

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009232.D
 Acq On : 28 Dec 2019 17:29
 Operator : JU
 Sample : K6278-18
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0C71

Quant Time: Dec 29 04:43:17 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

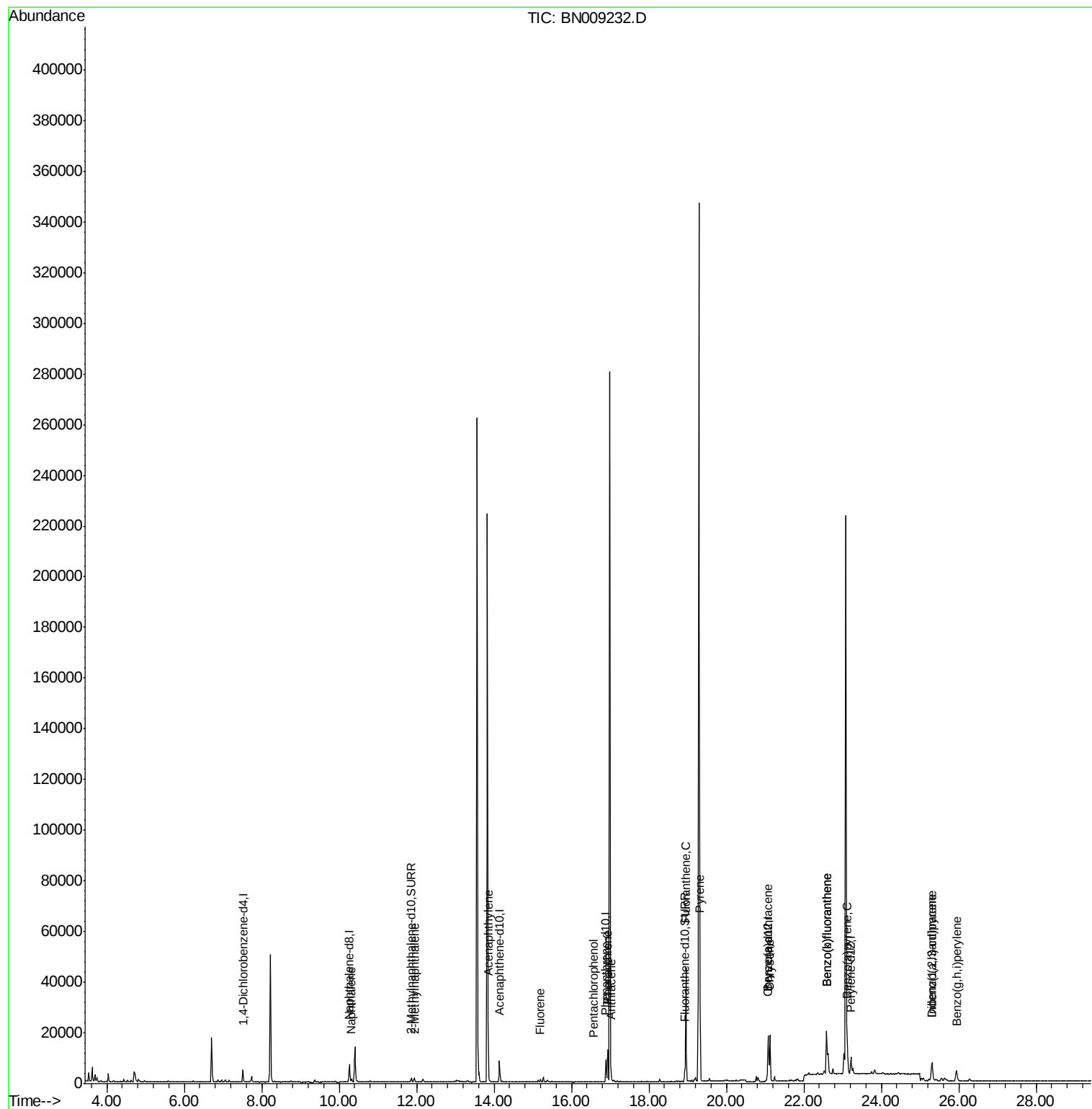
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2254	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	8288	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	4660	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	9649	0.40	ng/ul	0.00
16) Chrysene-d12	21.09	240	7566	0.40	ng/ul	0.00
20) Perylene-d12	23.22	264	7702	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	2001	0.14	ng/ul	0.00
14) Fluoranthene-d10	18.93	212	4238	0.15	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.31	128	1302	0.052	ng/ul#	87
5) 2-Methylnaphthalene	11.94	142	1105	0.058	ng/ul	99
7) Acenaphthylene	13.86	152	1177	0.048	ng/ul#	61
9) Fluorene	15.20	166	611	0.027	ng/ul#	89
11) Pentachlorophenol	16.56	266	79	0.031	ng/ul	92
12) Phenanthrene	16.93	178	13108	0.391	ng/ul	99
13) Anthracene	17.02	178	2312	0.077	ng/ul#	92
15) Fluoranthene	18.95	202	36855	0.960	ng/ul	100
17) Pyrene	19.32	202	27964	0.724	ng/ul	99
18) Benzo(a)anthracene	21.07	228	14099	0.420	ng/ul	96
19) Chrysene	21.12	228	18021	0.534	ng/ul	97
21) Benzo(b)fluoranthene	22.59	252	32221	0.896	ng/ul	97
22) Benzo(k)fluoranthene	22.59	252	32190	0.888	ng/ul	98
23) Benzo(a)pyrene	23.12	252	12590	0.399	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.31	276	10567	0.308	ng/ul#	85
25) Dibenzo(a,h)anthracene	25.32	278	2962	0.108	ng/ul#	67
26) Benzo(a,h,i)perylene	25.94	276	7952	0.275	ng/ul	95

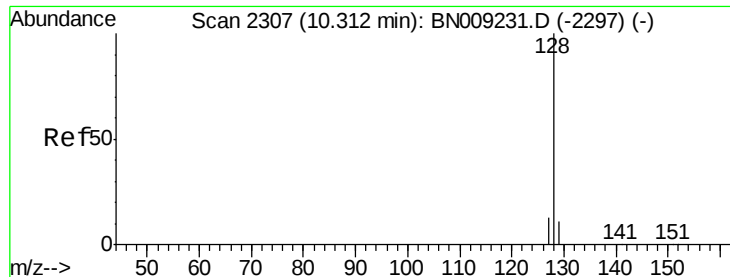
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.052 ng/ul

RT: 10.31 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BN009232.D

Acq: 28 Dec 2019 17:29

Instrument :

BNA_N

ClientSampleId :

