

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122819\
 Data File : BN009216.D
 Acq On : 28 Dec 2019 04:41
 Operator : JU
 Sample : K6277-20DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 28 05:26:29 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 : Sat Dec 28 04:39:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2484	0.40	ng/ul	0.00
2) Naphthalene-d8	10.27	136	9233	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.14	164	5226	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	10808	0.40	ng/ul	0.00
16) Chrysene-d12	21.09	240	8103	0.40	ng/ul	0.00
20) Perylene-d12	23.22	264	8539	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	587	0.04	ng/ul	0.00
14) Fluoranthene-d10	18.93	212	1234	0.04	ng/ul	0.00

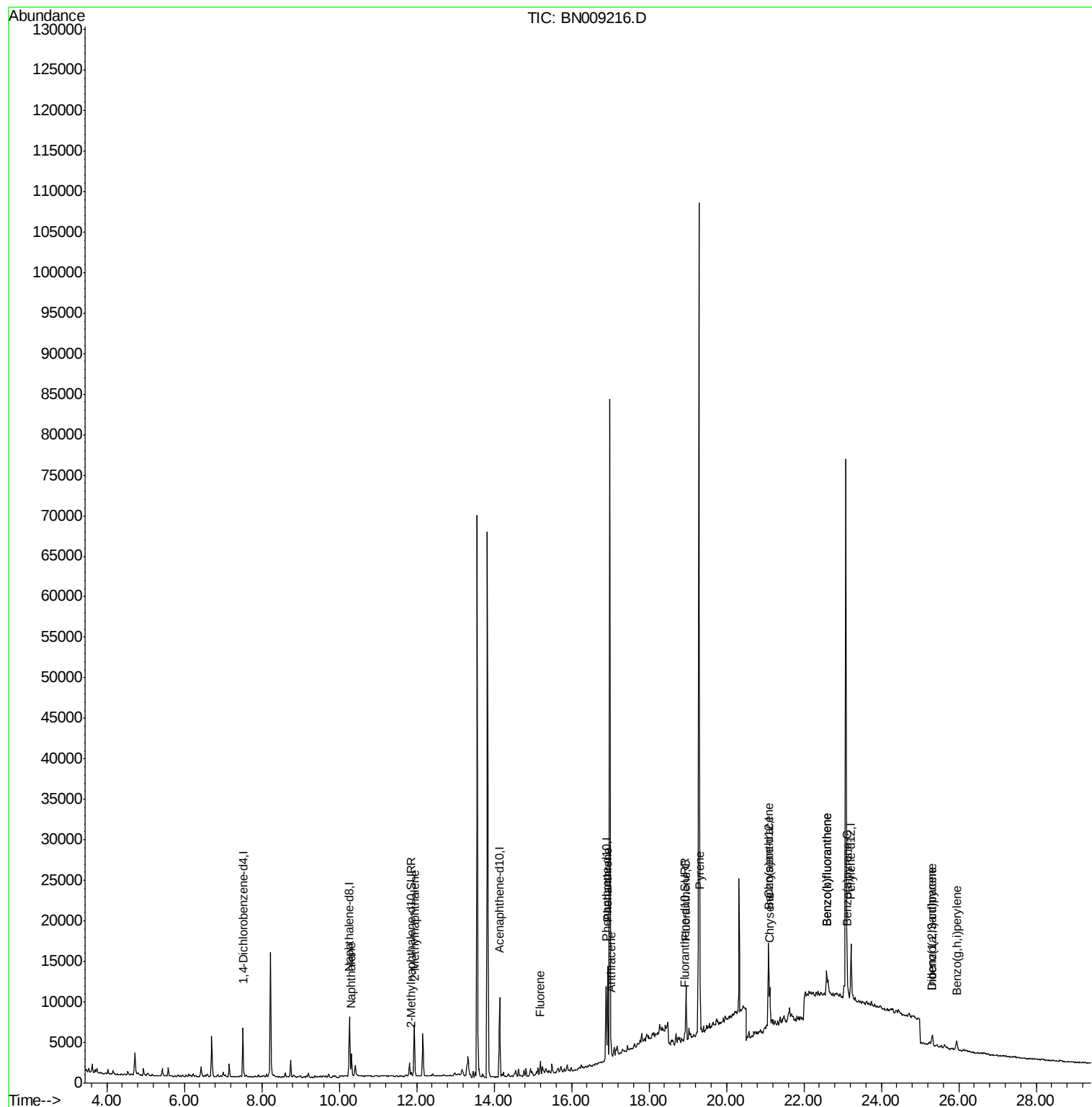
Target Compounds				Ovalue		
3) Naphthalene	10.32	128	3916	0.140	ng/ul	96
5) 2-Methylnaphthalene	11.94	142	4694	0.222	ng/ul	99
9) Fluorene	15.20	166	519	0.020	ng/ul#	57
12) Phenanthrene	16.93	178	12265	0.326	ng/ul	93
13) Anthracene	17.02	178	810	0.024	ng/ul#	24
15) Fluoranthene	18.95	202	5992	0.139	ng/ul	94
17) Pyrene	19.32	202	5776	0.140	ng/ul#	95
18) Benzo(a)anthracene	21.07	228	2322	0.065	ng/ul#	19
19) Chrysene	21.12	228	5768	0.160	ng/ul#	48
21) Benzo(b)fluoranthene	22.59	252	5584	0.140	ng/ul#	1
22) Benzo(k)fluoranthene	22.59	252	5433	0.135	ng/ul#	1
23) Benzo(a)pyrene	23.12	252	1902	0.054	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.32	276	1731	0.045	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.32	278	768	0.025	ng/ul#	1
26) Benzo(g,h,i)perylene	25.94	276	2187	0.068	ng/ul#	5

