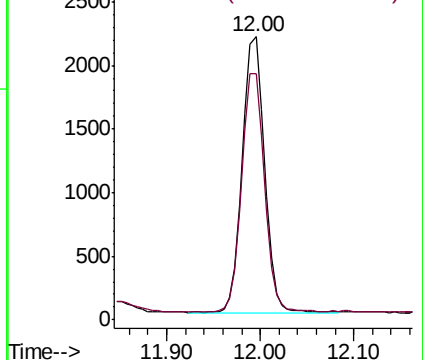
142 100

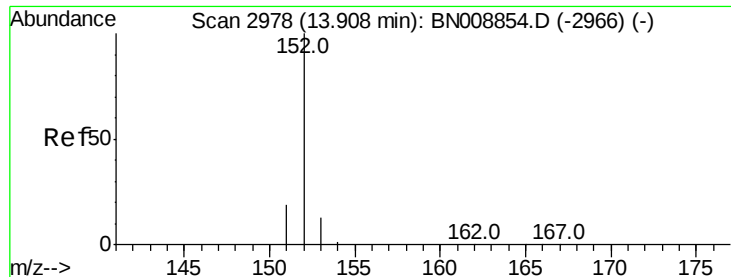
141 88.1 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.500 ng/ul

RT: 13.91 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BN008867.D

Acq: 06 Dec 2019 19:37

Instrument :

BNA_N

ClientSampleId :

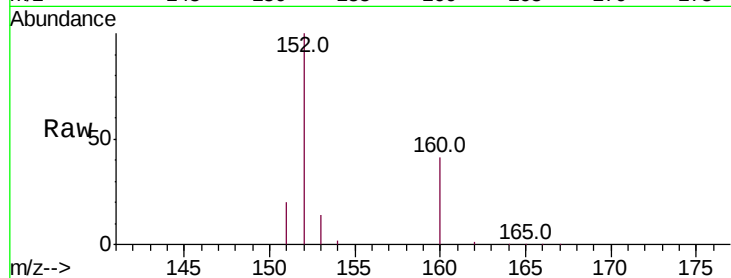
Tot Ion:152 Resp: 24588

Ion Ratio Lower Upper

152 100

151 19.5 15.8 23.6

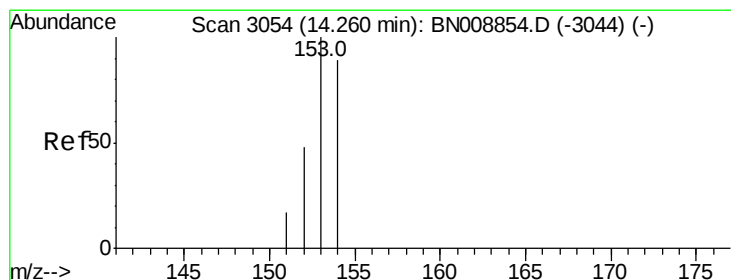
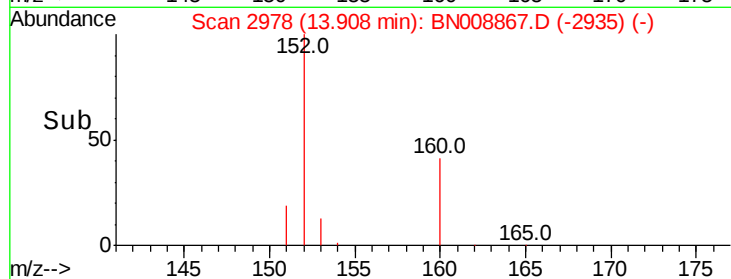
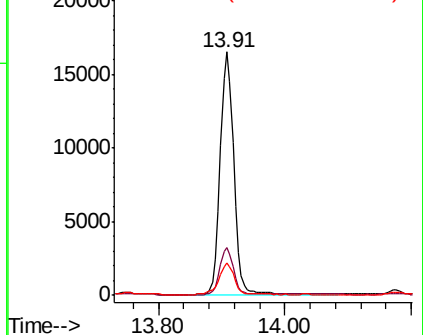
153 13.5 10.6 15.8



