

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009244.D
 Acq On : 29 Dec 2019 00:40
 Operator : JU
 Sample : K6278-20
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 29 05:41:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Dec 29 04:38:59 2019
 Response via : Initial Calibration

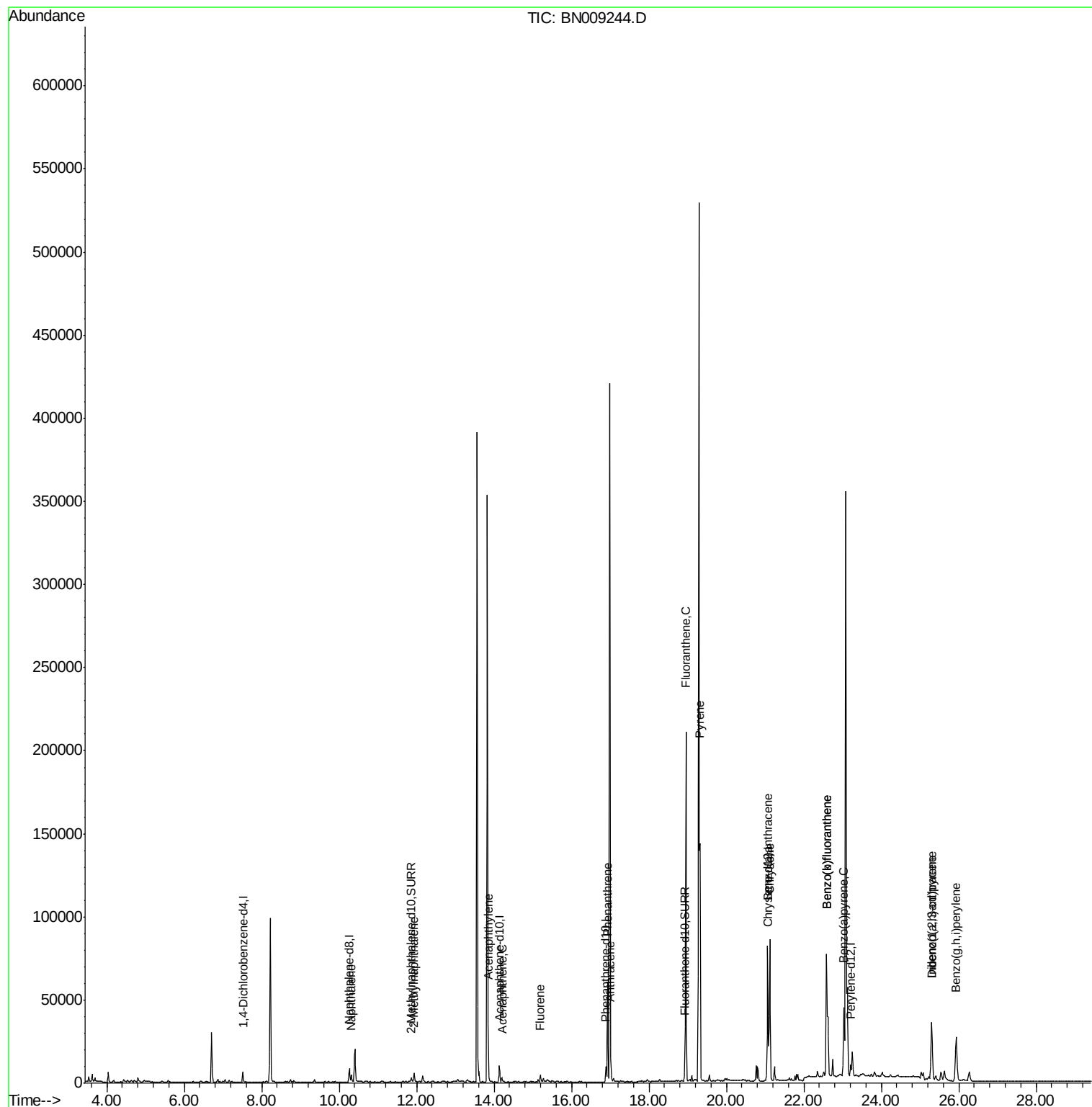
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2684	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	9629	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	5099	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	10020	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	7789	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	8072	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	3183	0.19	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	5995	0.20	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	5405	0.185	ng/ul	97
5) 2-Methylnaphthalene	11.93	142	4066	0.184	ng/ul	100
7) Acenaphthylene	13.86	152	6105	0.228	ng/ul	97
8) Acenaphthene	14.20	153	1618	0.077	ng/ul	98
9) Fluorene	15.19	166	2722	0.110	ng/ul#	97
12) Phenanthrene	16.93	178	63019	1.809	ng/ul	100
13) Anthracene	17.02	178	11268	0.361	ng/ul	98
15) Fluoranthene	18.95	202	172254	4.322	ng/ul	99
17) Pyrene	19.32	202	137235	3.454	ng/ul	99
18) Benzo(a)anthracene	21.07	228	66780	1.931	ng/ul	98
19) Chrysene	21.12	228	81061	2.332	ng/ul	98
21) Benzo(b)fluoranthene	22.59	252	145726	3.866	ng/ul	96
22) Benzo(k)fluoranthene	22.59	252	145726	3.834	ng/ul#	95
23) Benzo(a)pyrene	23.03	252	34269	1.037	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.30	276	51396	1.429	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.31	278	11843	0.414	ng/ul	92
26) Benzo(a,h,i)perylene	25.94	276	51477	1.699	ng/ul	97

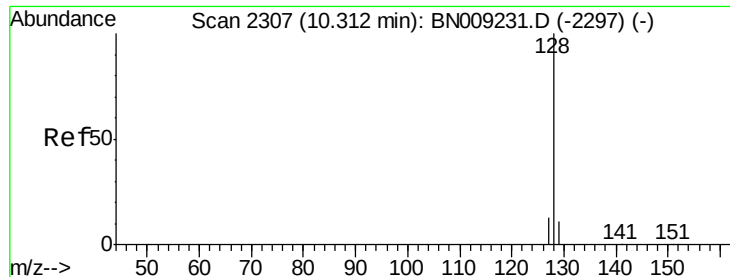
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sun Dec 29 04:38:59 2019
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#3

Naphthalene

Concen: 0.185 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. -0.00 min

Lab File: BN009244.D

Acq: 29 Dec 2019 00:40

Instrument :

BNA_N

ClientSampleId :