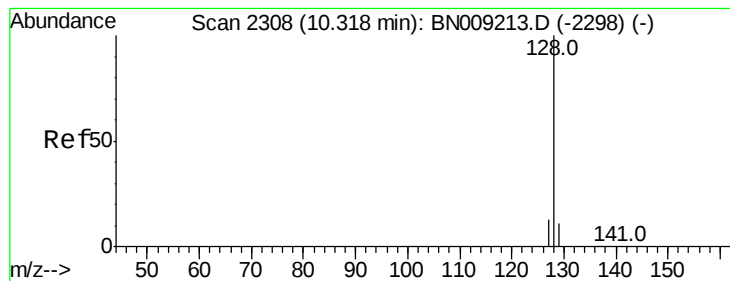
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.140 ng/ul

RT: 10.32 min Scan# 2308

Delta R.T. 0.00 min

Lab File: BN009216.D

Acq: 28 Dec 2019 04:41

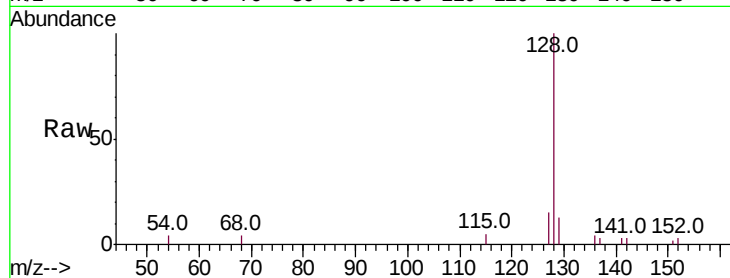
Instrument :

BNA_N

ClientSampleId :

Tot Ion:128 Resp: 3916

Ion	Ratio	Lower	Upper
128	100		
129	13.2	9.0	13.4
127	15.1	10.9	16.3

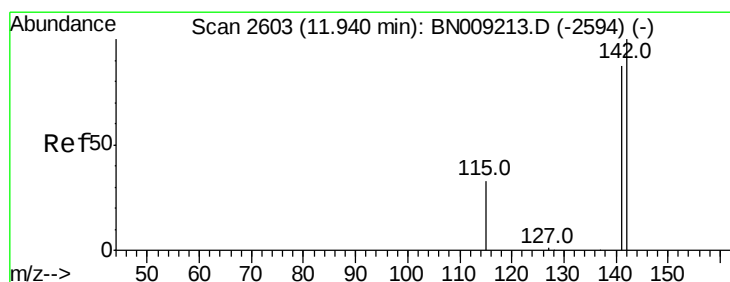
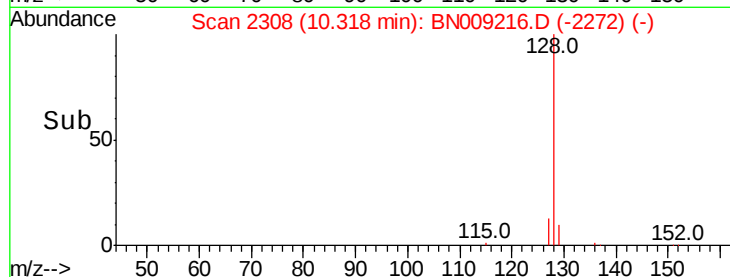
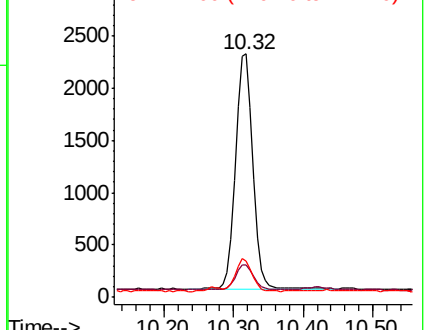