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: 0.022 ng/ul

RT: 14.25 min Scan# 3053

Delta R.T. -0.00 min

Lab File: BN008867.D

Acq: 06 Dec 2019 19:37

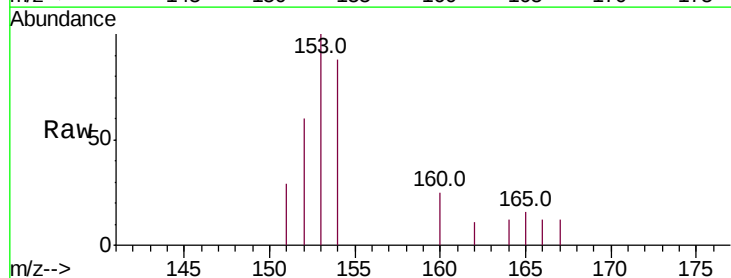
Tgt Ion:153 Resp: 809

Ion Ratio Lower Upper

153 100

152 60.2 38.6 58.0#

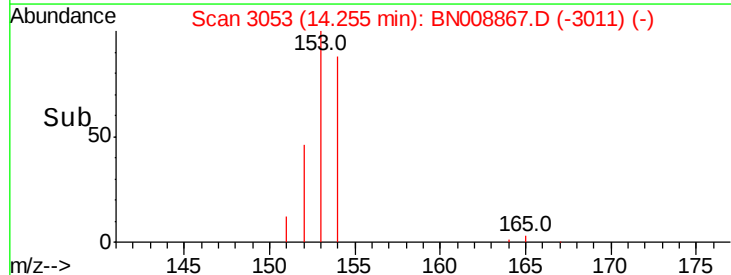
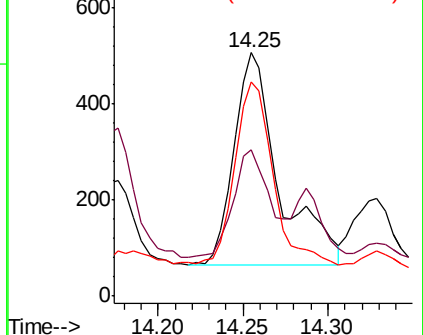
154 88.2 70.6 105.8

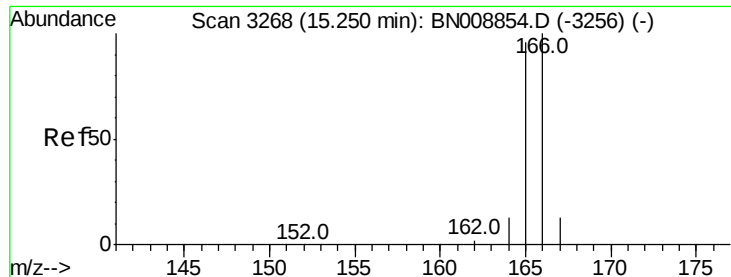


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.058 ng/ul

RT: 15.25 min Scan# 3267

Delta R.T. -0.00 min

Lab File: BN008867.D

Acq: 06 Dec 2019 19:37

Instrument :

BNA_N

ClientSampleId :

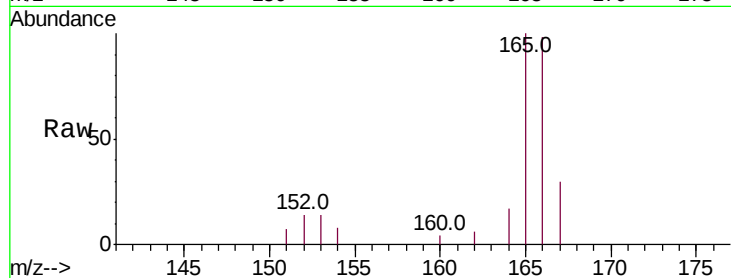
Tot Ion:166 Resp: 2463

Ion Ratio Lower Upper

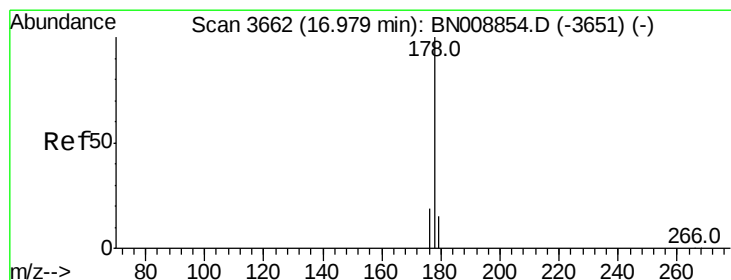
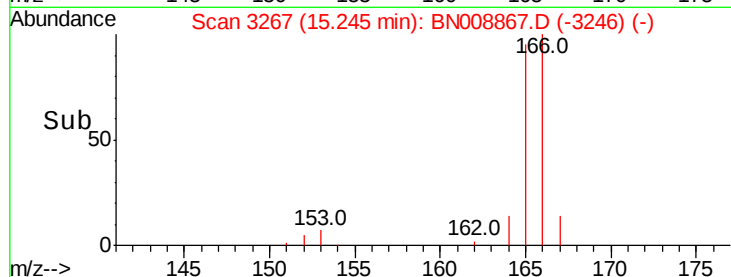
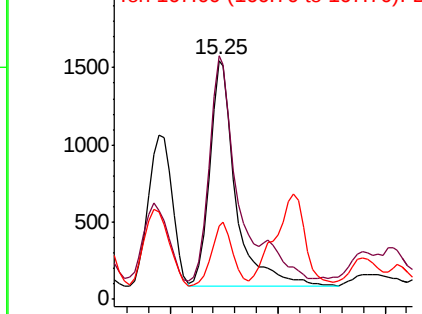
166 100