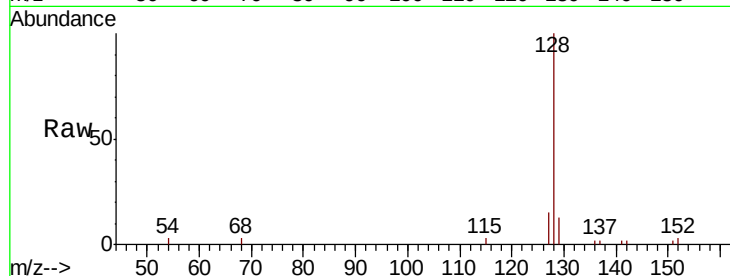
Tot Ion:128 Resp: 5405

Ion Ratio Lower Upper

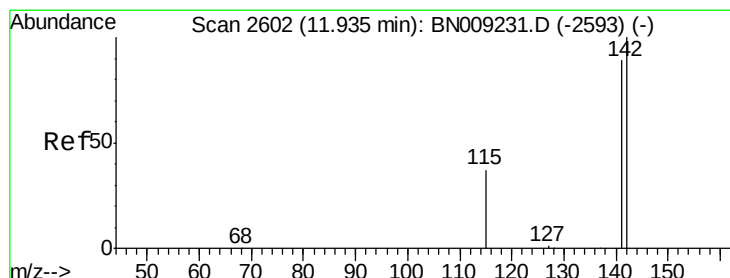
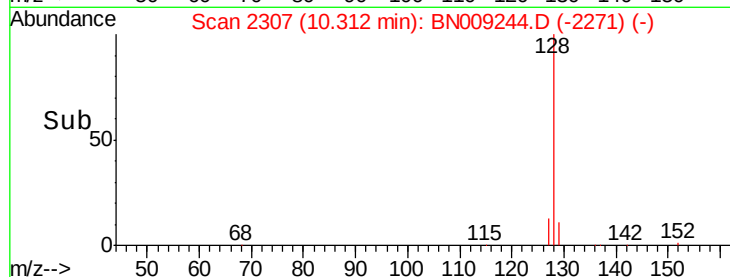
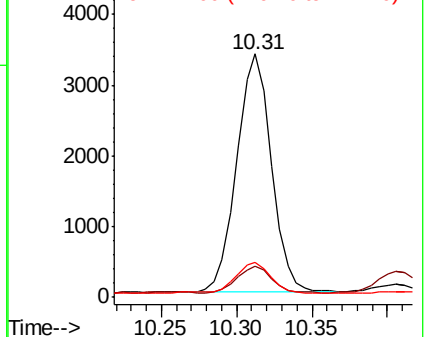
128 100

129 12.8 9.0 13.4

127 14.6 10.9 16.3



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: 0.184 ng/ul

RT: 11.93 min Scan# 2602

Delta R.T. -0.00 min

Lab File: BN009244.D

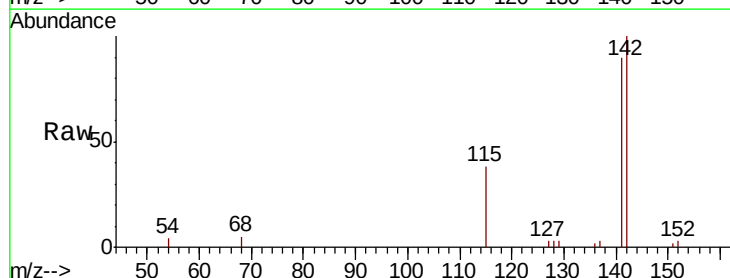
Acq: 29 Dec 2019 00:40

Tgt Ion:142 Resp: 4066

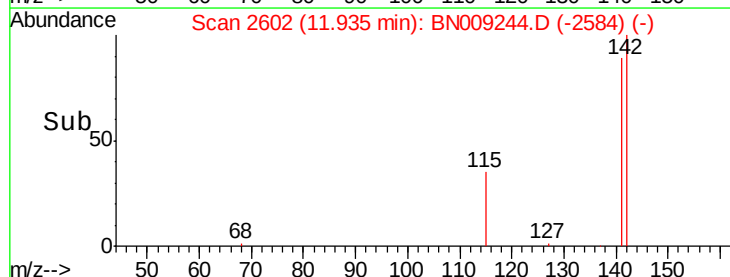
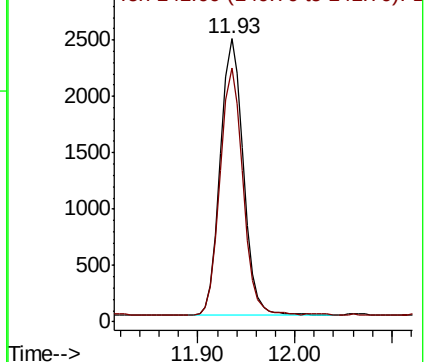
Ion Ratio Lower Upper

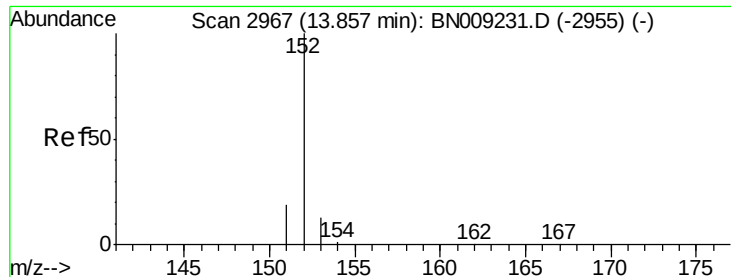
142 100

141 88.0 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.228 ng/ul

RT: 13.86 min Scan# 2967

Delta R.T. -0.00 min

Lab File: BN009244.D

Acq: 29 Dec 2019 00:40

Instrument :

BNA_N

ClientSampleId :

