

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009245.D
 Acq On : 29 Dec 2019 01:16
 Operator : JU
 Sample : K6278-20DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 29 05:41:50 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

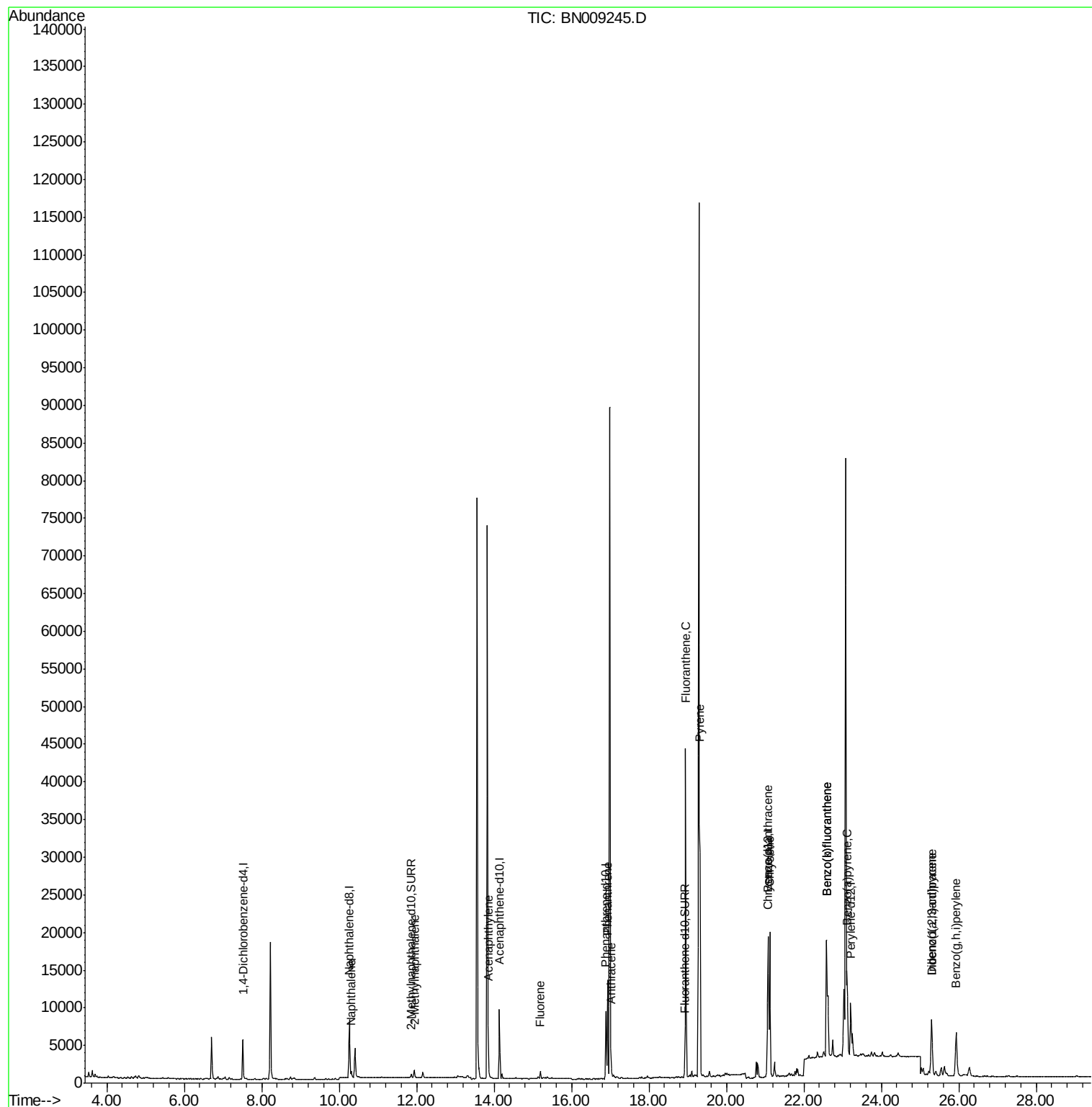
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2599	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	9433	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	4997	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	10102	0.40	ng/ul	0.00
16) Chrysene-d12	21.09	240	8027	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	8159	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	651	0.04	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	1286	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	1151	0.040	ng/ul#	86
5) 2-Methylnaphthalene	11.94	142	838	0.039	ng/ul	99
7) Acenaphthylene	13.86	152	1529	0.058	ng/ul#	90
9) Fluorene	15.19	166	633	0.026	ng/ul#	91
12) Phenanthrene	16.93	178	13575	0.386	ng/ul	99
13) Anthracene	17.02	178	2547	0.081	ng/ul#	93
15) Fluoranthene	18.95	202	37566	0.935	ng/ul	100
17) Pyrene	19.32	202	31343	0.765	ng/ul	99
18) Benzo(a)anthracene	21.07	228	14487	0.406	ng/ul	97
19) Chrysene	21.12	228	18029	0.503	ng/ul	97
21) Benzo(b)fluoranthene	22.59	252	31592	0.829	ng/ul	98
22) Benzo(k)fluoranthene	22.59	252	31584	0.822	ng/ul	99
23) Benzo(a)pyrene	23.12	252	14305	0.428	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.30	276	10850	0.298	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.31	278	2538	0.088	ng/ul#	67
26) Benzo(a,h,i)perylene	25.94	276	10975	0.358	ng/ul	98

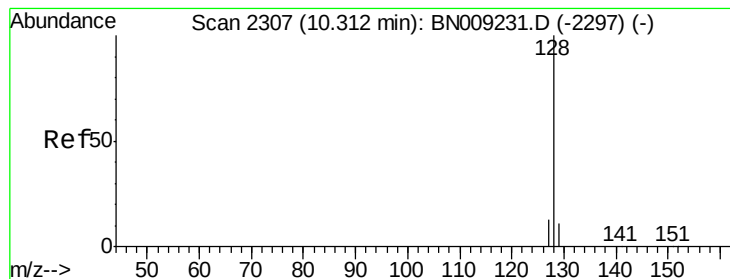
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.040 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BN009245.D

Acq: 29 Dec 2019 01:16

Instrument :

BNA_N

ClientSampled :