C0C71

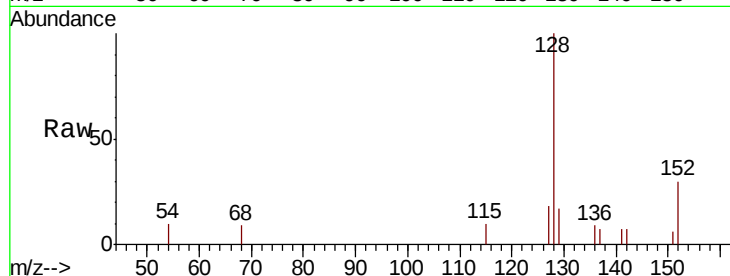
Tot Ion:128 Resp: 1302

Ion Ratio Lower Upper

128 100

129 17.3 9.0 13.4#

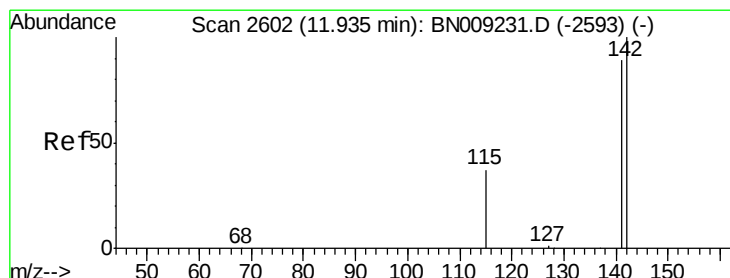
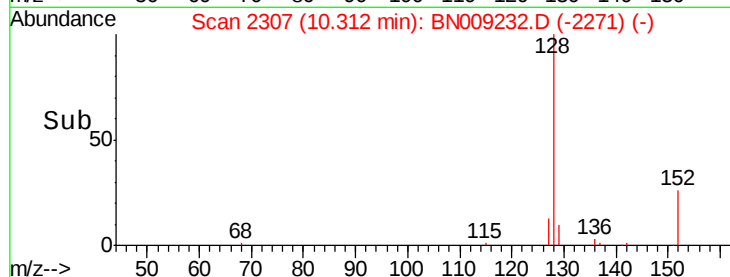
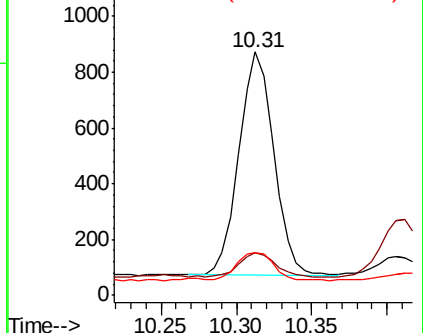
127 17.8 10.9 16.3#



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: 0.058 ng/ul

RT: 11.94 min Scan# 2603

Delta R.T. 0.01 min

Lab File: BN009232.D

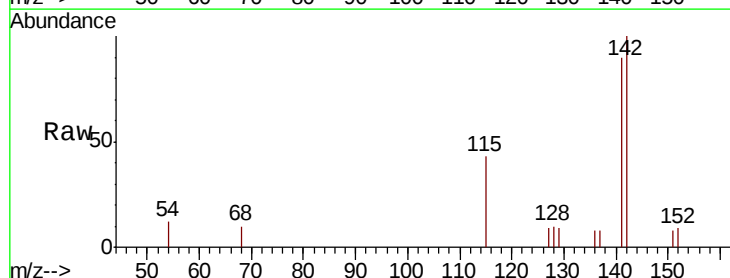
Acq: 28 Dec 2019 17:29

Tgt Ion:142 Resp: 1105

Ion Ratio Lower Upper

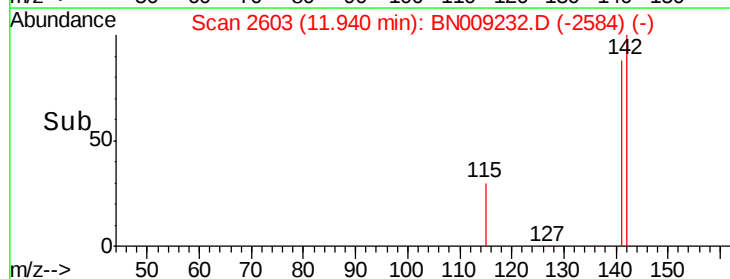
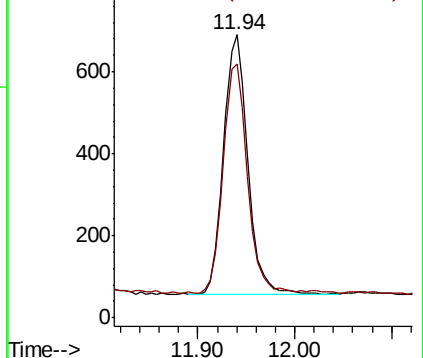
142 100

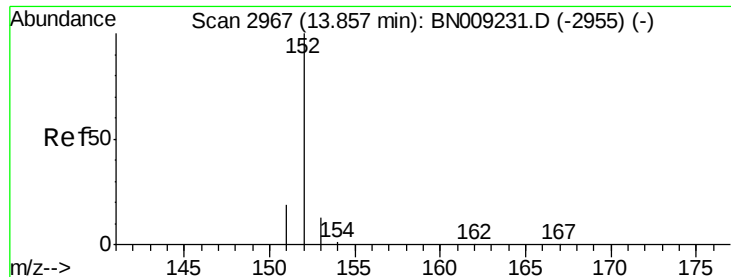
141 88.4 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.048 ng/ul

RT: 13.86 min Scan# 2967

Delta R.T. 0.00 min

Lab File: BN009232.D

Acq: 28 Dec 2019 17:29

Instrument :

BNA_N

ClientSampleId :