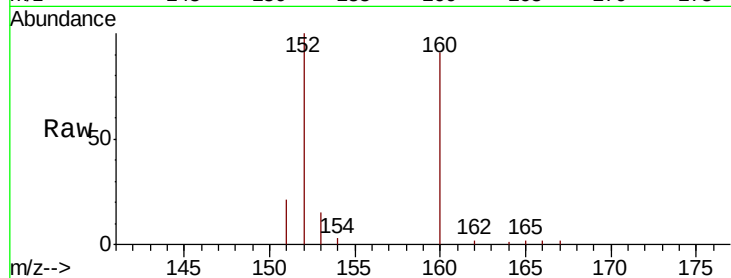
Tot Ion:152 Resp: 6105

Ion Ratio Lower Upper

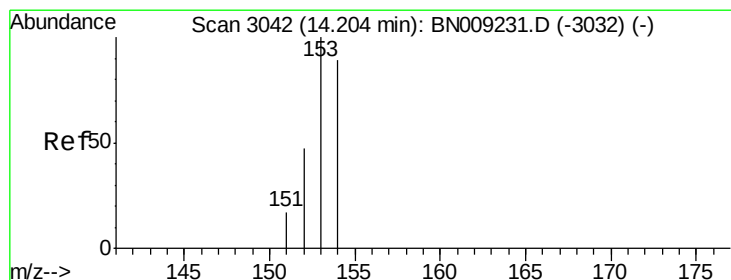
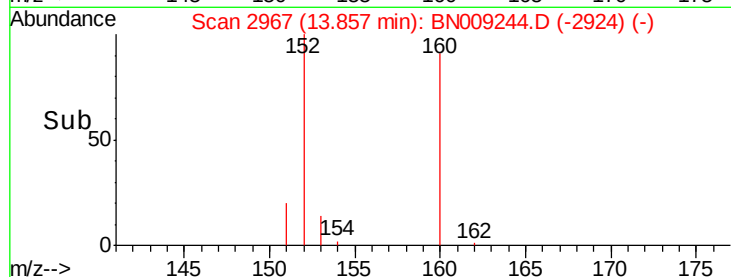
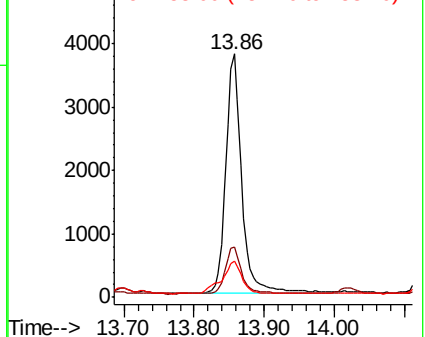
152 100

151 20.9 15.7 23.5

153 15.0 10.8 16.2



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: 0.077 ng/ul

RT: 14.20 min Scan# 3042

Delta R.T. -0.00 min

Lab File: BN009244.D

Acq: 29 Dec 2019 00:40

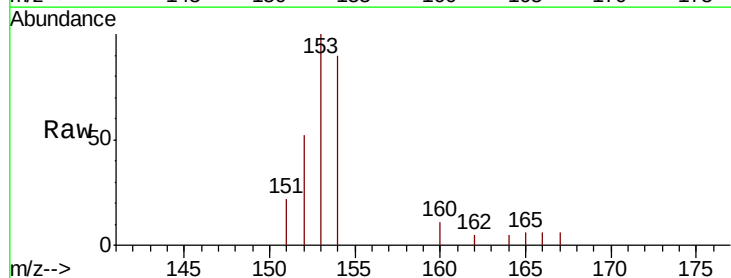
Tgt Ion:153 Resp: 1618

Ion Ratio Lower Upper

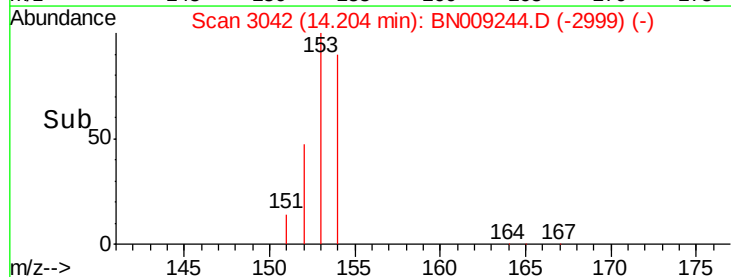
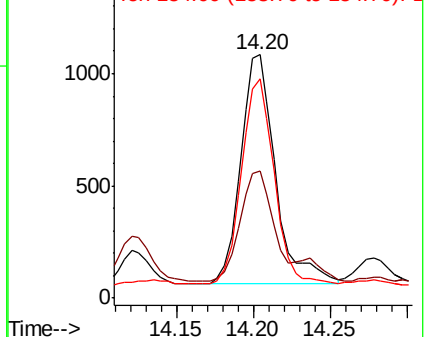
153 100

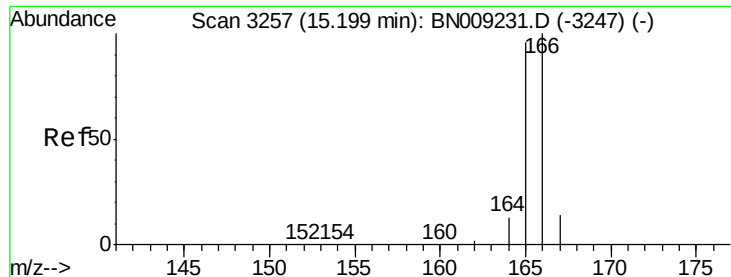
152 52.1 39.5 59.3

154 90.0 71.3 106.9



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: 0.110 ng/ul

RT: 15.19 min Scan# 3256

Delta R.T. -0.00 min

Lab File: BN009244.D

Acq: 29 Dec 2019 00:40

Instrument :

BNA_N

ClientSampleId :

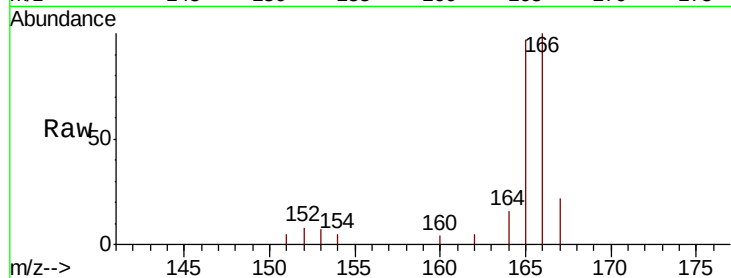
Tot Ion:166 Resp: 2722

Ion Ratio Lower Upper

166 100

165 97.5 78.2 117.4

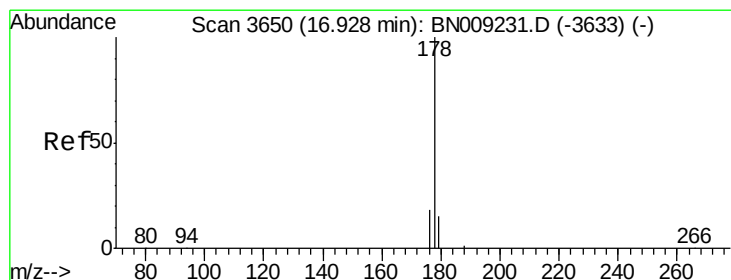
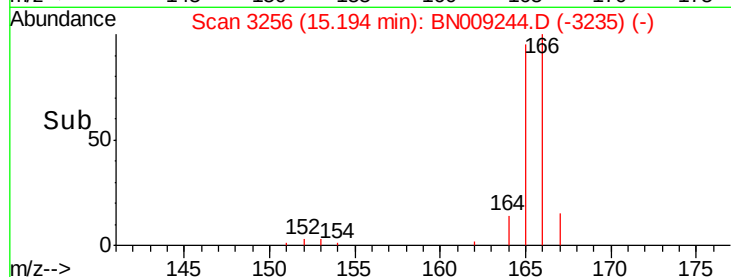
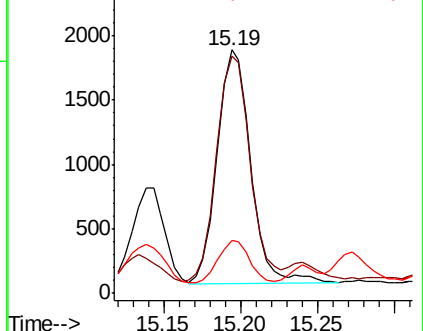
167 22.0 11.0 16.6#