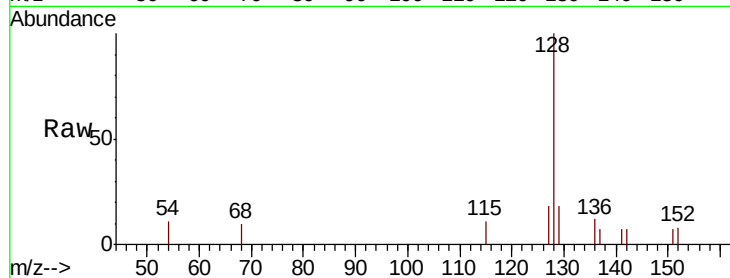
Tot Ion:128 Resp: 1151

Ion Ratio Lower Upper

128 100

129 17.8 9.0 13.4#

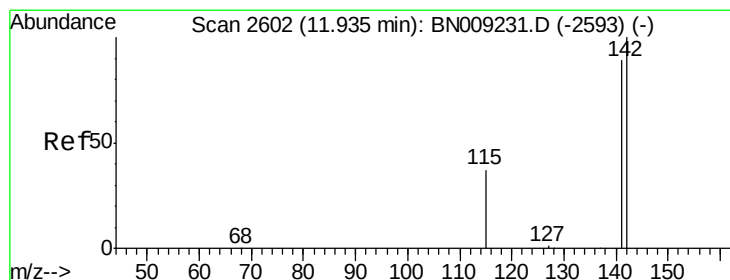
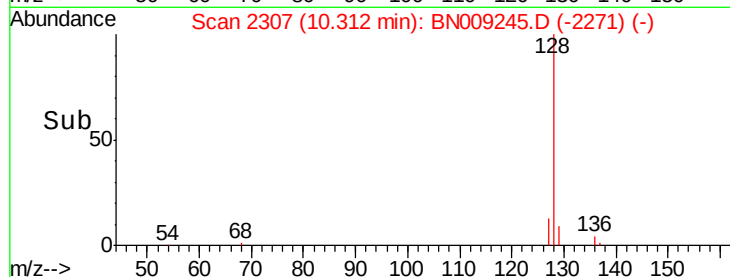
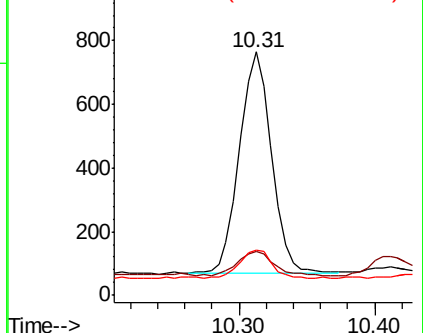
127 18.4 10.9 16.3#



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: 0.039 ng/ul

RT: 11.94 min Scan# 2603

Delta R.T. 0.01 min

Lab File: BN009245.D

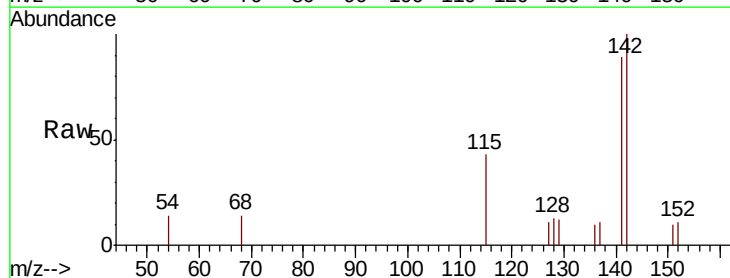
Acq: 29 Dec 2019 01:16

Tgt Ion:142 Resp: 838

Ion Ratio Lower Upper

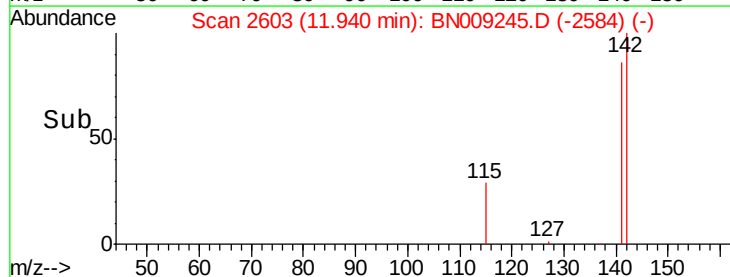
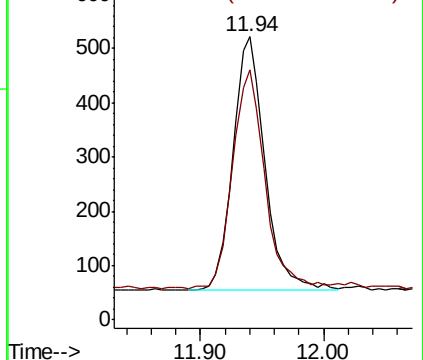
142 100

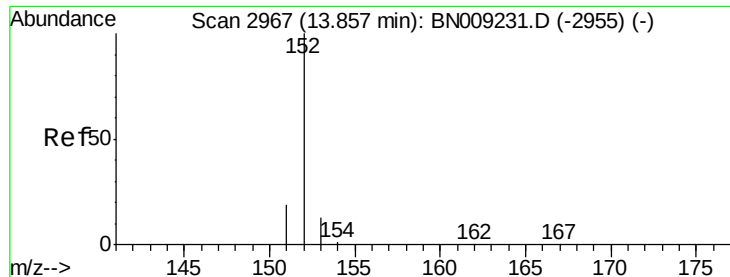
141 89.0 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.058 ng/ul

RT: 13.86 min Scan# 2967

Delta R.T. 0.00 min

Lab File: BN009245.D

Acq: 29 Dec 2019 01:16

Instrument :

BNA_N

ClientSampleId :