C0C71

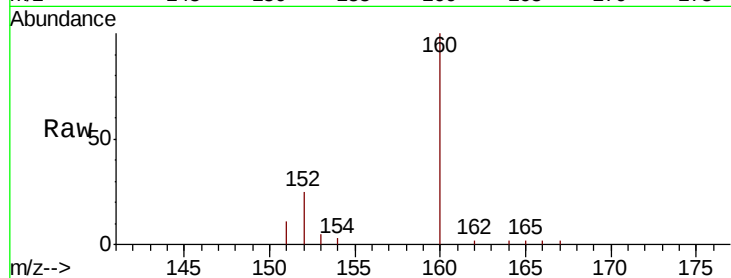
Tot Ion:152 Resp: 1177

Ion Ratio Lower Upper

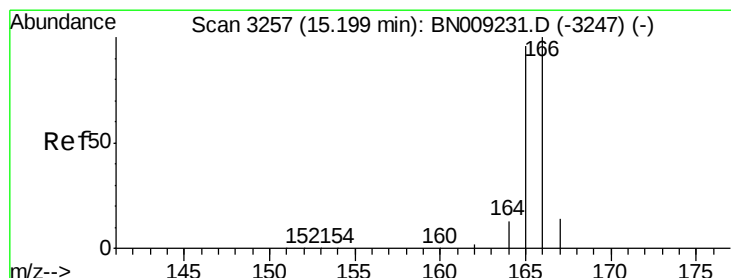
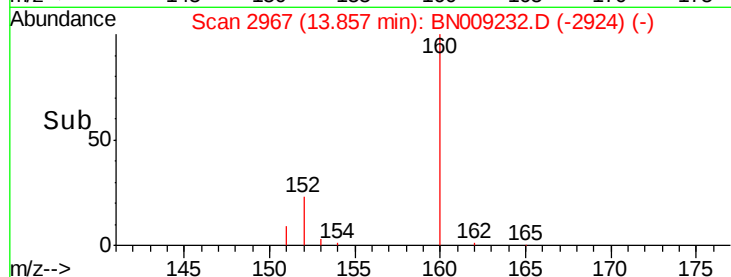
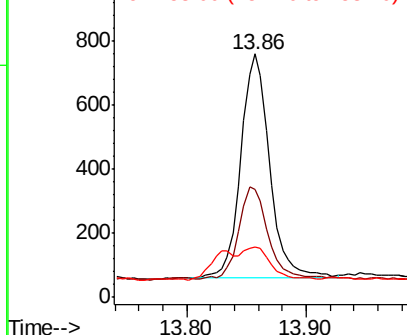
152 100

151 44.3 15.7 23.5#

153 20.8 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



#9

Fluorene

Concen: 0.027 ng/ul

RT: 15.20 min Scan# 3257

Delta R.T. 0.00 min

Lab File: BN009232.D

Acq: 28 Dec 2019 17:29

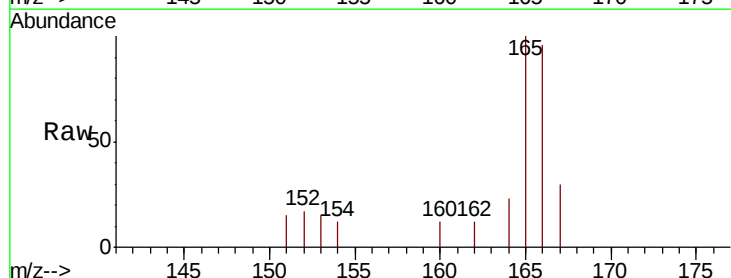
Tgt Ion:166 Resp: 611

Ion Ratio Lower Upper

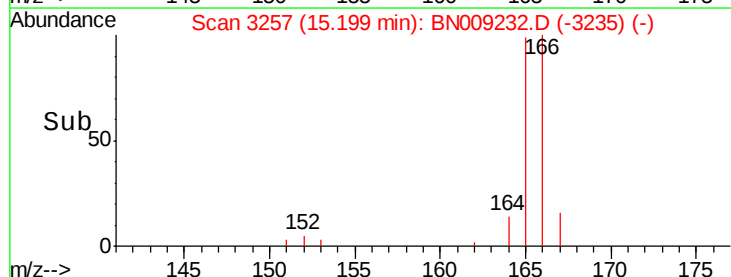
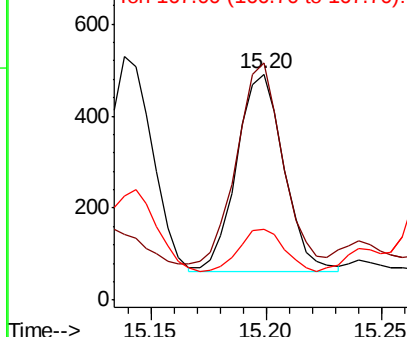
166 100

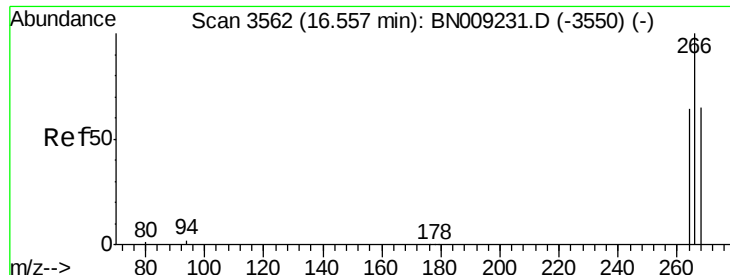
165 104.7 78.2 117.4

167 31.1 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

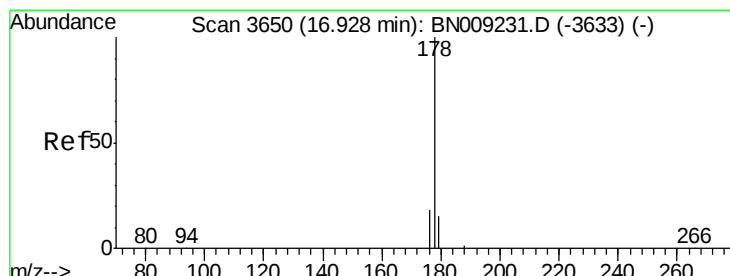
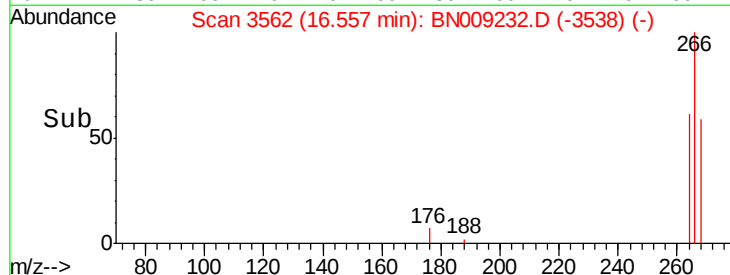
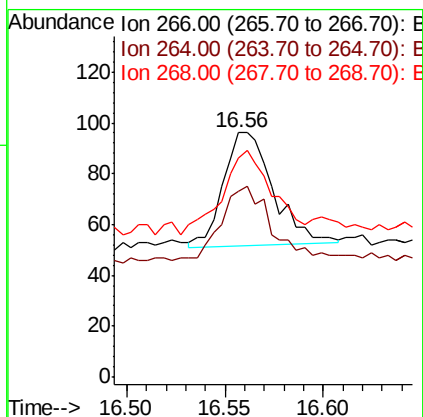
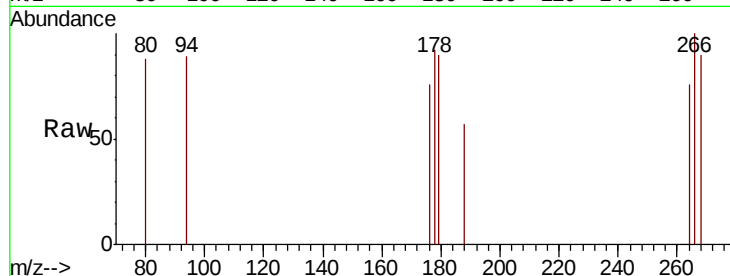