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: 1.809 ng/ul

RT: 16.93 min Scan# 3650

Delta R.T. -0.00 min

Lab File: BN009244.D

Acq: 29 Dec 2019 00:40

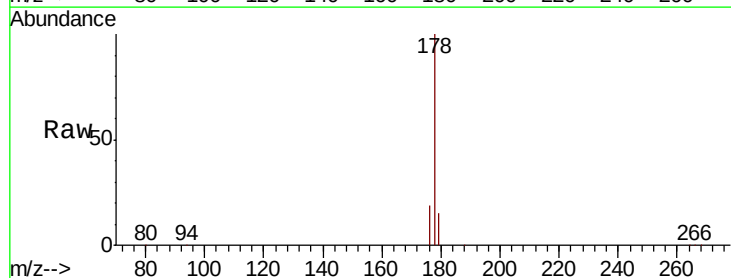
Tgt Ion:178 Resp: 63019

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

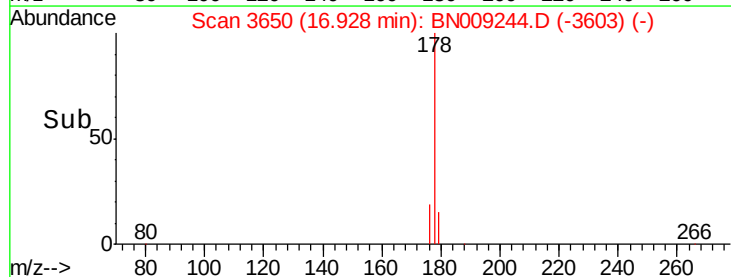
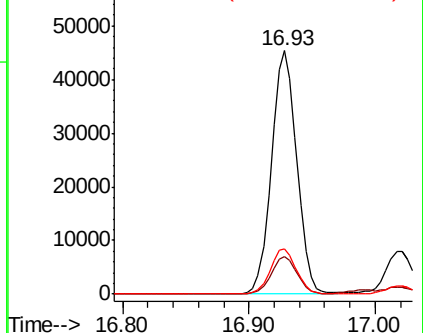
176 18.7 15.1 22.7

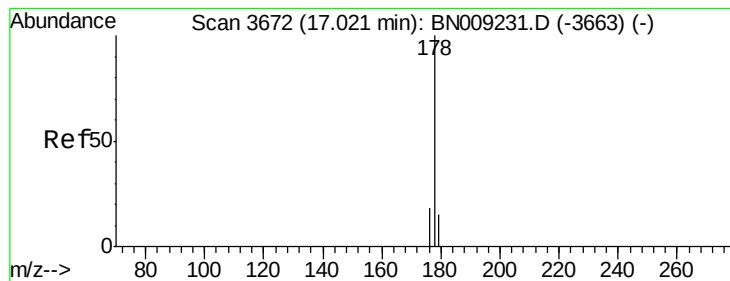


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.361 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN009244.D

Acq: 29 Dec 2019 00:40

Instrument :

BNA_N

ClientSampleId :

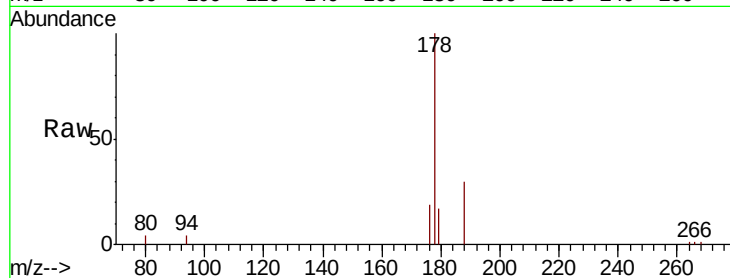
Tot Ion:178 Resp: 11268

Ion Ratio Lower Upper

178 100

179 17.0 12.5 18.7

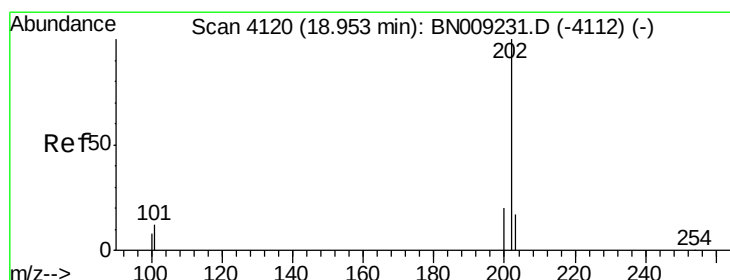
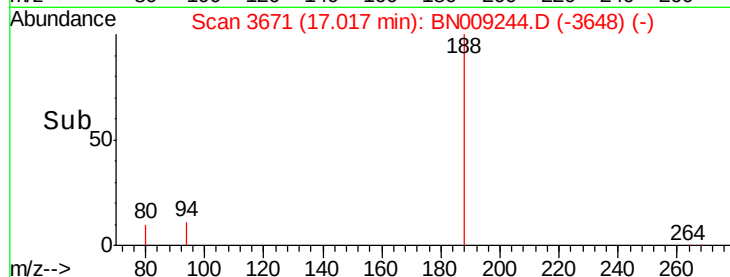
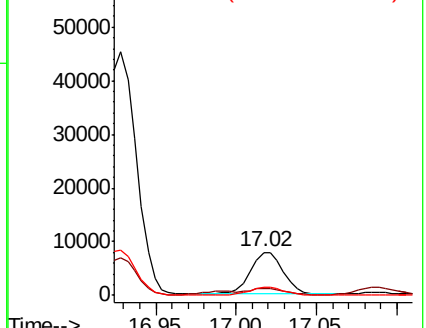
176 19.2 14.9 22.3