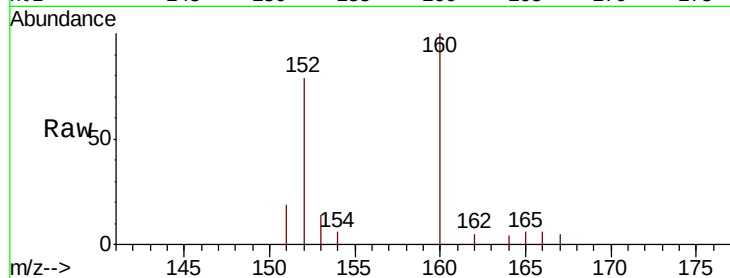
Tot Ion:152 Resp: 1529

Ion Ratio Lower Upper

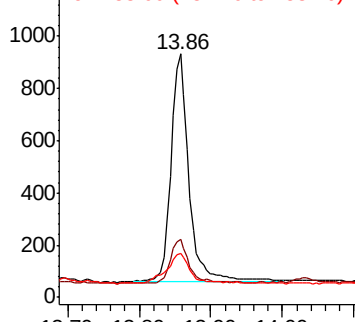
152 100

151 23.9 15.7 23.5#

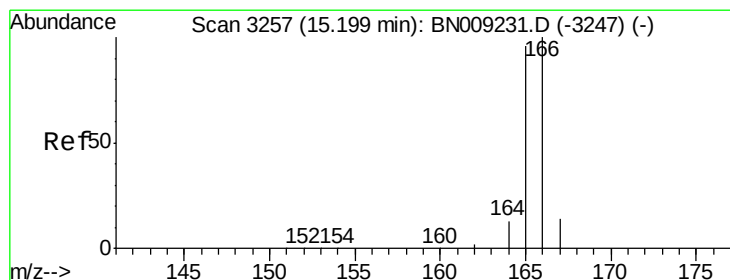
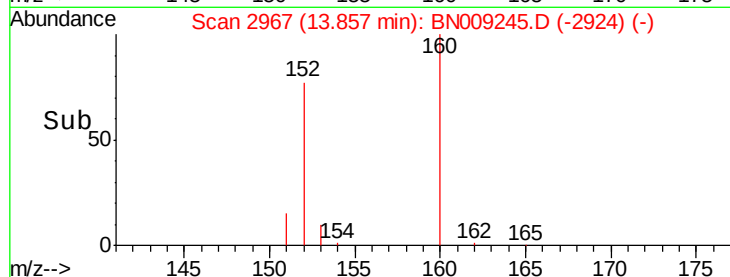
153 18.2 10.8 16.2#



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



Time--> 13.70 13.80 13.90 14.00



#9

Fluorene

Concen: 0.026 ng/ul

RT: 15.19 min Scan# 3256

Delta R.T. -0.00 min

Lab File: BN009245.D

Acq: 29 Dec 2019 01:16

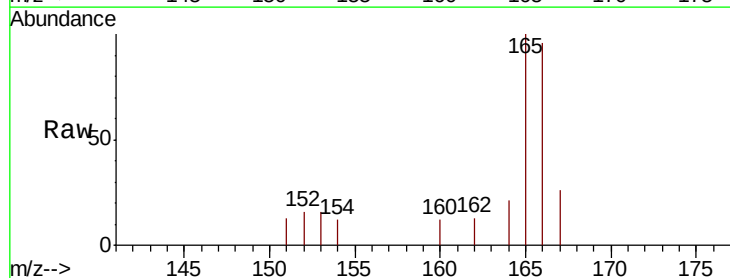
Tgt Ion:166 Resp: 633

Ion Ratio Lower Upper

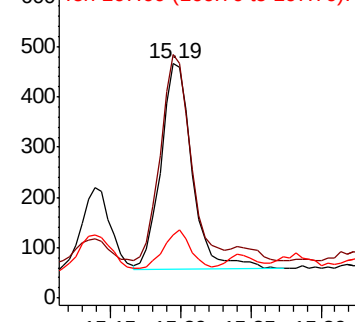
166 100

165 103.9 78.2 117.4

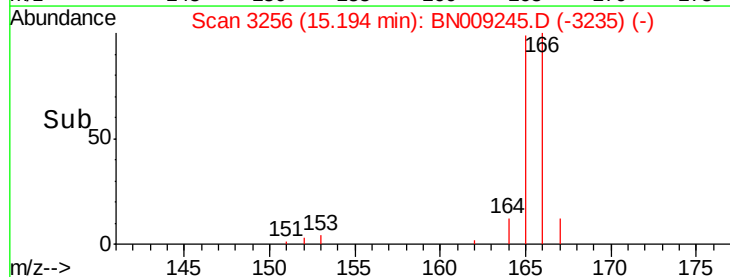
167 26.6 11.0 16.6#

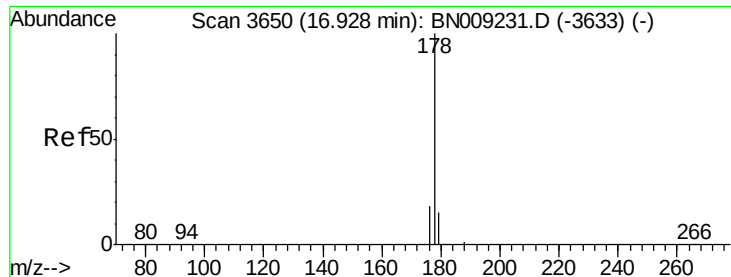


Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



Time--> 15.15 15.20 15.25 15.30





#12

Phenanthrene

Concen: 0.386 ng/ul

RT: 16.93 min Scan# 3650

Delta R.T. 0.00 min

Lab File: BN009245.D

Acq: 29 Dec 2019 01:16

Instrument :

BNA_N

ClientSampleId :