165 101.9 77.7 116.5

167 30.8 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: 1.107 ng/ul

RT: 16.98 min Scan# 3662

Delta R.T. -0.00 min

Lab File: BN008867.D

Acq: 06 Dec 2019 19:37

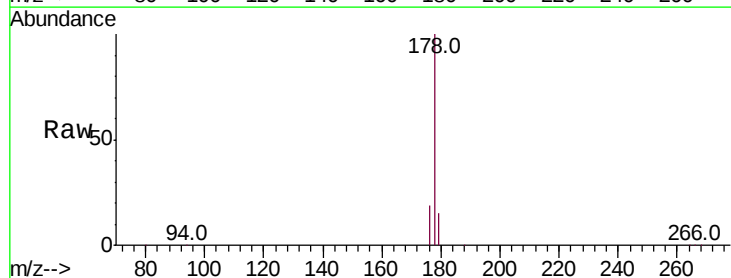
Tgt Ion:178 Resp: 73542

Ion Ratio Lower Upper

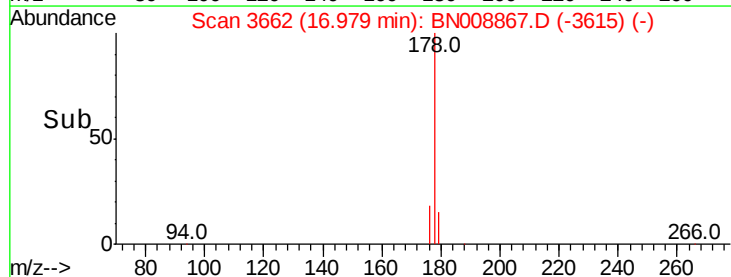
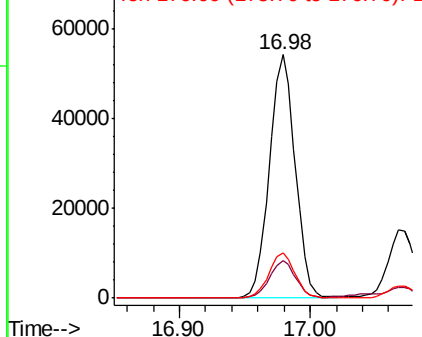
178 100

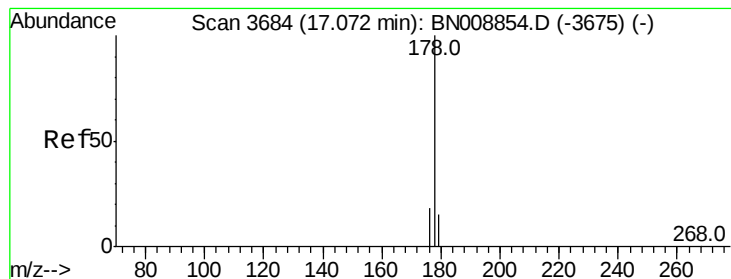
179 15.3 12.6 18.8

176 18.6 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: 0.335 ng/ul

RT: 17.07 min Scan# 3683

Delta R.T. -0.00 min

Lab File: BN008867.D

Acq: 06 Dec 2019 19:37

Instrument :

BNA_N

ClientSampleId :

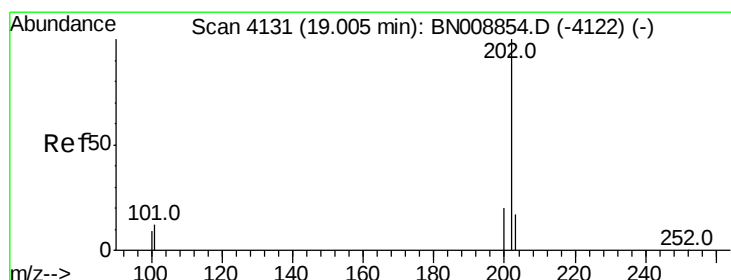
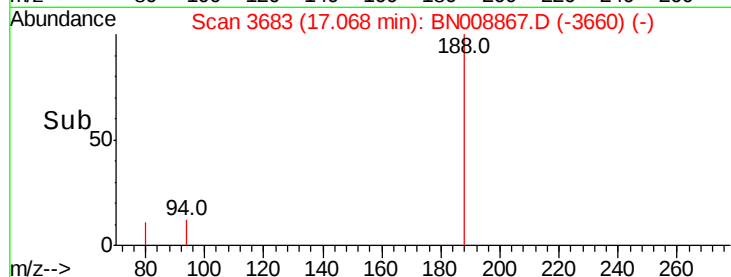
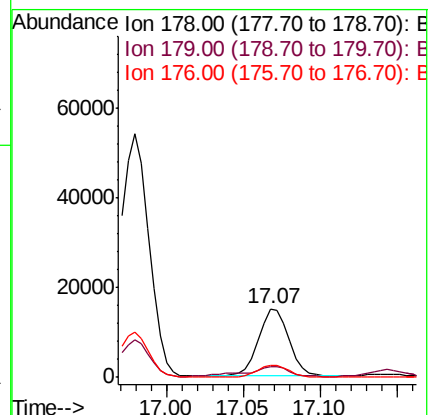
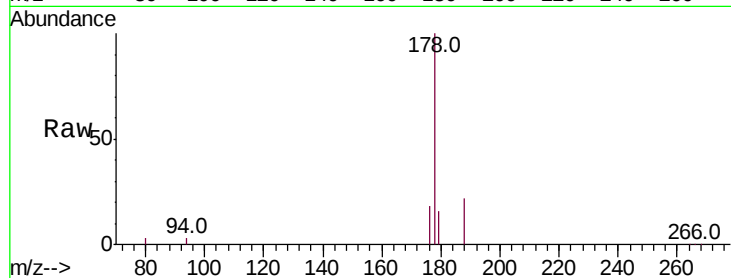
Tot Ion:178 Resp: 21019

Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.4

176 18.4 14.7 22.1



#15

Fluoranthene

Concen: 2.819 ng/ul

RT: 19.00 min Scan# 4130

Delta R.T. -0.00 min

Lab File: BN008867.D

Acq: 06 Dec 2019 19:37

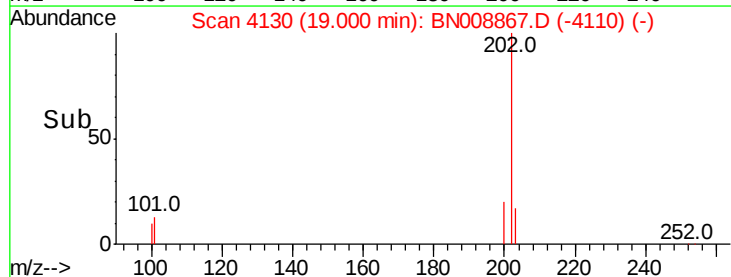
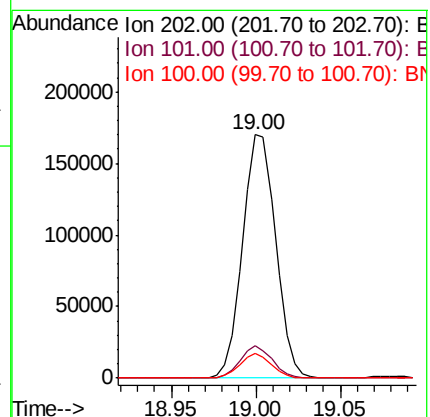
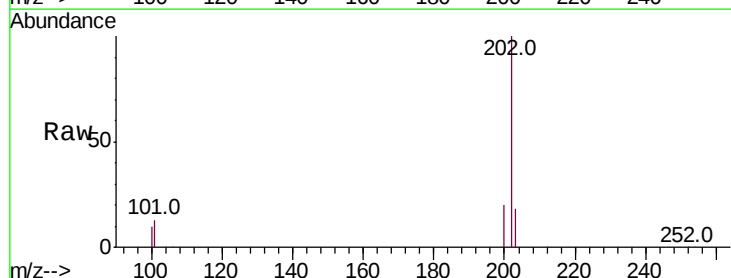
Tgt Ion:202 Resp: 230117

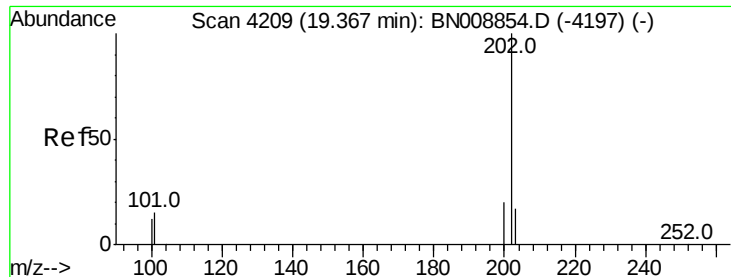
Ion Ratio Lower Upper

202 100

101 13.1 0.0 32.4

100 10.0 0.0 29.2

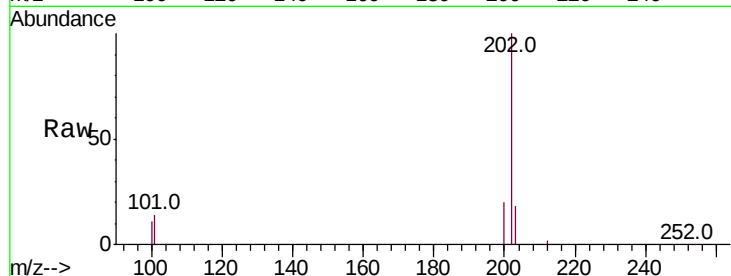




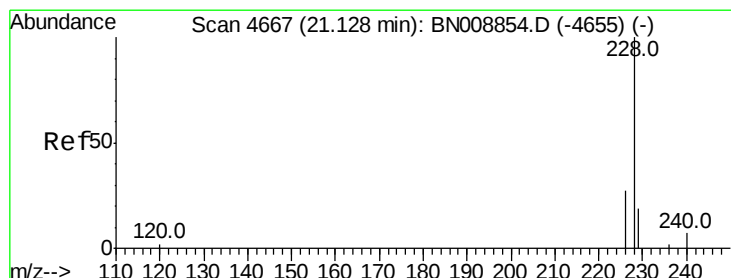
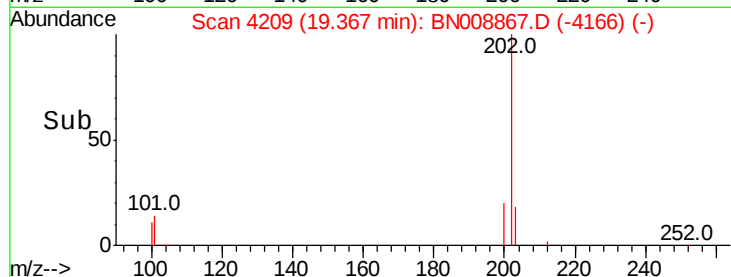
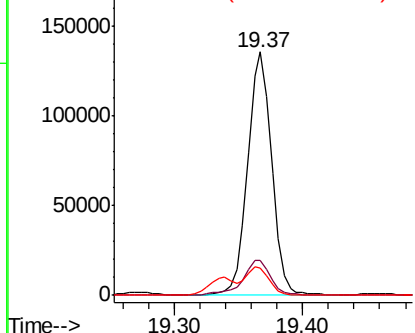
#17
Pvrene
Concen: 2.446 ng/ul
RT: 19.37 min Scan# 4209
Delta R.T. -0.00 min
Lab File: BN008867.D
Acq: 06 Dec 2019 19:37

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 174989
Ion Ratio Lower Upper
202 100
101 14.3 12.2 18.4
100 11.4 9.5 14.3