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: 4.322 ng/ul

RT: 18.95 min Scan# 4120

Delta R.T. -0.00 min

Lab File: BN009244.D

Acq: 29 Dec 2019 00:40

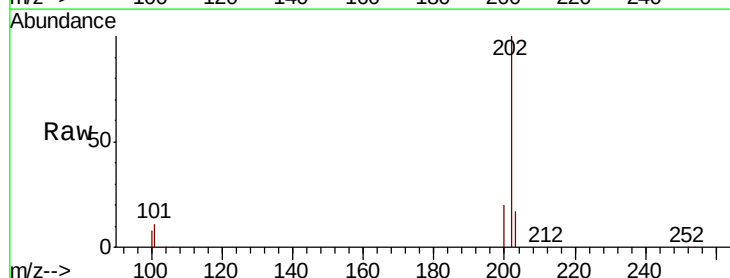
Tgt Ion:202 Resp: 172254

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.5

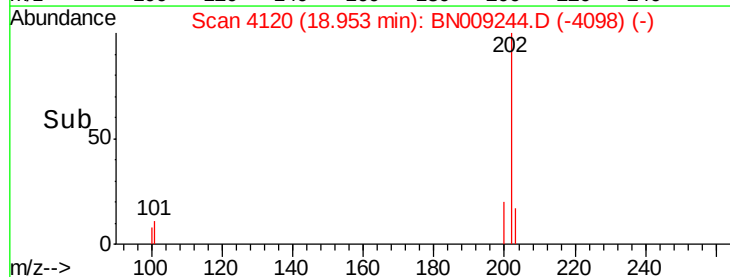
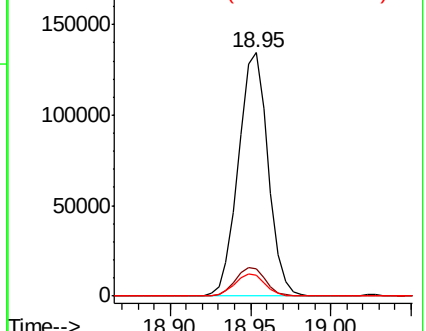
100 8.4 0.0 28.9

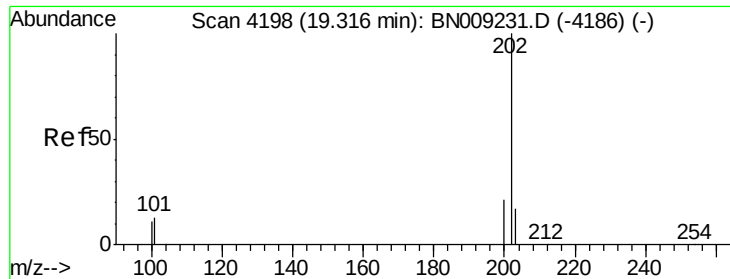


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pvrene

Concen: 3.454 ng/ul

RT: 19.32 min Scan# 4198

Delta R.T. -0.00 min

Lab File: BN009244.D

Acq: 29 Dec 2019 00:40

Instrument :

BNA_N

ClientSampled :

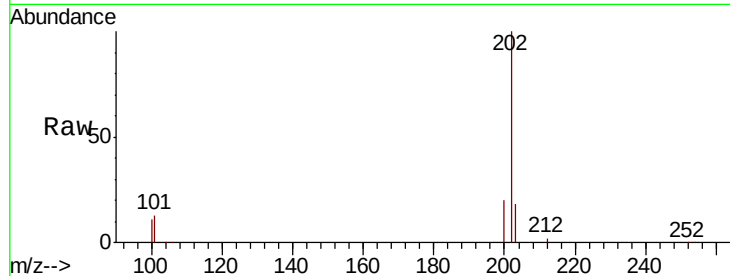
Tot Ion:202 Resp: 137235

Ion Ratio Lower Upper

202 100

101 13.5 10.9 16.3

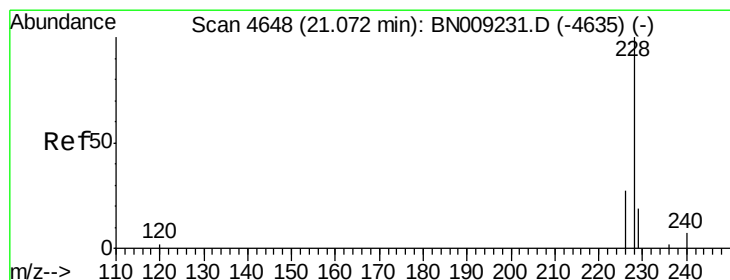
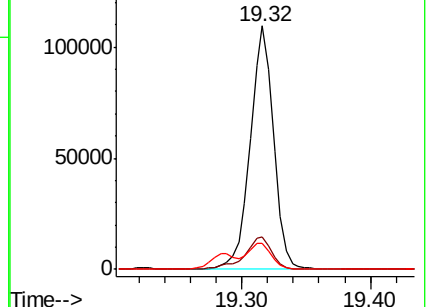
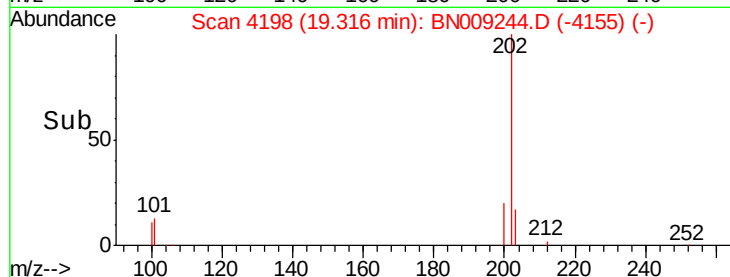
100 10.8 9.0 13.6



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: 1.931 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.00 min

Lab File: BN009244.D

Acq: 29 Dec 2019 00:40

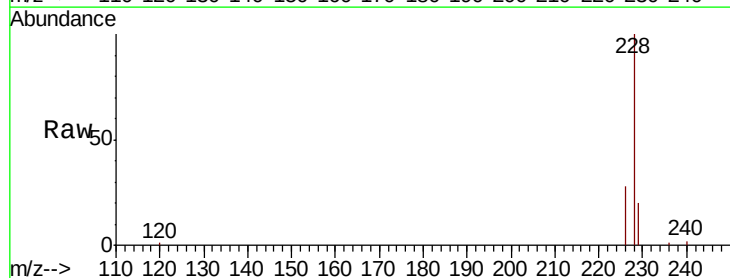
Tgt Ion:228 Resp: 66780

Ion Ratio Lower Upper

228 100

229 20.4 15.5 23.3

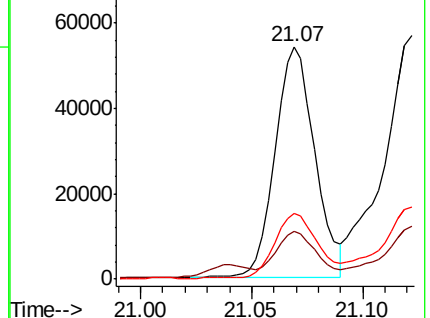
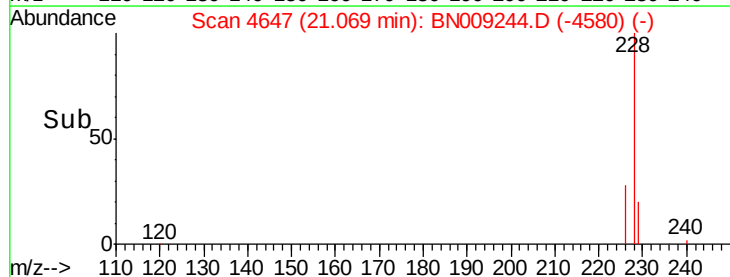
226 28.3 21.7 32.5