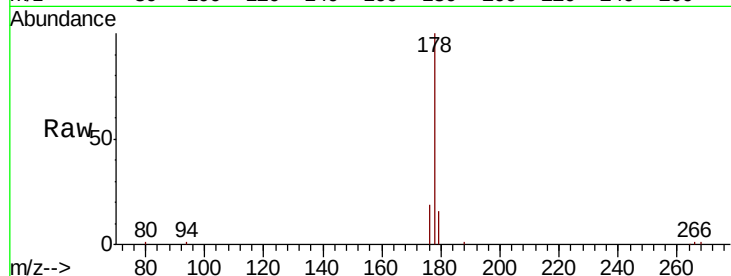
Tot Ion:178 Resp: 13575

Ion Ratio Lower Upper

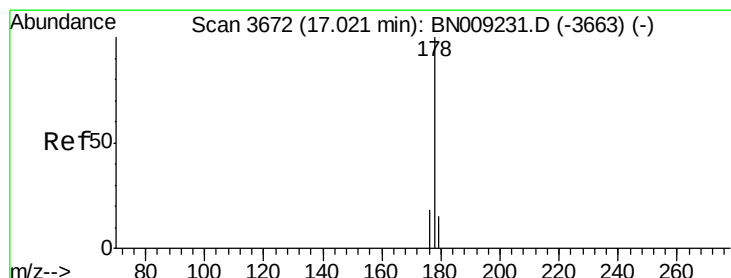
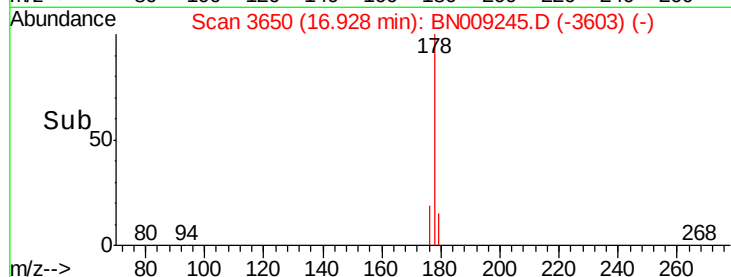
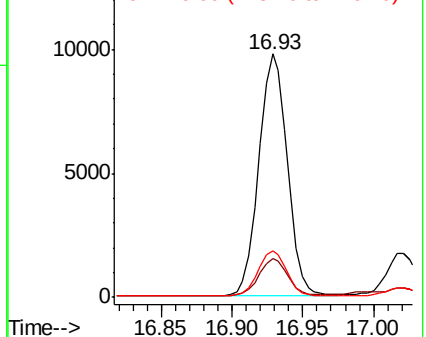
178 100

179 16.0 12.3 18.5

176 19.3 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: 0.081 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BN009245.D

Acq: 29 Dec 2019 01:16

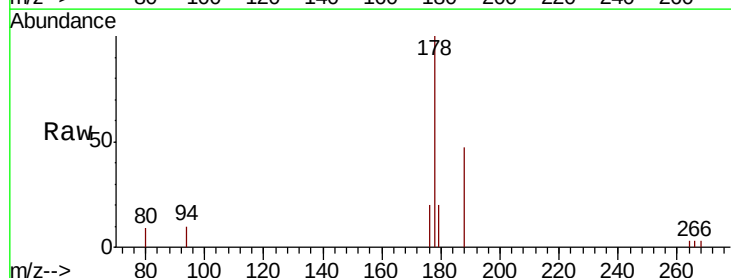
Tgt Ion:178 Resp: 2547

Ion Ratio Lower Upper

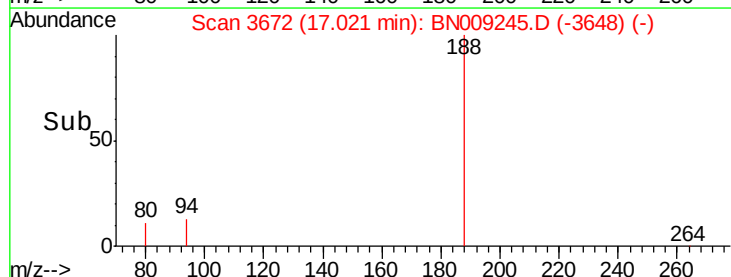
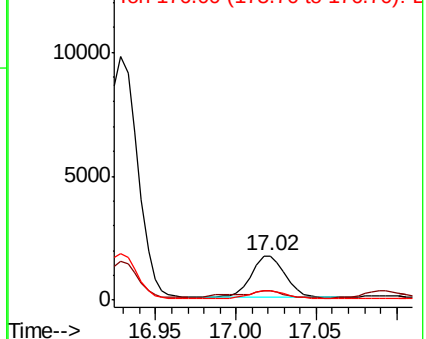
178 100

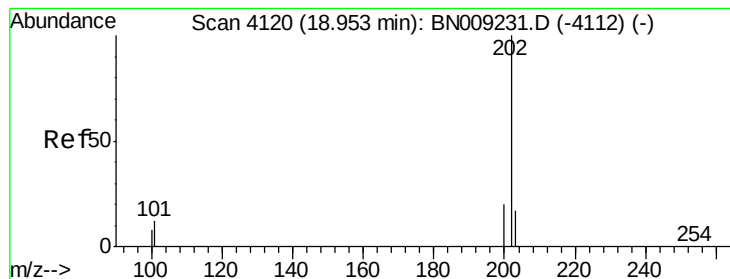
179 20.1 12.5 18.7#

176 20.3 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: 0.935 ng/ul

RT: 18.95 min Scan# 4120

Delta R.T. 0.00 min

Lab File: BN009245.D

Acq: 29 Dec 2019 01:16

Instrument :

BNA_N

ClientSampleId :

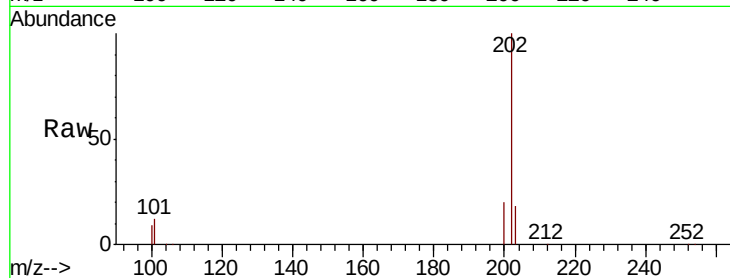
Tot Ion:202 Resp: 37566

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.5

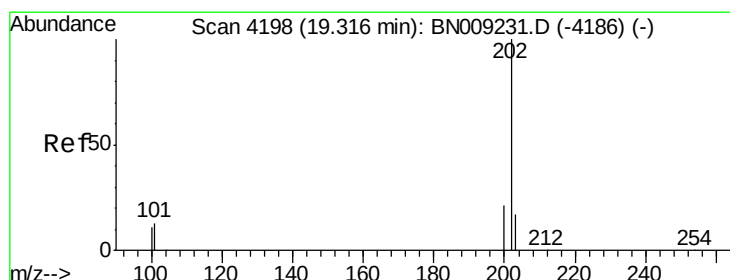
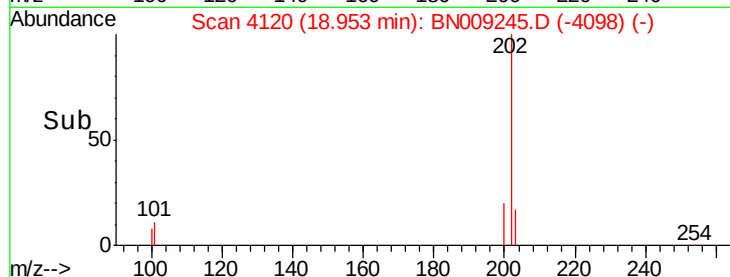
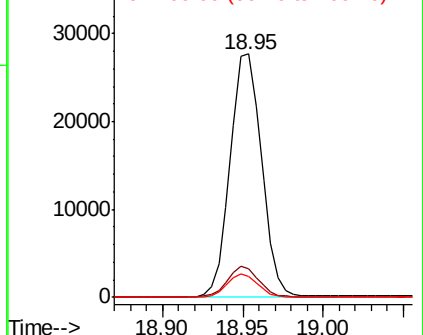
100 8.6 0.0 28.9