#11
 Pentachlorophenol
 Concen: 0.031 ng/ul
 RT: 16.56 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: BN009232.D
 Acq: 28 Dec 2019 17:29

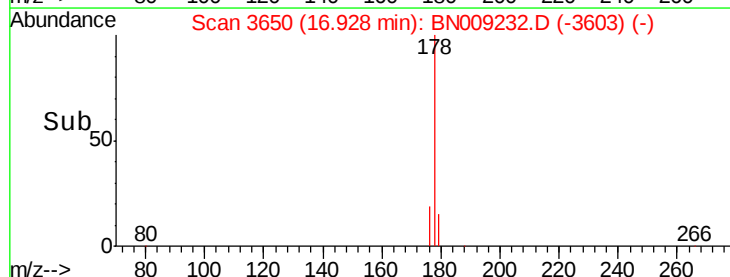
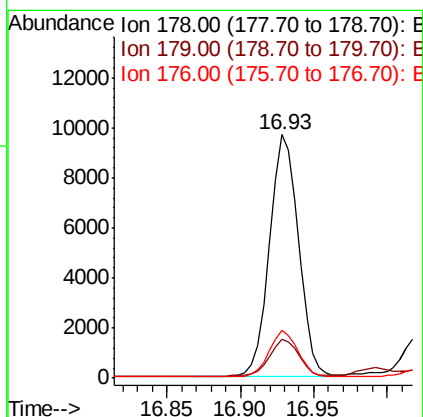
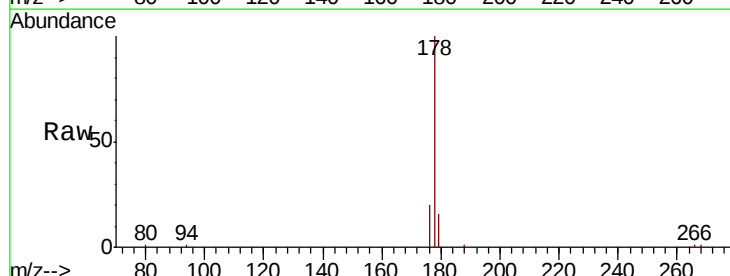
Instrument :
 BNA_N
 ClientSampleId :
 C0C71

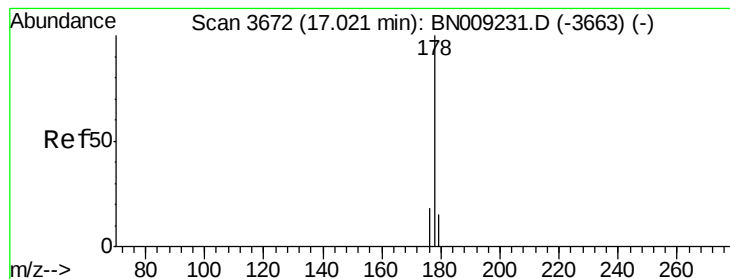
Tot Ion:266 Resp: 79
 Ion Ratio Lower Upper
 266 100
 264 67.1 49.9 74.9
 268 73.4 52.1 78.1



#12
 Phenanthrene
 Concen: 0.391 ng/ul
 RT: 16.93 min Scan# 3650
 Delta R.T. 0.00 min
 Lab File: BN009232.D
 Acq: 28 Dec 2019 17:29

Tgt Ion:178 Resp: 13108
 Ion Ratio Lower Upper
 178 100
 179 16.1 12.3 18.5
 176 19.5 15.1 22.7





#13

Anthracene

Concen: 0.077 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BN009232.D

Acq: 28 Dec 2019 17:29

Instrument :

BNA_N

ClientSampleId :

C0C71

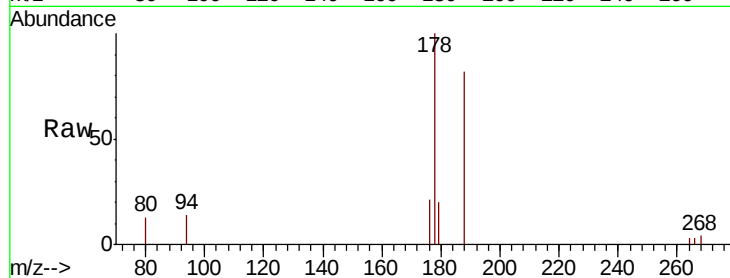
Tot Ion:178 Resp: 2312

Ion Ratio Lower Upper

178 100

179 19.9 12.5 18.7#

176 21.5 14.9 22.3

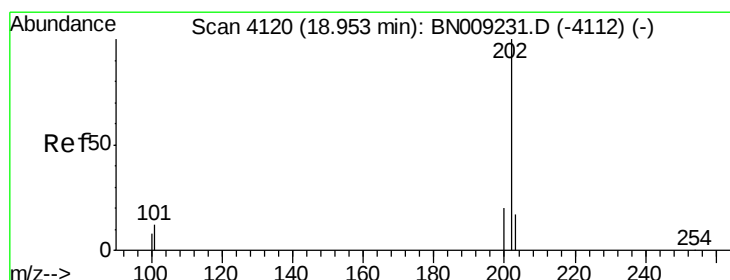
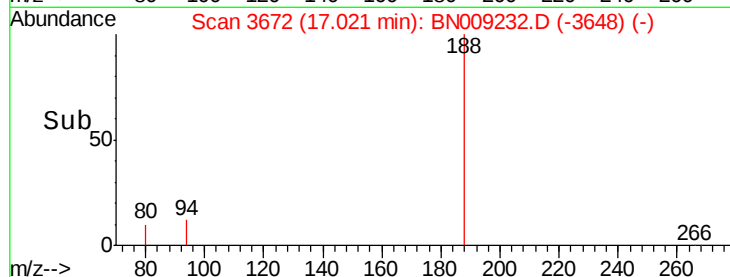
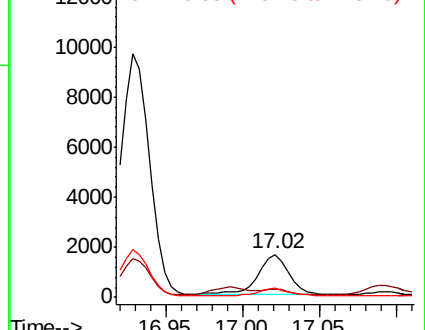