Abundance

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: 0.222 ng/ul

RT: 11.94 min Scan# 2603

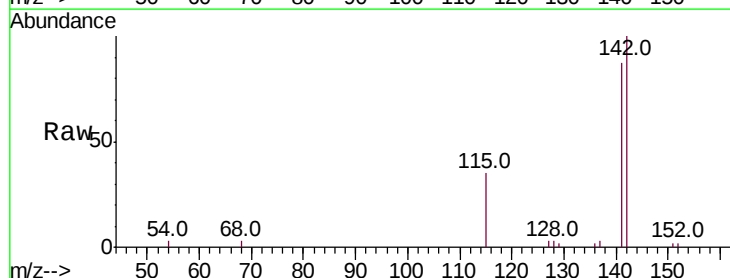
Delta R.T. 0.00 min

Lab File: BN009216.D

Acq: 28 Dec 2019 04:41

Tgt Ion:142 Resp: 4694

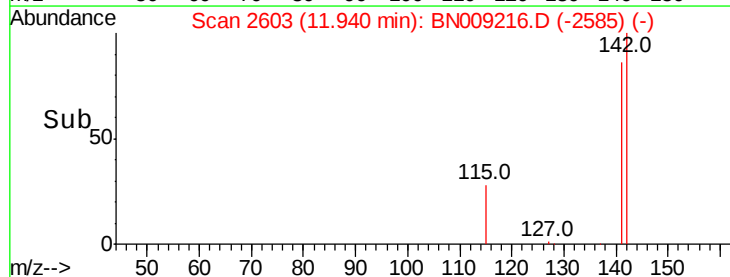
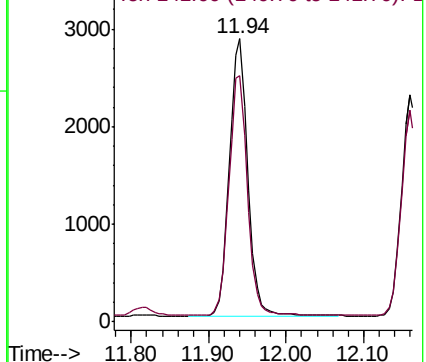
Ion	Ratio	Lower	Upper
142	100		
141	86.9	70.2	105.4

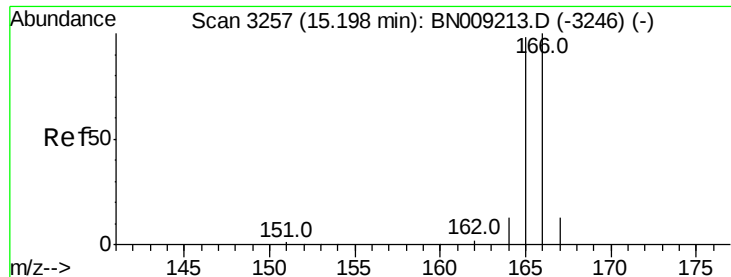


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Fluorene

Concen: 0.020 ng/ul

RT: 15.20 min Scan# 3257

Delta R.T. 0.00 min

Lab File: BN009216.D

Acq: 28 Dec 2019 04:41

Instrument :

BNA_N

ClientSampleId :