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

Pyrene

Concen: 0.765 ng/ul

RT: 19.32 min Scan# 4198

Delta R.T. 0.00 min

Lab File: BN009245.D

Acq: 29 Dec 2019 01:16

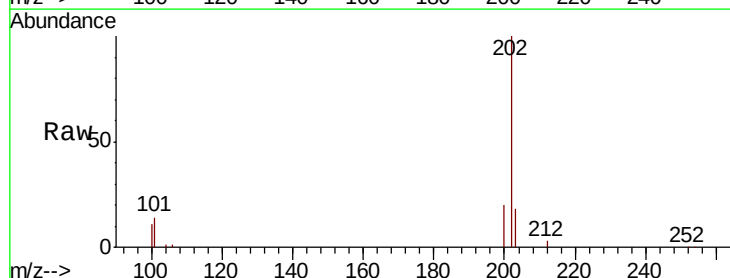
Tgt Ion:202 Resp: 31343

Ion Ratio Lower Upper

202 100

101 13.5 10.9 16.3

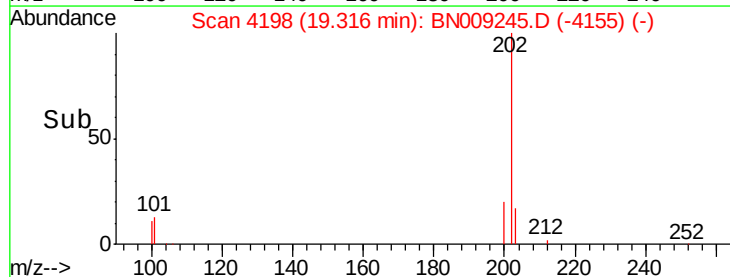
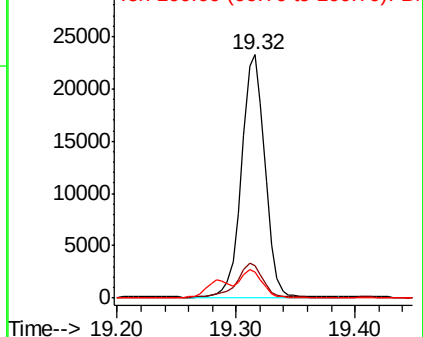
100 10.9 9.0 13.6

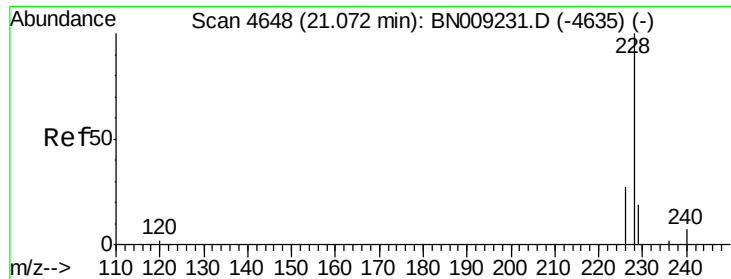


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

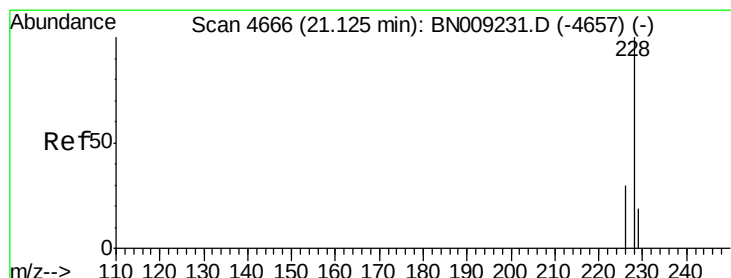
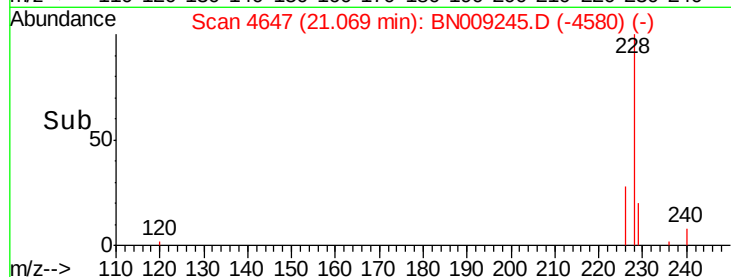
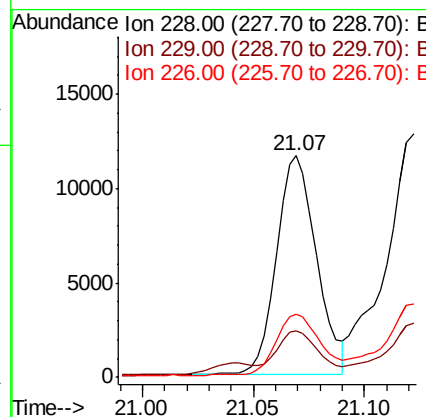
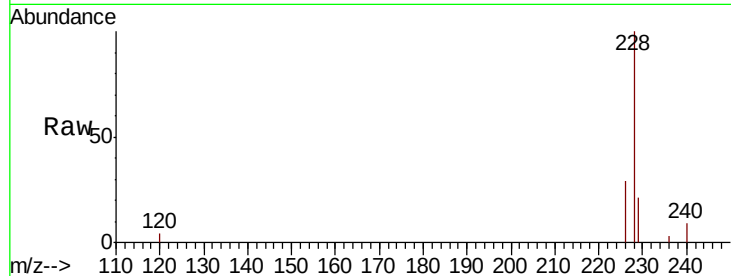