Abundance

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: 0.960 ng/ul

RT: 18.95 min Scan# 4120

Delta R.T. 0.00 min

Lab File: BN009232.D

Acq: 28 Dec 2019 17:29

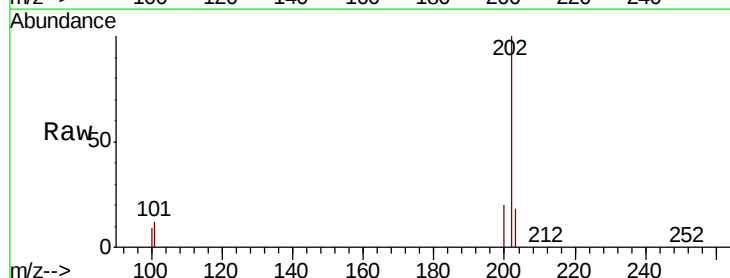
Tgt Ion:202 Resp: 36855

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.5

100 8.8 0.0 28.9

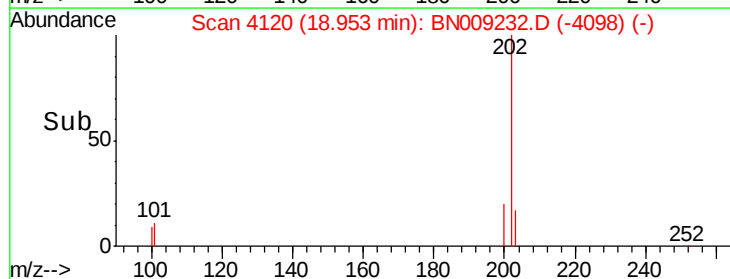
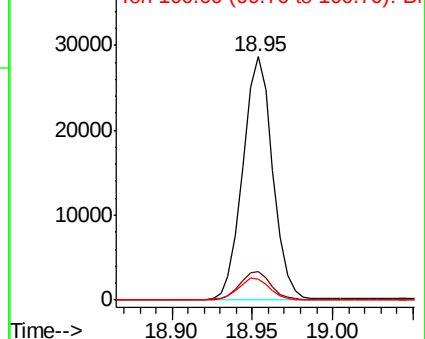


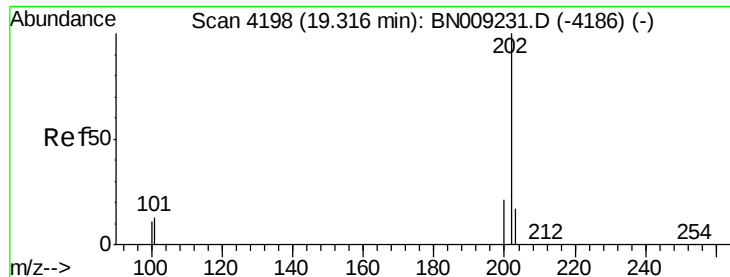
Abundance

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

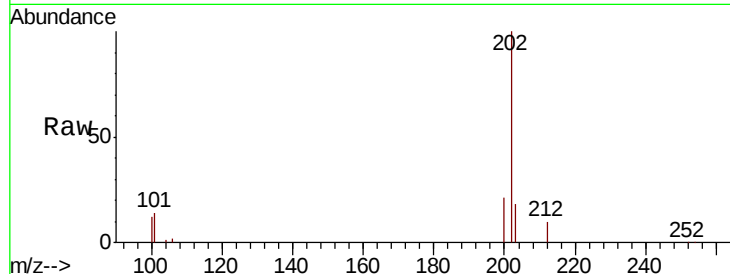




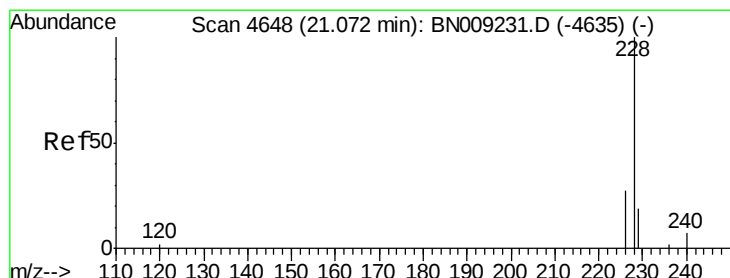
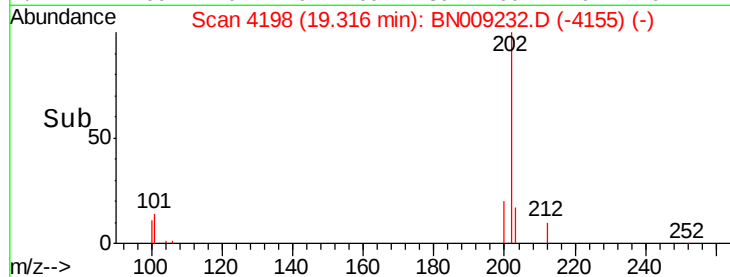
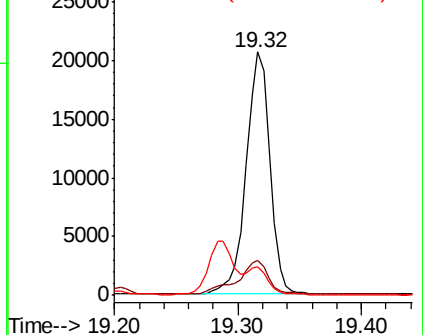
#17
Pvrene
Concen: 0.724 ng/ul
RT: 19.32 min Scan# 4198
Delta R.T. 0.00 min
Lab File: BN009232.D
Acq: 28 Dec 2019 17:29

Instrument :
BNA_N
ClientSampleId :
C0C71

Tot Ion:202 Resp: 27964
Ion Ratio Lower Upper
202 100
101 14.4 10.9 16.3
100 11.6 9.0 13.6

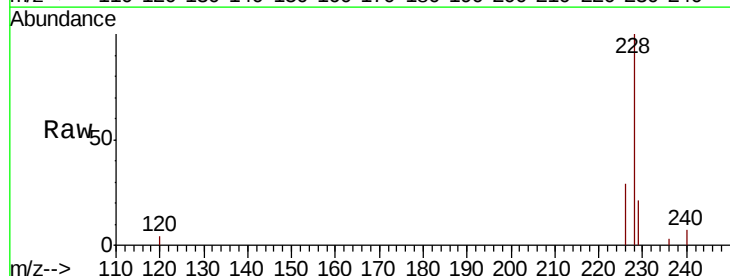


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

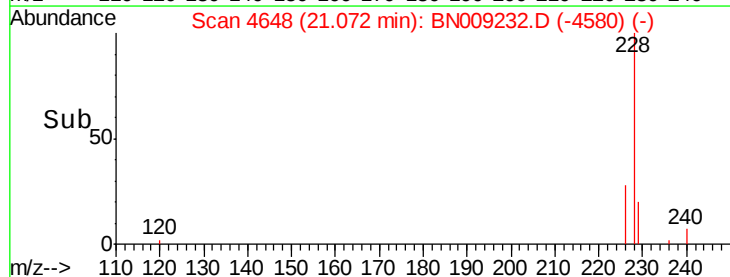
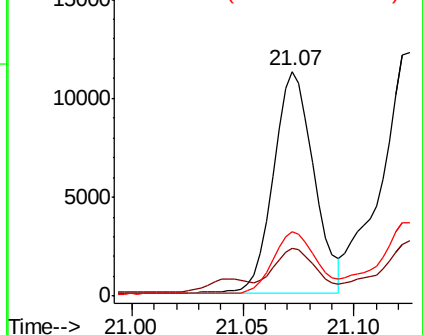