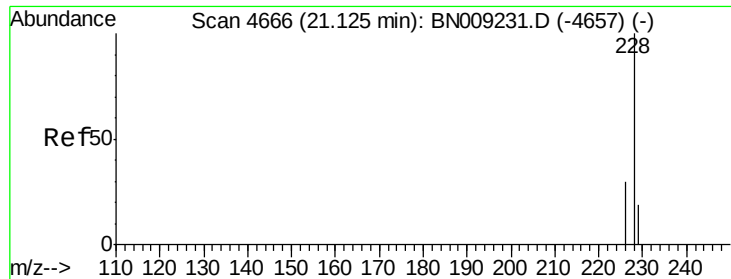


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 2.332 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. -0.00 min

Lab File: BN009244.D

Acq: 29 Dec 2019 00:40

Instrument :

BNA_N

ClientSampleId :

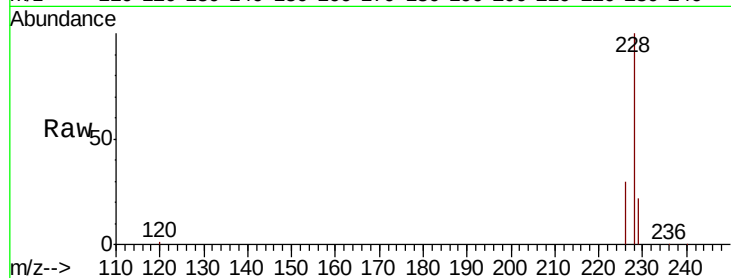
Tot Ion:228 Resp: 81061

Ion Ratio Lower Upper

228 100

226 29.5 23.7 35.5

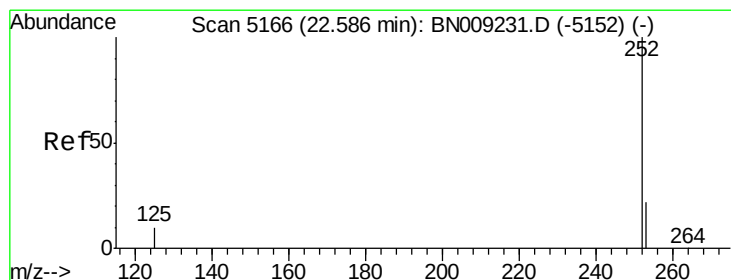
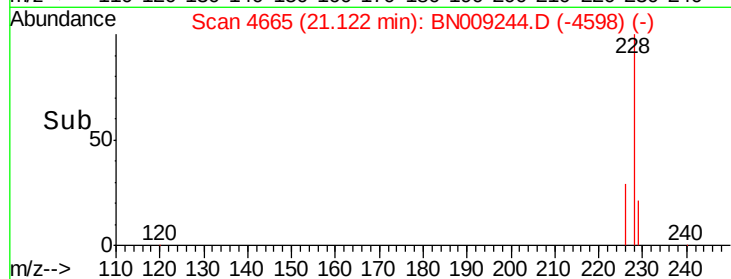
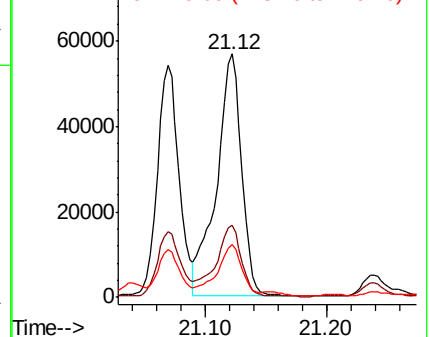
229 21.6 15.4 23.0



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: 3.866 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. -0.00 min

Lab File: BN009244.D

Acq: 29 Dec 2019 00:40

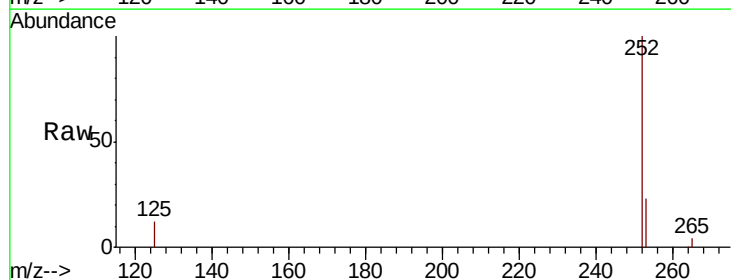
Tgt Ion:252 Resp: 145726

Ion Ratio Lower Upper

252 100

253 22.7 0.0 48.2

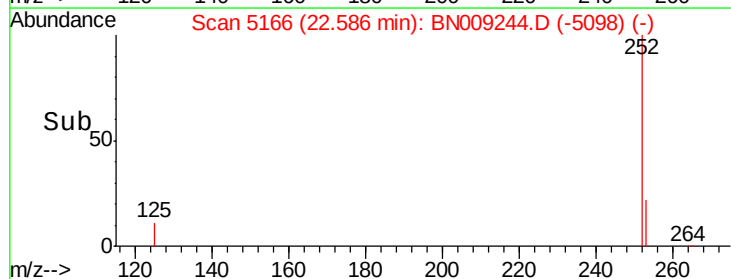
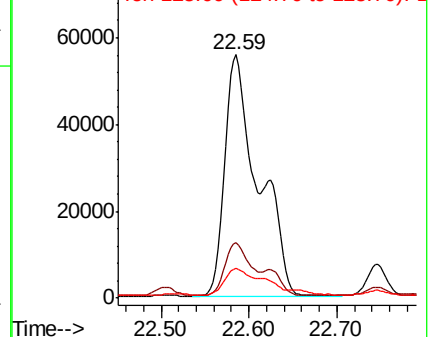
125 12.1 0.0 30.0