#18
Benzo(a)anthracene
Concen: 0.406 ng/ul
RT: 21.07 min Scan# 4647
Delta R.T. -0.00 min
Lab File: BN009245.D
Acq: 29 Dec 2019 01:16

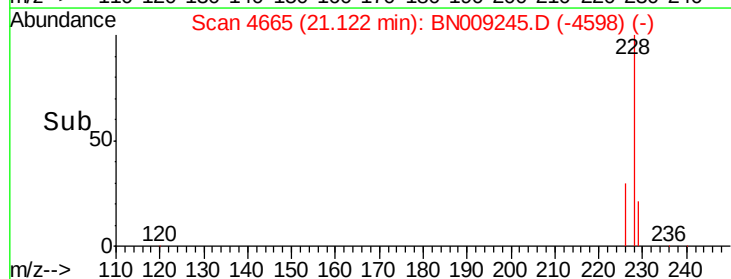
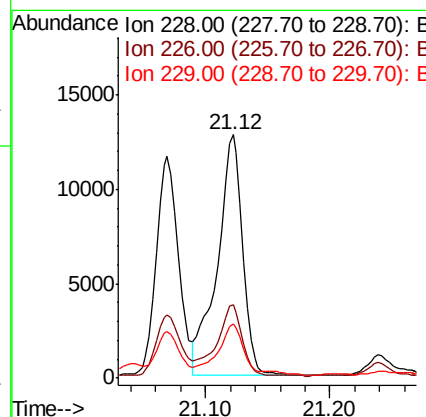
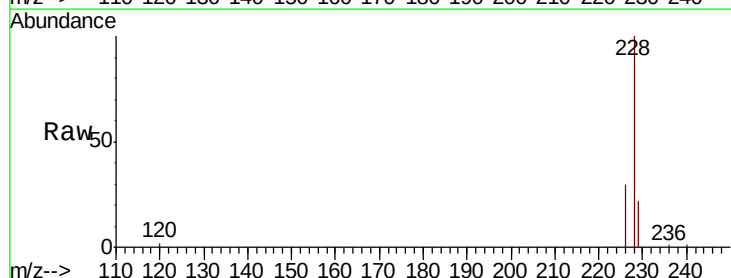
Instrument :
BNA_N
ClientSampleId :

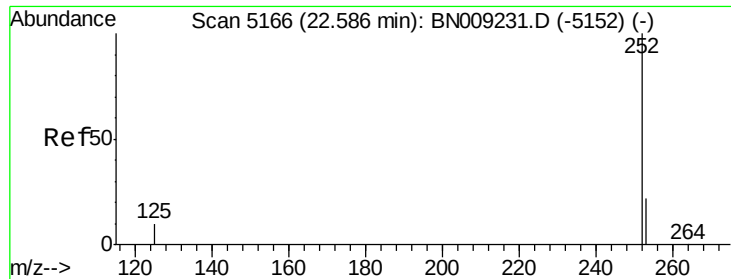
Tot Ion:228 Resp: 14487
Ion Ratio Lower Upper
228 100
229 21.0 15.5 23.3
226 28.5 21.7 32.5



#19
Chrysene
Concen: 0.503 ng/ul
RT: 21.12 min Scan# 4665
Delta R.T. -0.00 min
Lab File: BN009245.D
Acq: 29 Dec 2019 01:16

Tgt Ion:228 Resp: 18029
Ion Ratio Lower Upper
228 100
226 30.2 23.7 35.5
229 22.1 15.4 23.0





#21

Benzo(b)fluoranthene

Concen: 0.829 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. 0.00 min

Lab File: BN009245.D

Acq: 29 Dec 2019 01:16

Instrument :

BNA_N

ClientSampleId :

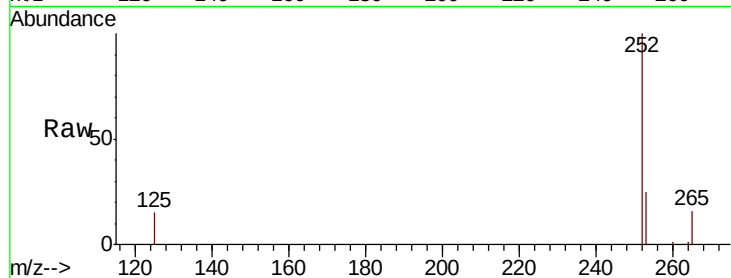
Tot Ion:252 Resp: 31592

Ion Ratio Lower Upper

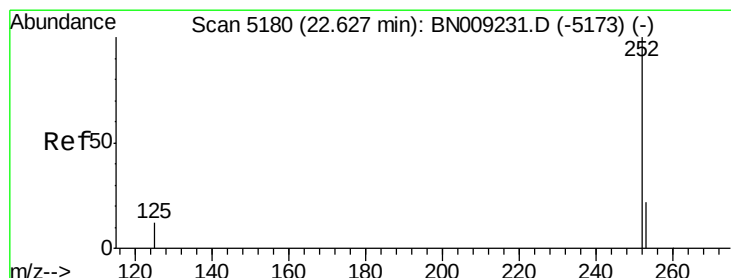
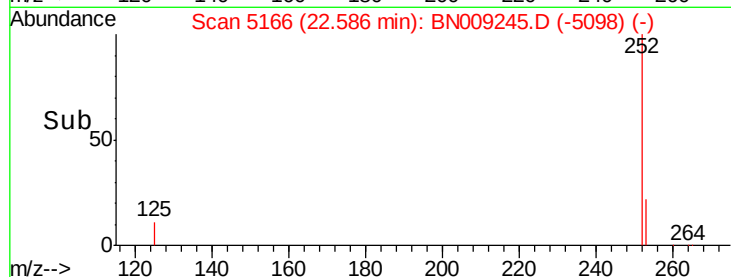
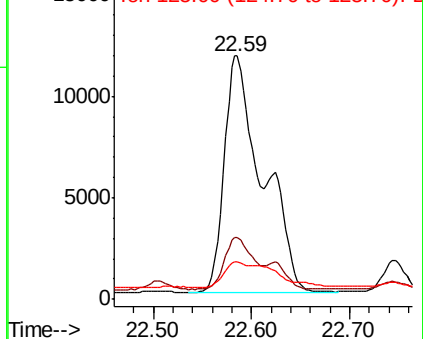
252 100