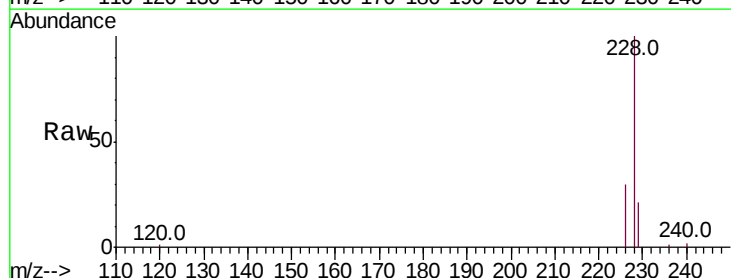


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

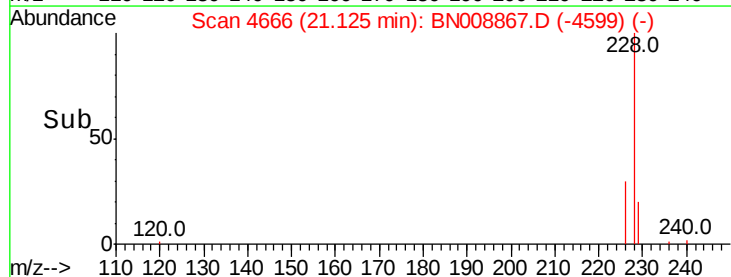
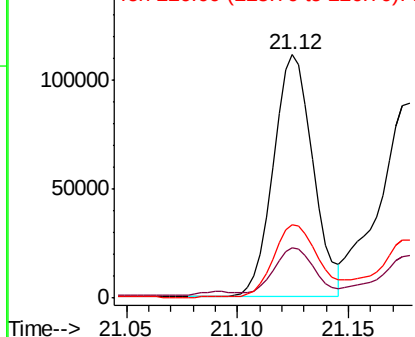


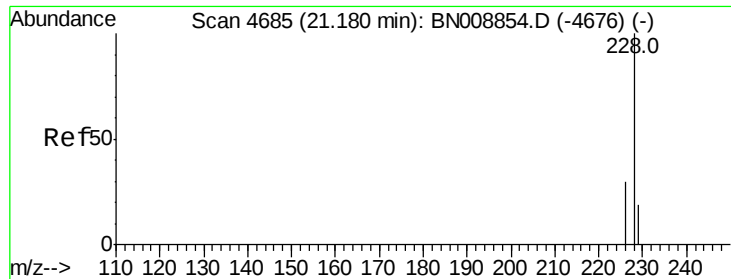
#18
Benzo(a)anthracene
Concen: 1.918 ng/ul
RT: 21.12 min Scan# 4666
Delta R.T. -0.00 min
Lab File: BN008867.D
Acq: 06 Dec 2019 19:37

Tgt Ion:228 Resp: 137517
Ion Ratio Lower Upper
228 100
229 20.6 15.7 23.5
226 30.1 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: 1.885 ng/ul

RT: 21.18 min Scan# 4684

Delta R.T. -0.00 min

Lab File: BN008867.D

Acq: 06 Dec 2019 19:37

Instrument :

BNA_N

ClientSampleId :

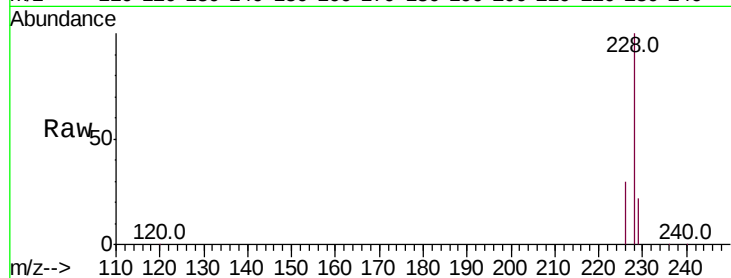
Tot Ion:228 Resp: 132791

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.6

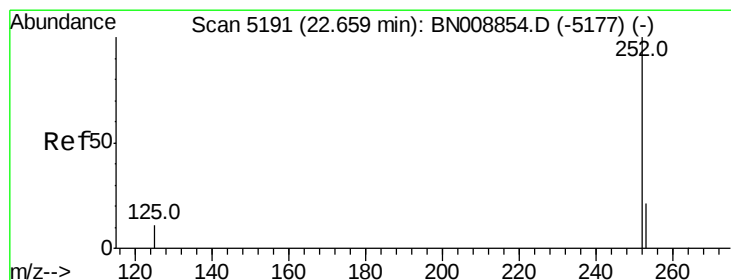
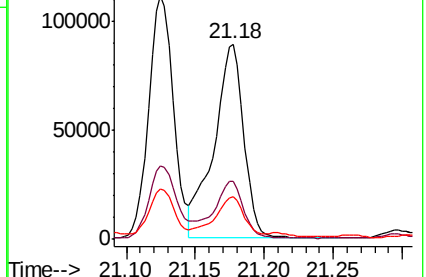
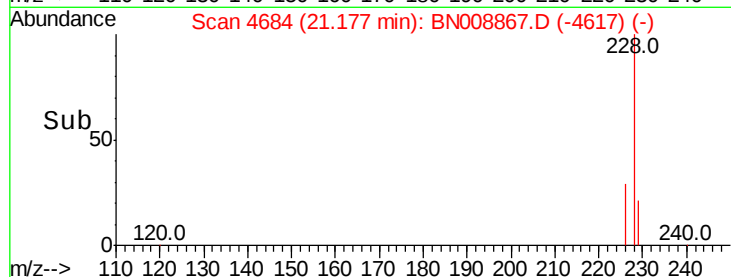
229 21.7 15.6 23.4