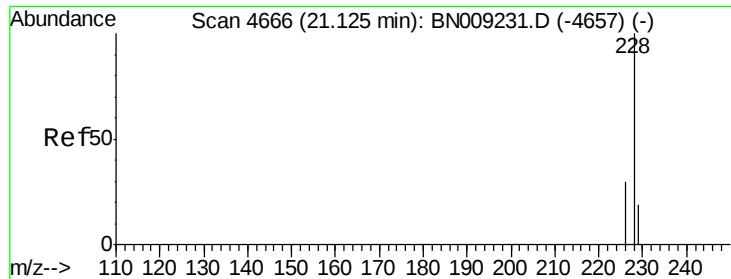
#18
Benzo(a)anthracene
Concen: 0.420 ng/ul
RT: 21.07 min Scan# 4648
Delta R.T. 0.00 min
Lab File: BN009232.D
Acq: 28 Dec 2019 17:29

Tgt Ion:228 Resp: 14099
Ion Ratio Lower Upper
228 100
229 21.4 15.5 23.3
226 28.6 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: 0.534 ng/ul

RT: 21.12 min Scan# 4666

Delta R.T. 0.00 min

Lab File: BN009232.D

Acq: 28 Dec 2019 17:29

Instrument :

BNA_N

ClientSampleId :

C0C71

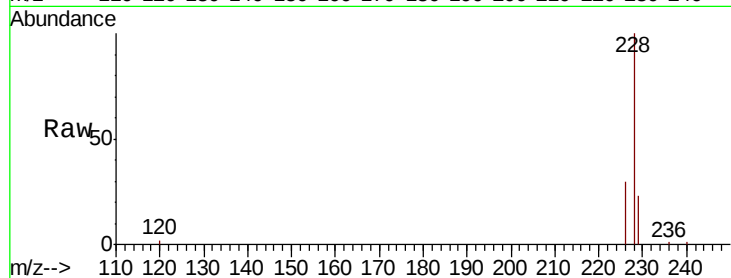
Tot Ion:228 Resp: 18021

Ion Ratio Lower Upper

228 100

226 30.0 23.7 35.5

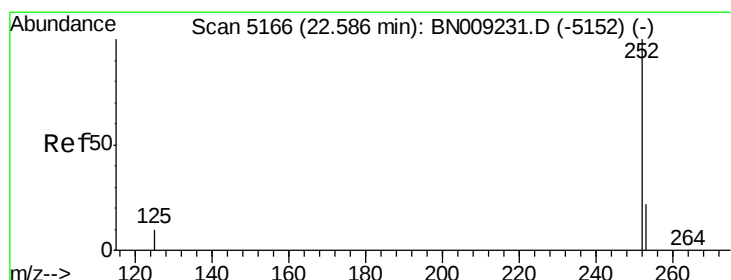
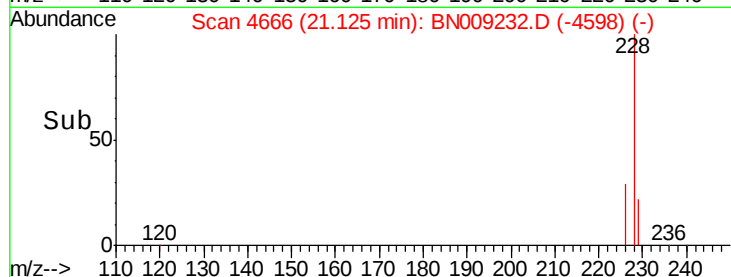
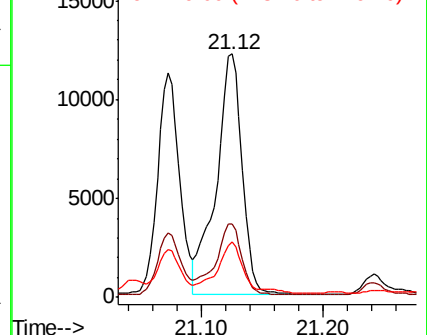
229 22.6 15.4 23.0



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: 0.896 ng/ul

RT: 22.59 min Scan# 5167

Delta R.T. 0.00 min

Lab File: BN009232.D

Acq: 28 Dec 2019 17:29

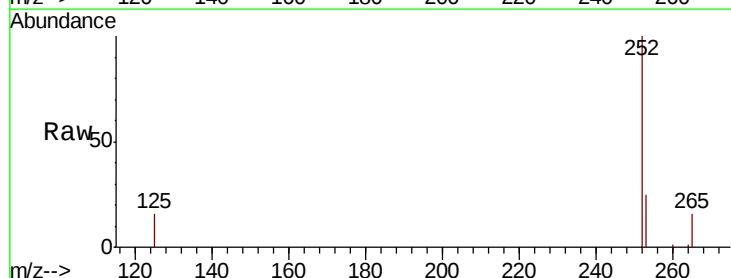
Tgt Ion:252 Resp: 32221

Ion Ratio Lower Upper

252 100

253 25.3 0.0 48.2

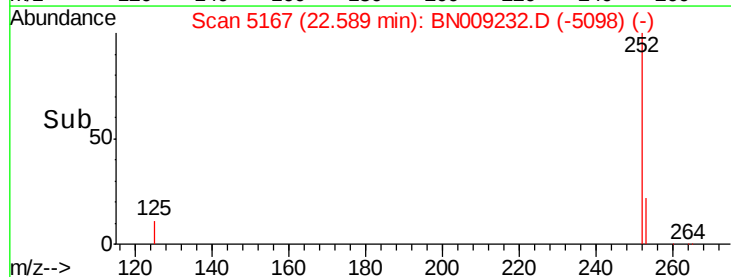
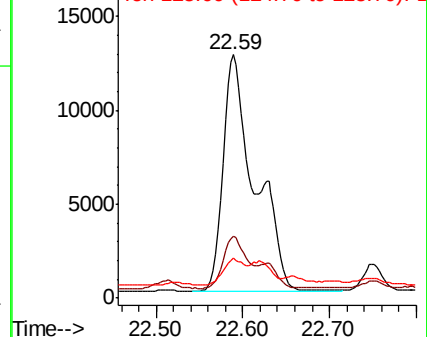
125 16.3 0.0 30.0