253 25.3 0.0 48.2

125 15.4 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: 0.822 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. -0.04 min

Lab File: BN009245.D

Acq: 29 Dec 2019 01:16

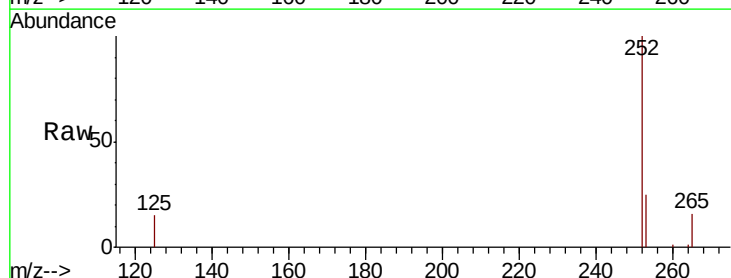
Tgt Ion:252 Resp: 31584

Ion Ratio Lower Upper

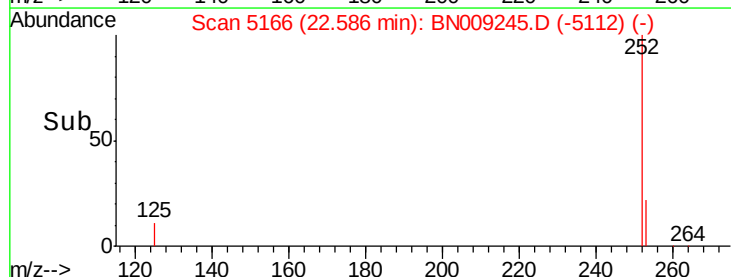
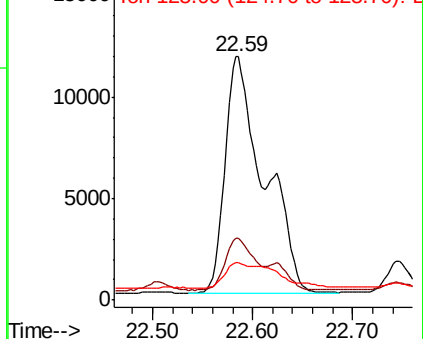
252 100

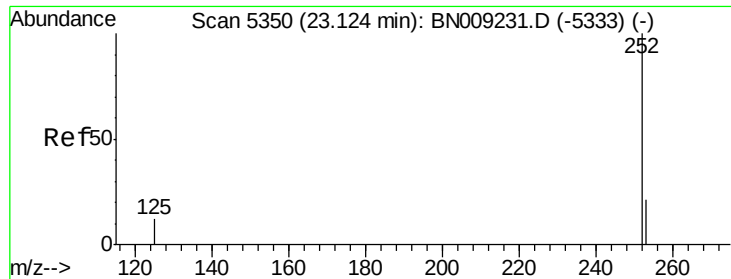
253 25.3 19.4 29.0

125 15.4 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: 0.428 ng/ul

RT: 23.12 min Scan# 5348

Delta R.T. -0.01 min

Lab File: BN009245.D

Acq: 29 Dec 2019 01:16

Instrument :

BNA_N

ClientSampleId :

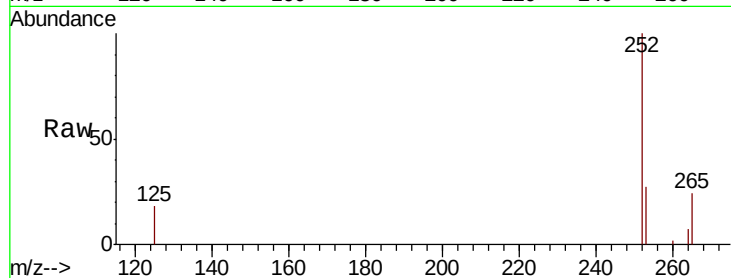
Tot Ion:252 Resp: 14305

Ion Ratio Lower Upper

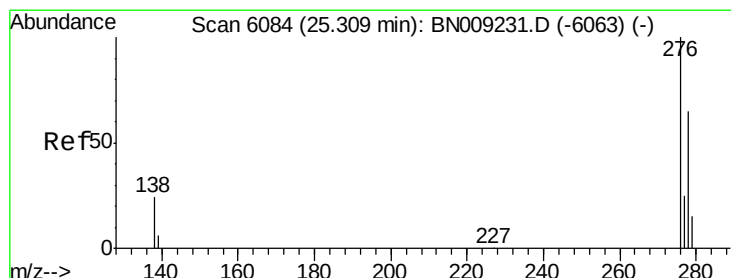
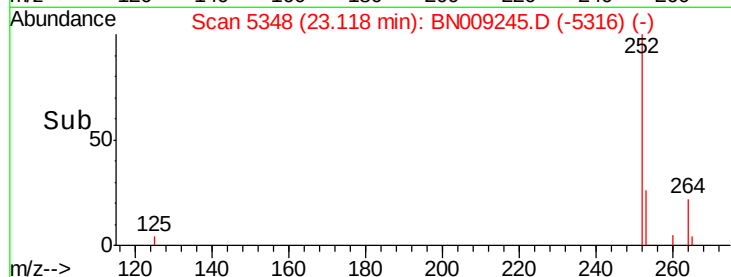
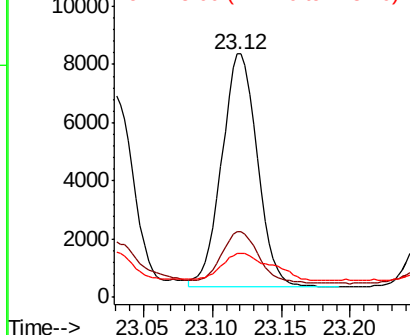
252 100