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: 3.036 ng/ul

RT: 22.66 min Scan# 5190

Delta R.T. -0.00 min

Lab File: BN008867.D

Acq: 06 Dec 2019 19:37

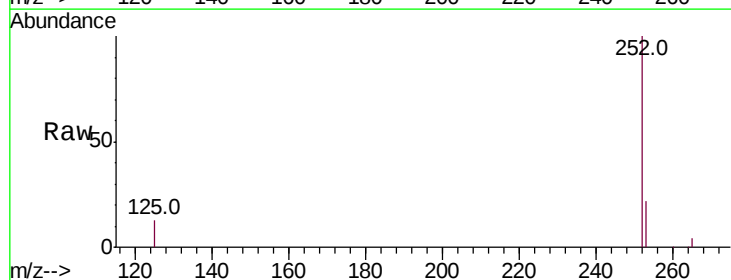
Tgt Ion:252 Resp: 243999

Ion Ratio Lower Upper

252 100

253 22.5 0.0 48.6

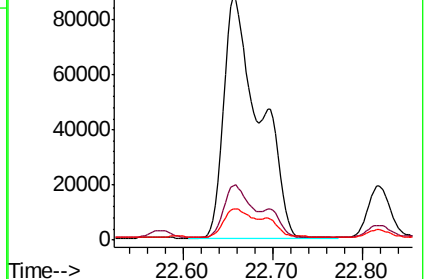
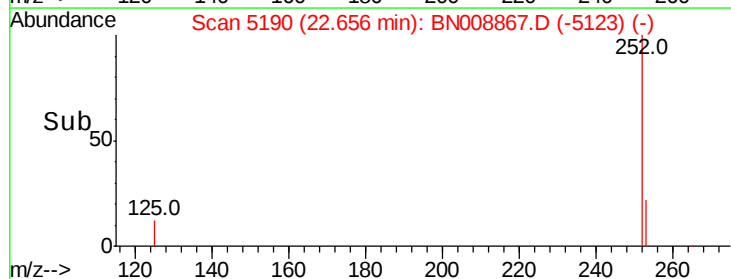
125 12.8 0.0 31.6

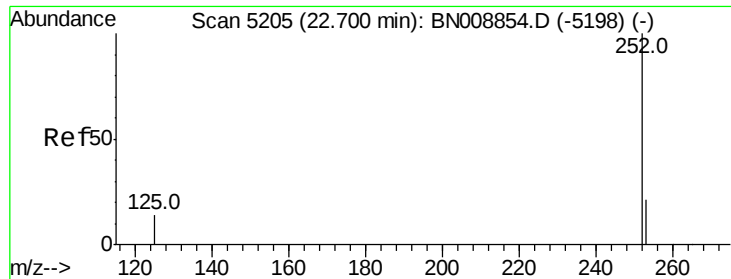


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.418 ng/ul

RT: 22.82 min Scan# 5245

Delta R.T. 0.12 min

Lab File: BN008867.D

Acq: 06 Dec 2019 19:37

Instrument :

BNA_N

ClientSampleId :

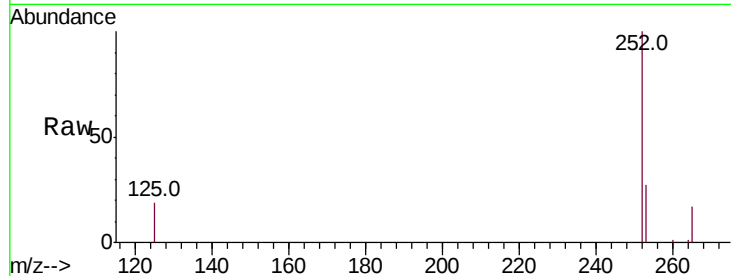
Tot Ion:252 Resp: 33298

Ion Ratio Lower Upper

252 100

253 27.5 19.6 29.4

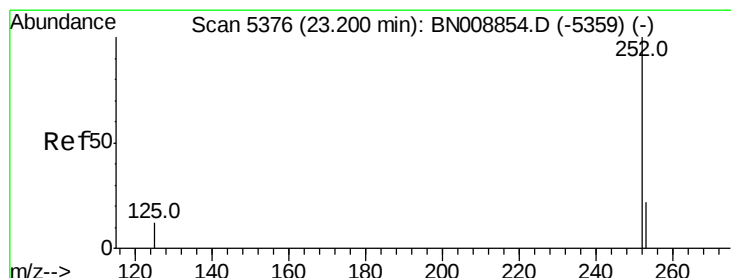
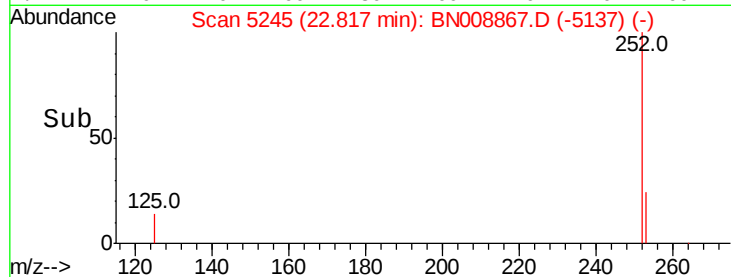
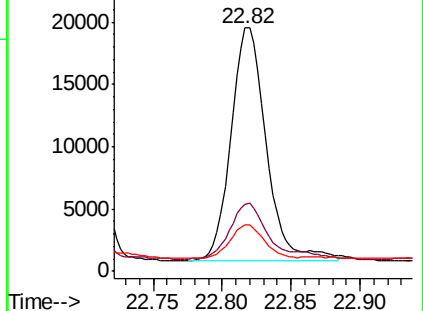
125 18.9 13.8 20.6