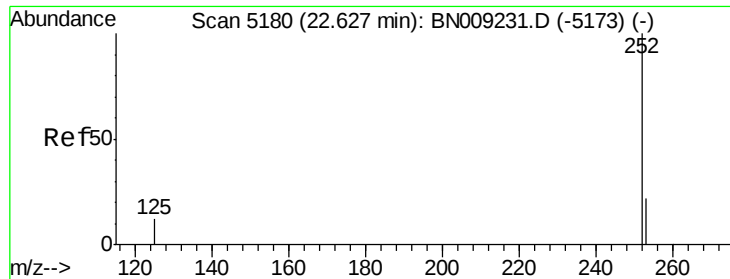


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.888 ng/ul

RT: 22.59 min Scan# 5167

Delta R.T. -0.04 min

Lab File: BN009232.D

Acq: 28 Dec 2019 17:29

Instrument :

BNA_N

ClientSampleId :

C0C71

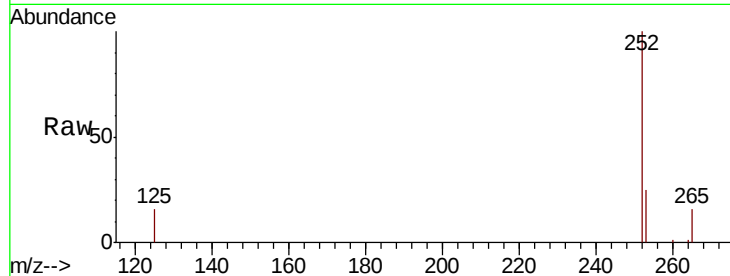
Tot Ion:252 Resp: 32190

Ion Ratio Lower Upper

252 100

253 25.3 19.4 29.0

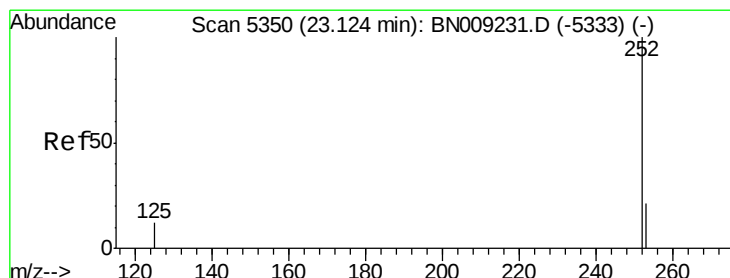
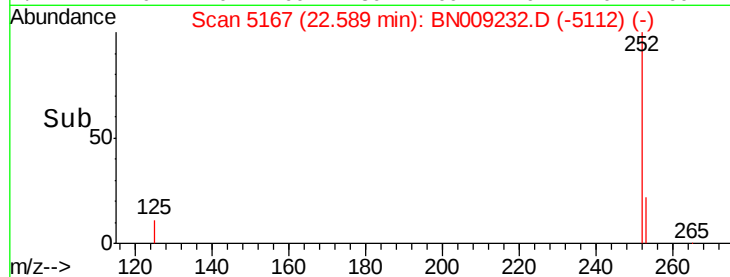
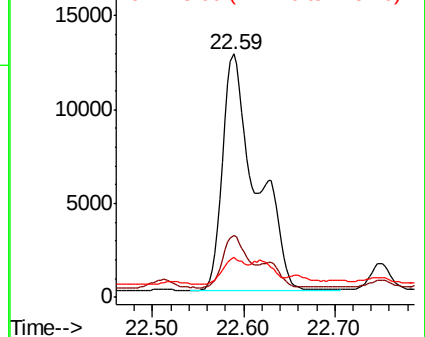
125 16.3 12.4 18.6



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: 0.399 ng/ul

RT: 23.12 min Scan# 5350

Delta R.T. 0.00 min

Lab File: BN009232.D

Acq: 28 Dec 2019 17:29

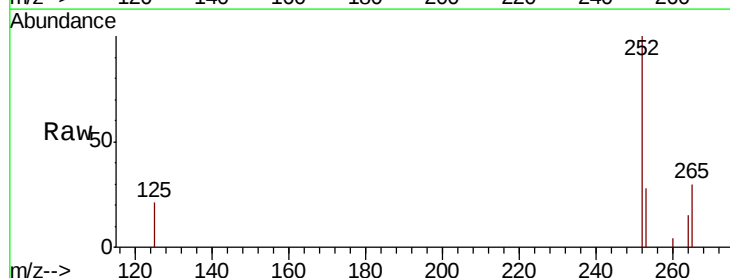
Tgt Ion:252 Resp: 12590

Ion Ratio Lower Upper

252 100

253 27.9 20.2 30.4

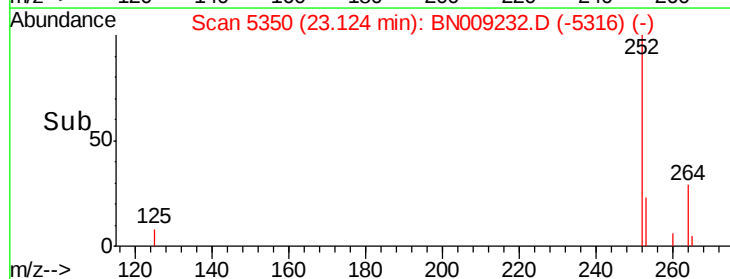
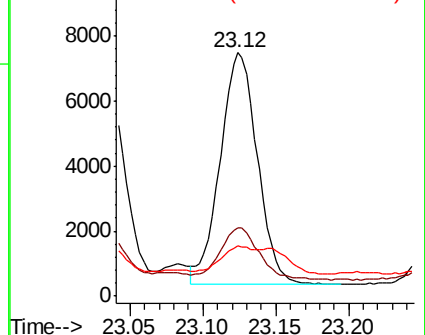
125 20.5 13.2 19.8#