253 27.2 20.2 30.4

125 18.3 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: 0.298 ng/ul

RT: 25.30 min Scan# 6081

Delta R.T. -0.01 min

Lab File: BN009245.D

Acq: 29 Dec 2019 01:16

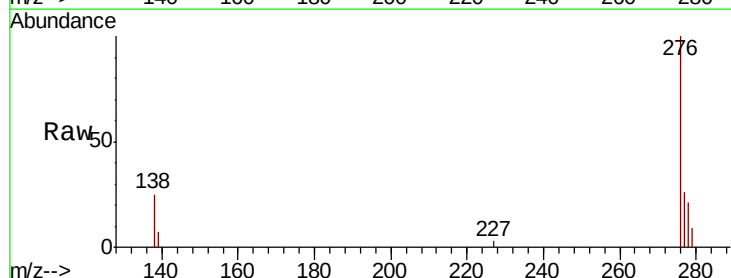
Tgt Ion:276 Resp: 10850

Ion Ratio Lower Upper

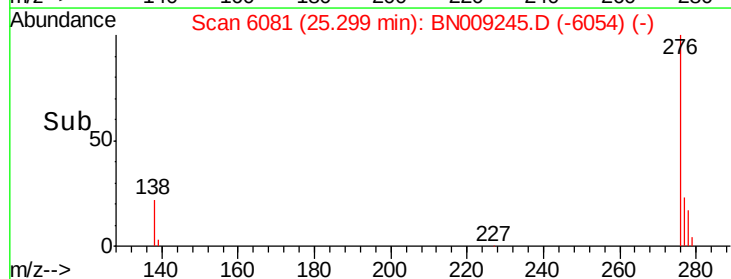
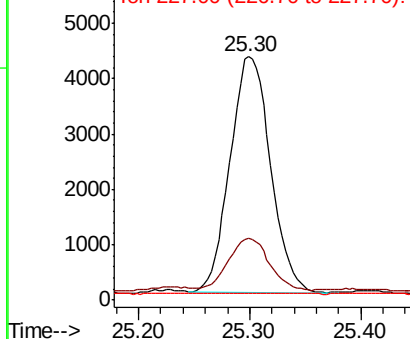
276 100

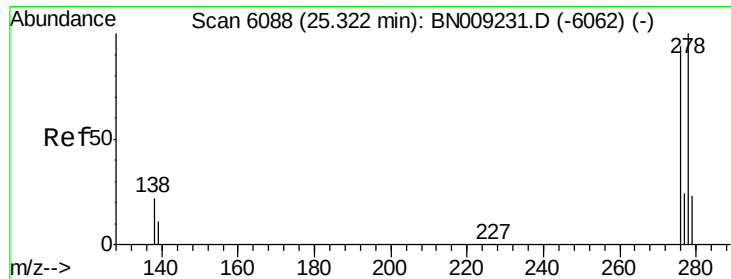
138 22.0 22.4 33.6#

227 0.1 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

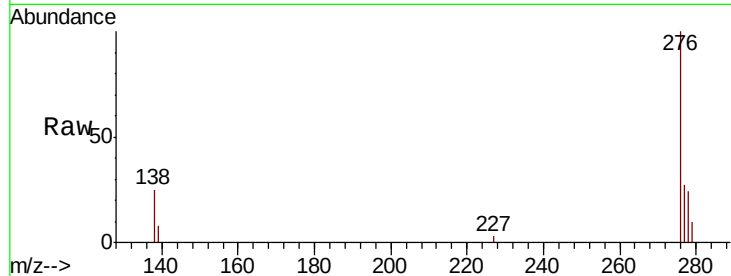




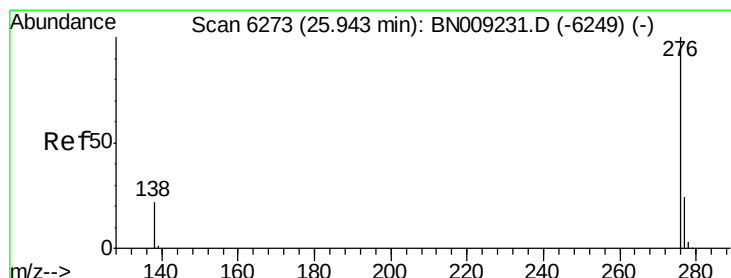
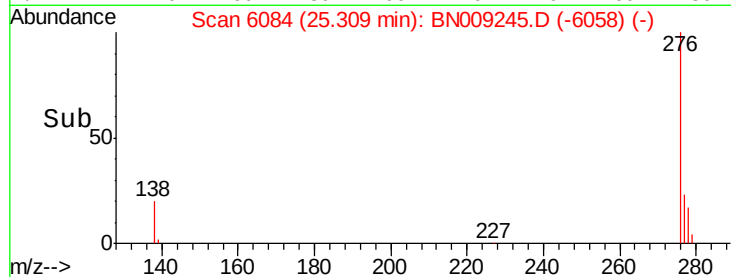
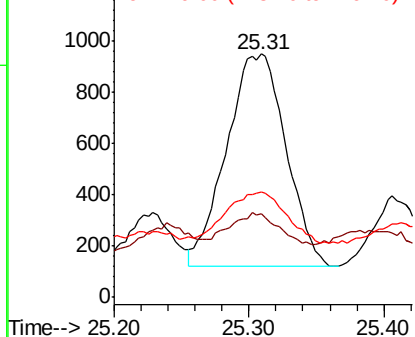
#25
Dibenzo(a,h)anthracene
Concen: 0.088 ng/ul
RT: 25.31 min Scan# 6084
Delta R.T. -0.01 min
Lab File: BN009245.D
Acq: 29 Dec 2019 01:16

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 2538
Ion Ratio Lower Upper
278 100
139 34.2 16.2 24.2#
279 43.1 20.3 30.5#

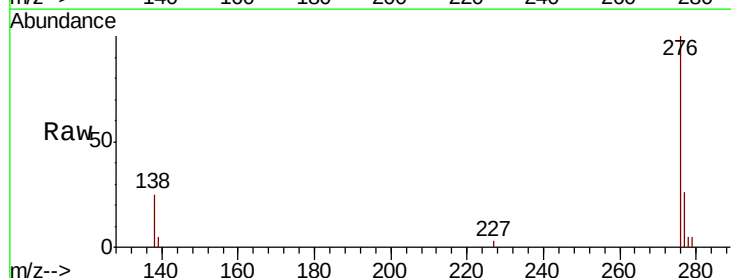


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.358 ng/ul
RT: 25.94 min Scan# 6271
Delta R.T. -0.01 min
Lab File: BN009245.D
Acq: 29 Dec 2019 01:16

Tgt Ion:276 Resp: 10975
Ion Ratio Lower Upper
276 100
138 25.0 20.6 30.8
277 25.6 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