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: 1.391 ng/ul

RT: 23.20 min Scan# 5376

Delta R.T. -0.00 min

Lab File: BN008867.D

Acq: 06 Dec 2019 19:37

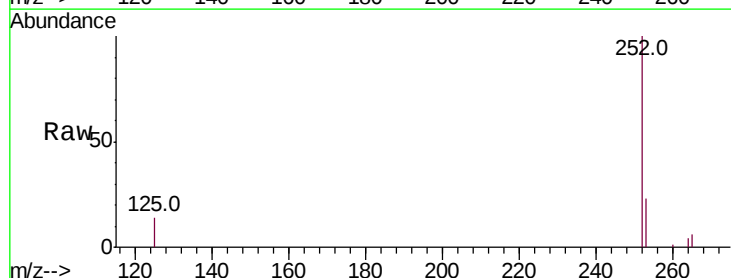
Tgt Ion:252 Resp: 104945

Ion Ratio Lower Upper

252 100

253 23.0 19.9 29.9

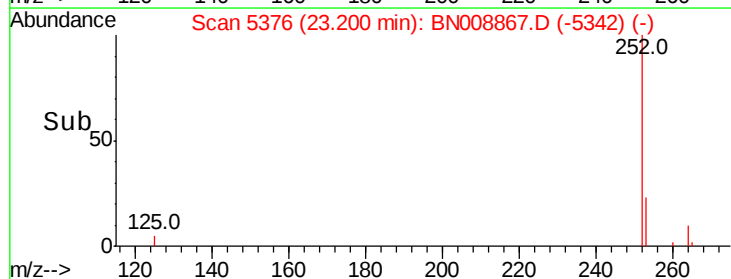
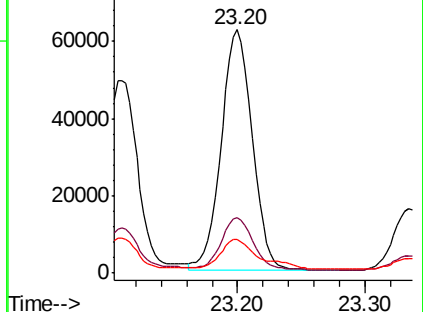
125 14.0 14.6 22.0#

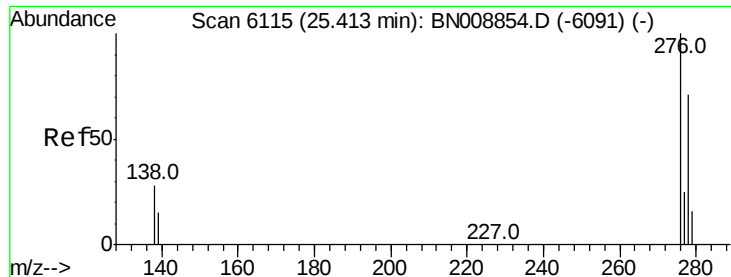


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



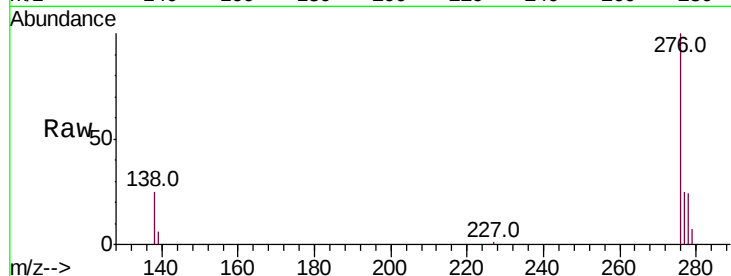


#24

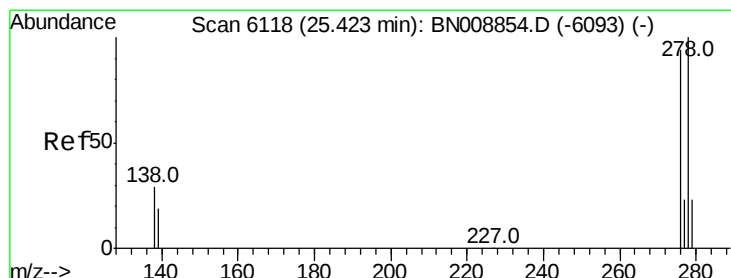
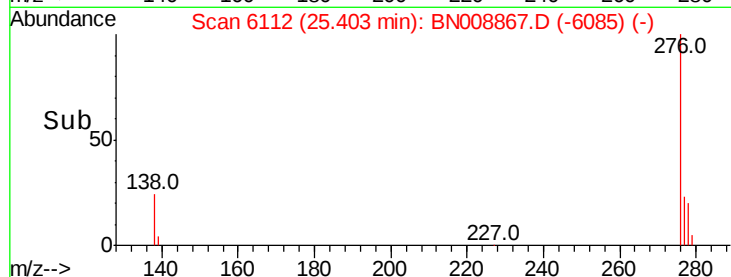
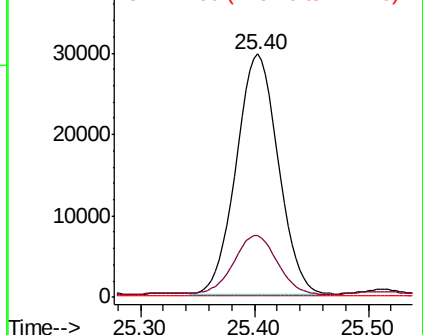
Indeno(1,2,3-cd)pyrene
Concen: 0.852 ng/ul
RT: 25.40 min Scan# 6112
Delta R.T. -0.01 min
Lab File: BN008867.D
Acq: 06 Dec 2019 19:37