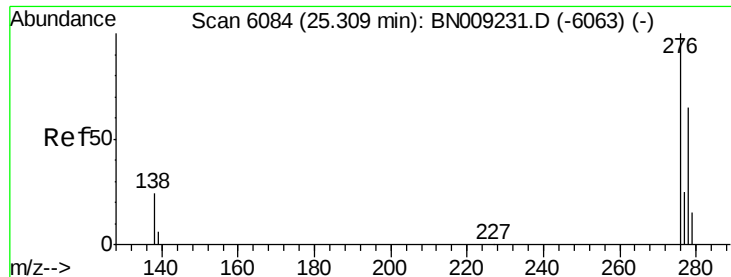


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



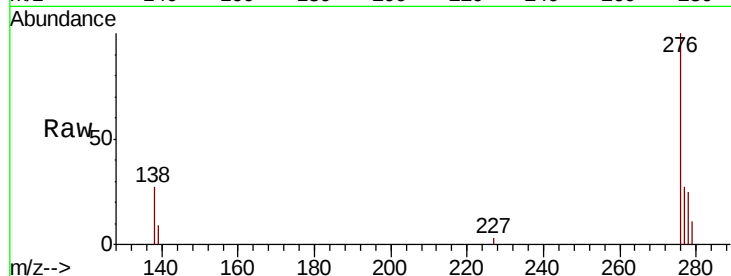


#24

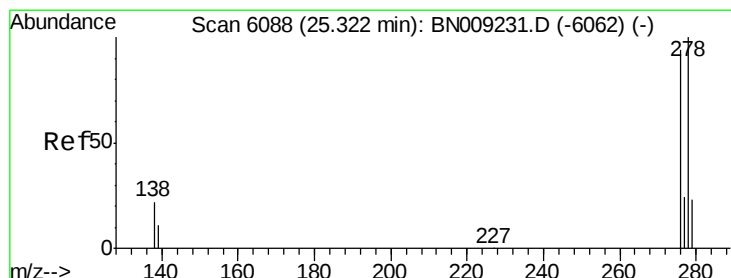
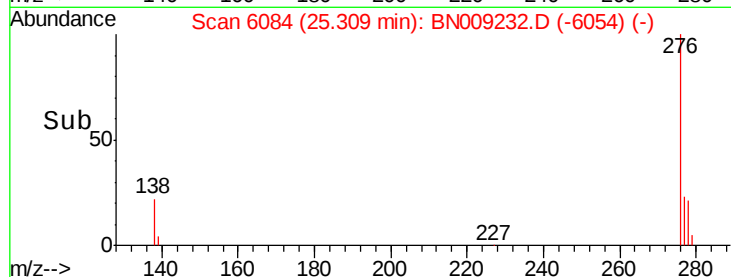
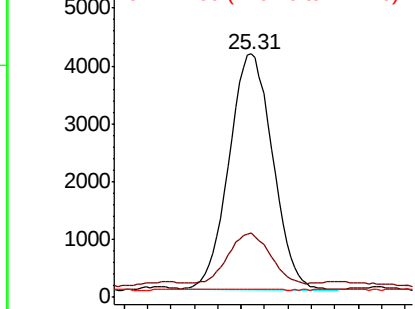
Indeno(1,2,3-cd)pyrene
Concen: 0.308 ng/u1
RT: 25.31 min Scan# 6084
Delta R.T. 0.00 min
Lab File: BN009232.D
Acq: 28 Dec 2019 17:29

Instrument :
BNA_N
ClientSampleId :
C0C71

Tot Ion:276 Resp: 10567
Ion Ratio Lower Upper
276 100
138 20.0 22.4 33.6#
227 0.3 0.2 0.4



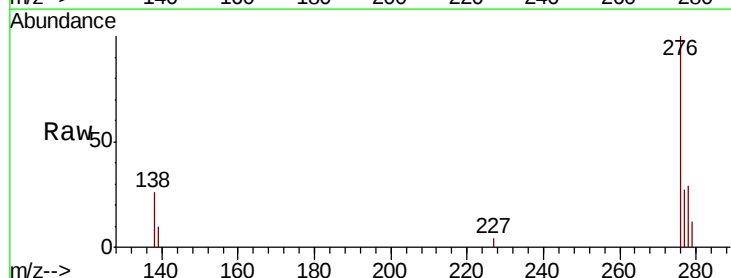
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



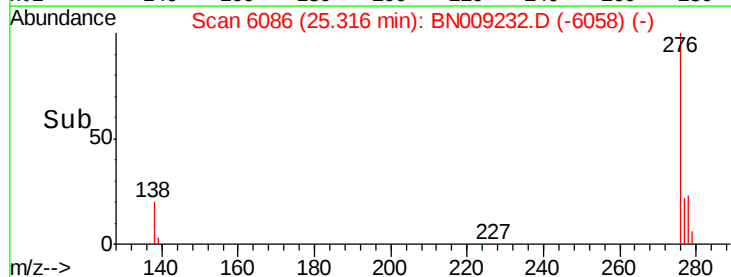
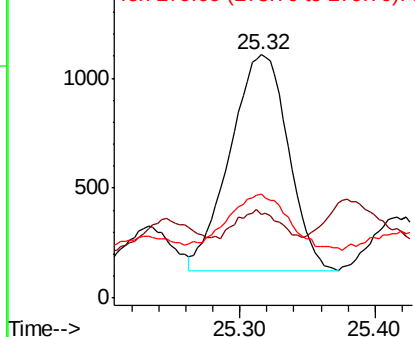
#25

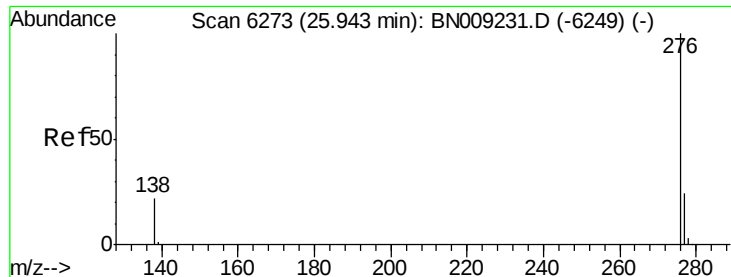
Dibenzo(a,h)anthracene
Concen: 0.108 ng/u1
RT: 25.32 min Scan# 6086
Delta R.T. -0.01 min
Lab File: BN009232.D
Acq: 28 Dec 2019 17:29

Tgt Ion:278 Resp: 2962
Ion Ratio Lower Upper
278 100
139 34.2 16.2 24.2#
279 42.8 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: 0.275 ng/ul

RT: 25.94 min Scan# 6273

Delta R.T. 0.00 min

Lab File: BN009232.D

Acq: 28 Dec 2019 17:29

Instrument :

BNA_N

ClientSampleId :

C0C71

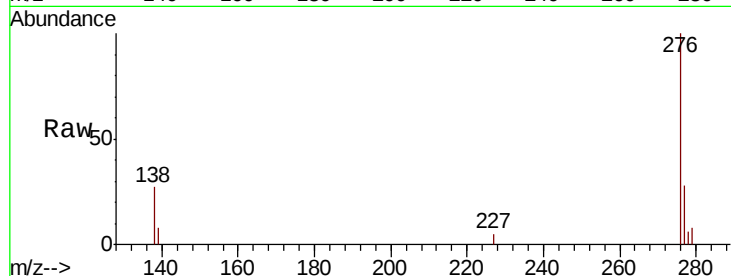
Tot Ion:276 Resp: 7952

Ion Ratio Lower Upper

276 100

138 27.4 20.6 30.8

277 27.8 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