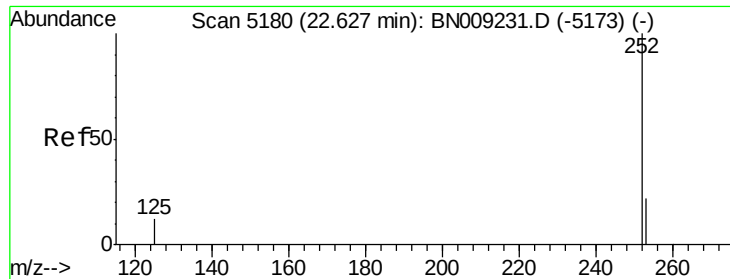


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 3.834 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. -0.04 min

Lab File: BN009244.D

Acq: 29 Dec 2019 00:40

Instrument :

BNA_N

ClientSampleId :

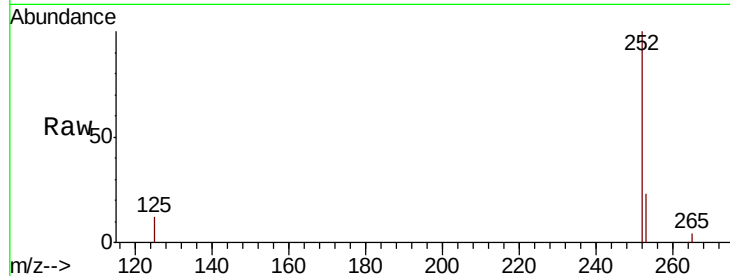
Tot Ion:252 Resp: 145726

Ion Ratio Lower Upper

252 100

253 22.7 19.4 29.0

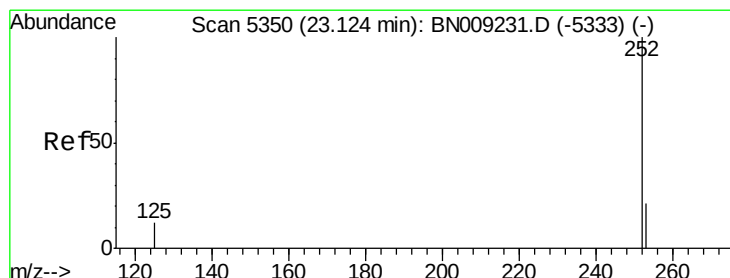
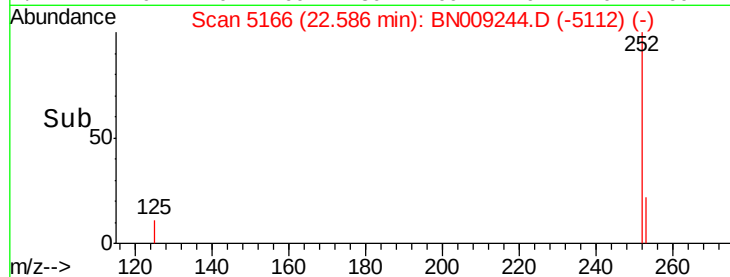
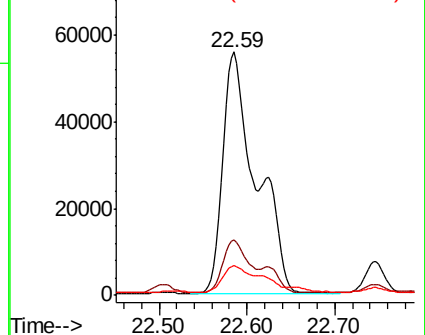
125 12.1 12.4 18.6#



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: 1.037 ng/ul

RT: 23.03 min Scan# 5318

Delta R.T. -0.09 min

Lab File: BN009244.D

Acq: 29 Dec 2019 00:40

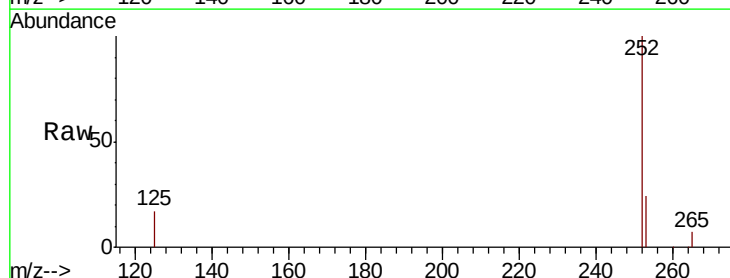
Tgt Ion:252 Resp: 34269

Ion Ratio Lower Upper

252 100

253 23.8 20.2 30.4

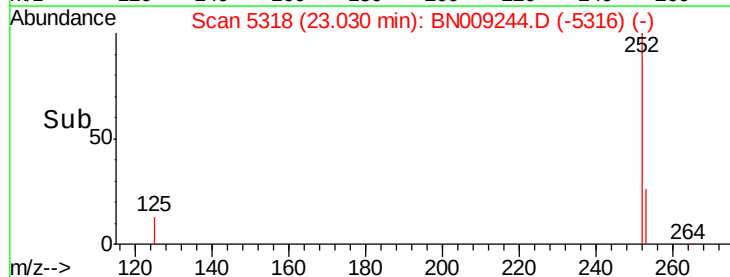
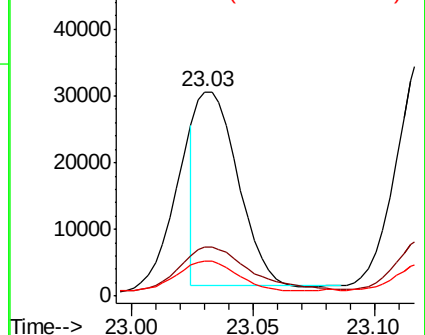
125 17.3 13.2 19.8