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 75155
Ion Ratio Lower Upper
276 100
138 25.6 23.8 35.6
227 0.3 0.2 0.2#



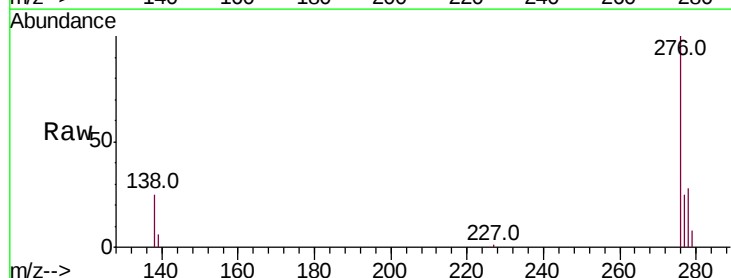
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



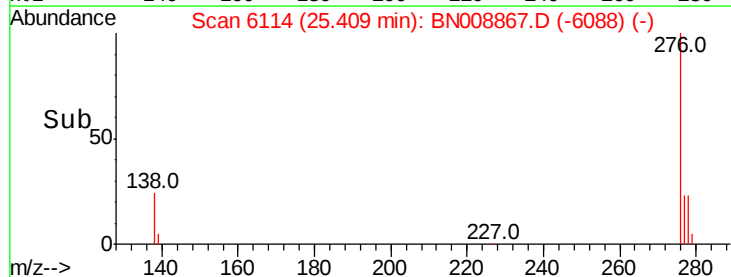
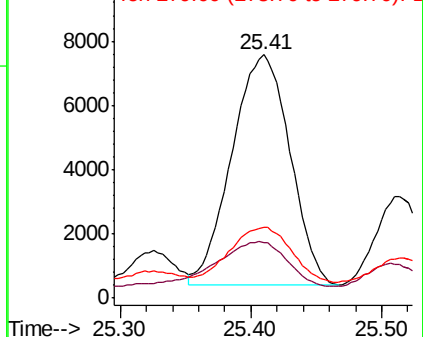
#25

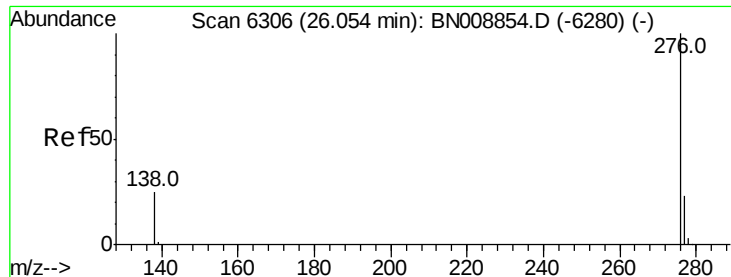
Dibenzo(a,h)anthracene
Concen: 0.311 ng/ul
RT: 25.41 min Scan# 6114
Delta R.T. -0.01 min
Lab File: BN008867.D
Acq: 06 Dec 2019 19:37

Tgt Ion:278 Resp: 22167
Ion Ratio Lower Upper
278 100
139 22.9 17.4 26.0
279 29.3 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: 0.865 ng/ul

RT: 26.05 min Scan# 6304

Delta R.T. -0.01 min

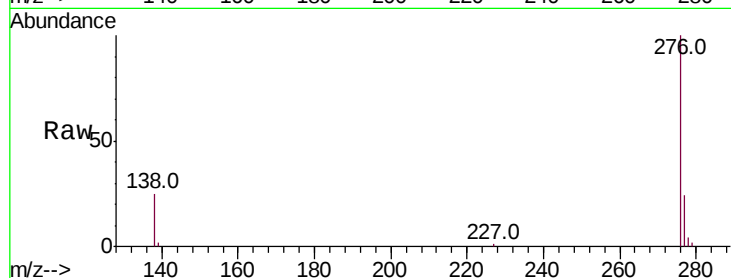
Lab File: BN008867.D

Acq: 06 Dec 2019 19:37

Instrument :

BNA_N

ClientSampleId :



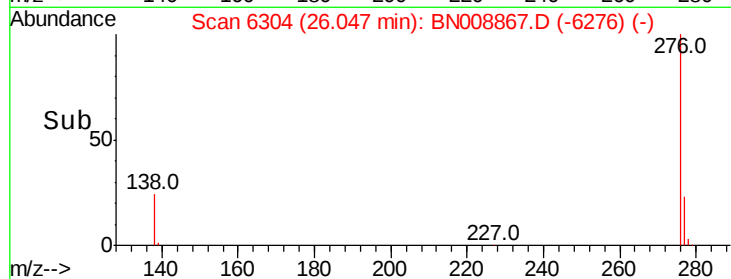
Tot Ion:276 Resp: 63824

Ion Ratio Lower Upper

276 100

138 25.4 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