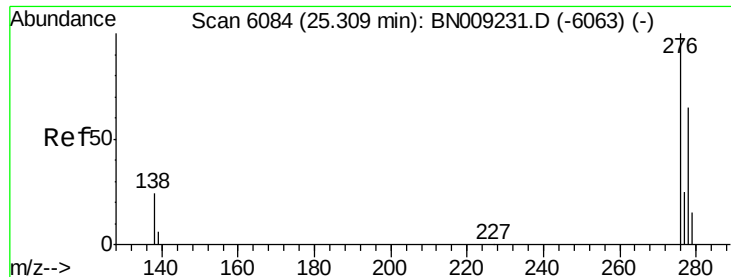


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



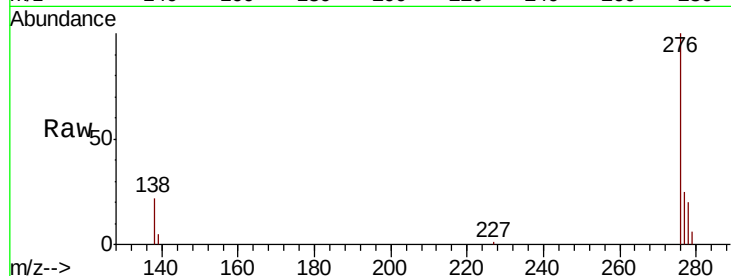


#24

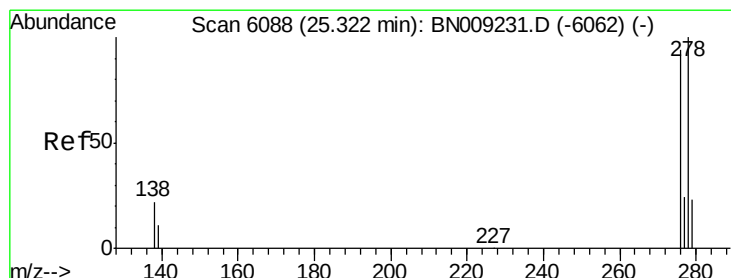
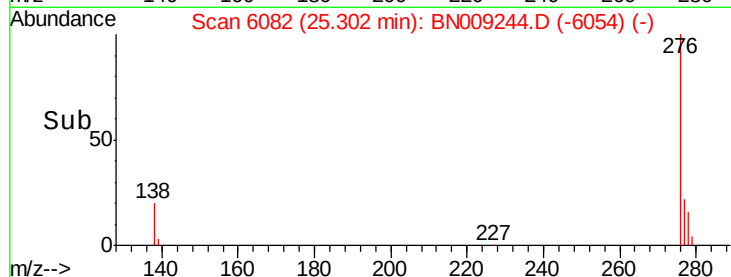
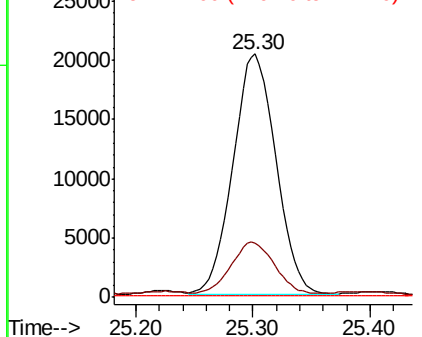
Indeno(1,2,3-cd)pyrene
Concen: 1.429 ng/ul
RT: 25.30 min Scan# 6082
Delta R.T. -0.01 min
Lab File: BN009244.D
Acq: 29 Dec 2019 00:40

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 51396
Ion Ratio Lower Upper
276 100
138 21.5 22.4 33.6#
227 0.3 0.2 0.4



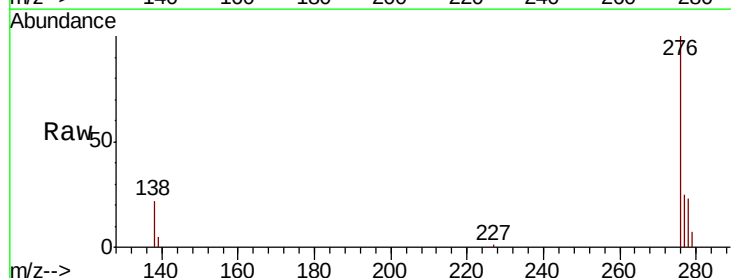
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



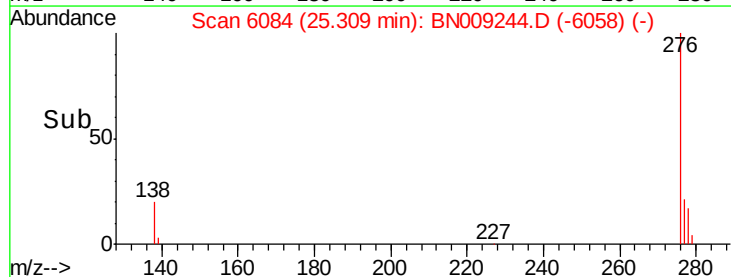
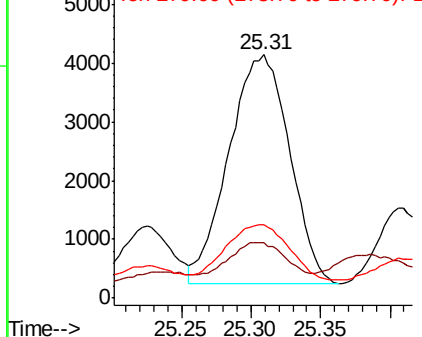
#25

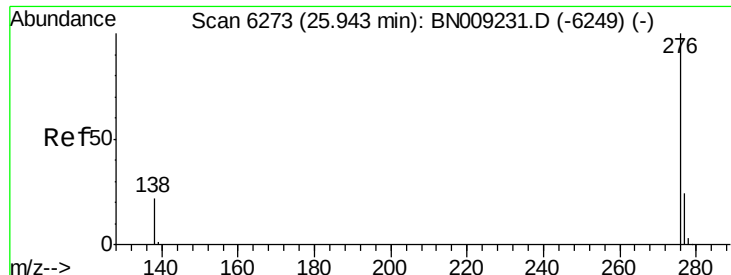
Dibenzo(a,h)anthracene
Concen: 0.414 ng/ul
RT: 25.31 min Scan# 6084
Delta R.T. -0.01 min
Lab File: BN009244.D
Acq: 29 Dec 2019 00:40

Tgt Ion:278 Resp: 11843
Ion Ratio Lower Upper
278 100
139 22.6 16.2 24.2
279 30.2 20.3 30.5



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: 1.699 ng/ul

RT: 25.94 min Scan# 6271

Delta R.T. -0.01 min

Lab File: BN009244.D

Acq: 29 Dec 2019 00:40

Instrument :

BNA_N

ClientSampleId :

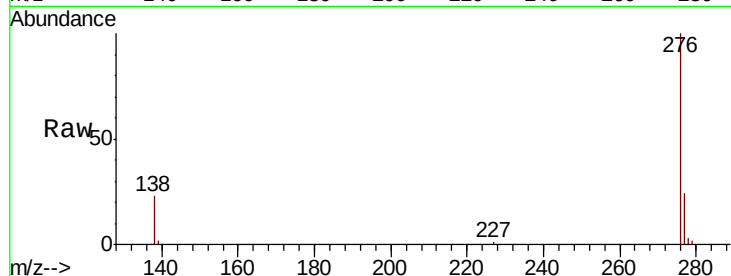
Tot Ion:276 Resp: 51477

Ion Ratio Lower Upper

276 100

138 23.2 20.6 30.8

277 23.9 19.6 29.4



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