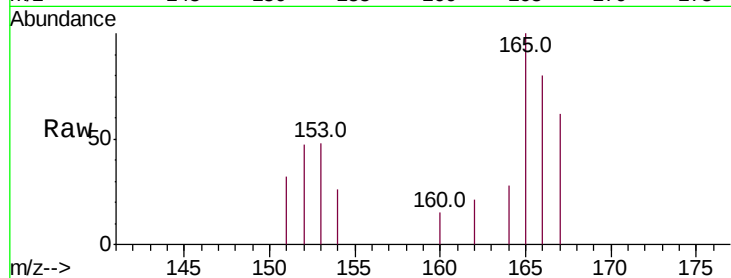
Tot Ion:166 Resp: 519

Ion Ratio Lower Upper

166 100

165 124.2 78.2 117.4#

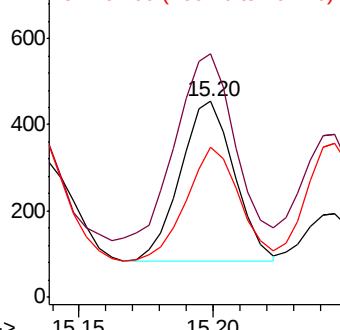
167 76.9 11.0 16.6#



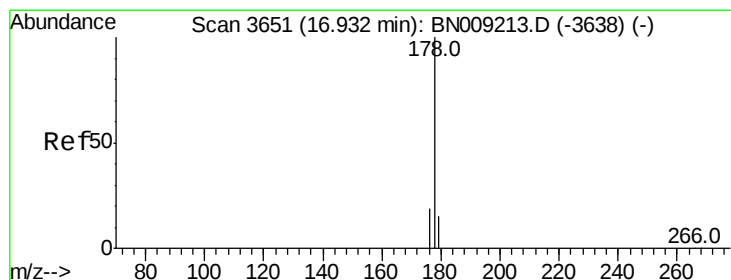
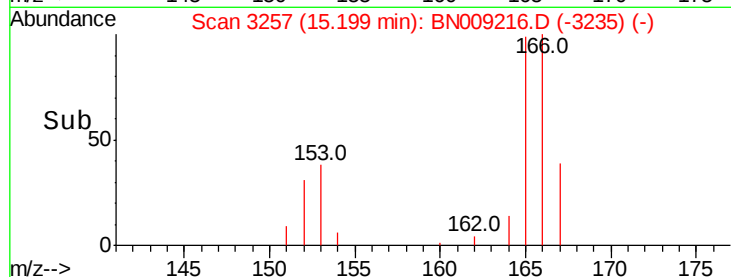
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->



#12

Phenanthrene

Concen: 0.326 ng/ul

RT: 16.93 min Scan# 3651

Delta R.T. 0.00 min

Lab File: BN009216.D

Acq: 28 Dec 2019 04:41

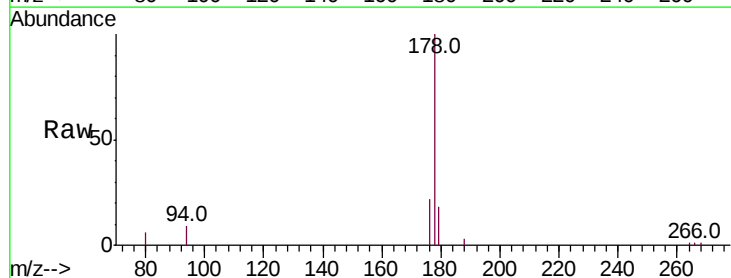
Tgt Ion:178 Resp: 12265

Ion Ratio Lower Upper

178 100

179 18.2 12.3 18.5

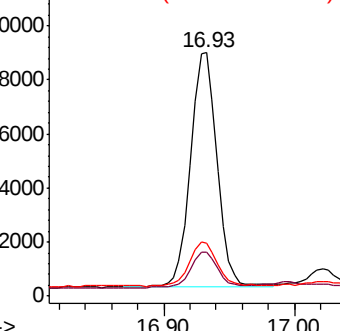
176 21.9 15.1 22.7



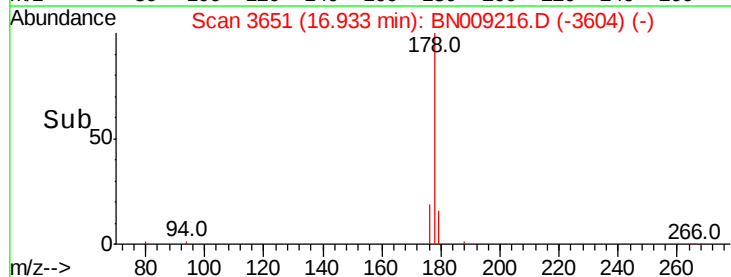
Abundance Ion 178.00 (177.70 to 178.70): E

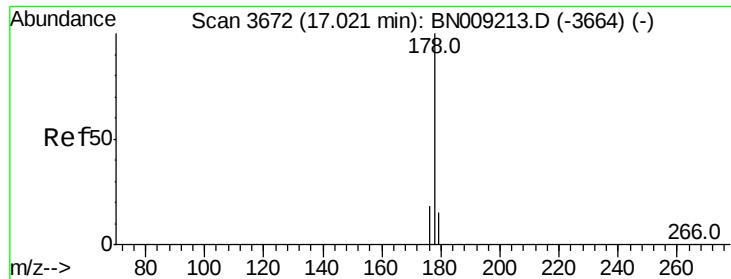
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->





#13

Anthracene

Concen: 0.024 ng/ul

RT: 17.02 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BN009216.D

Acq: 28 Dec 2019 04:41

Instrument :

BNA_N

ClientSampleId :

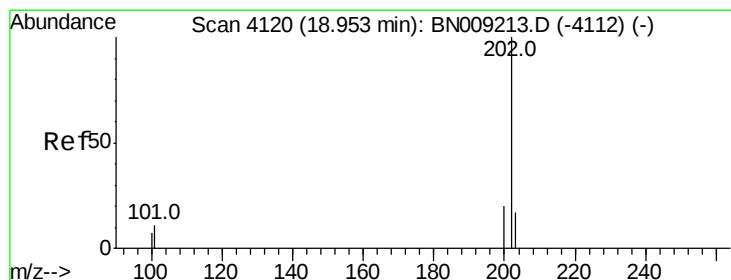
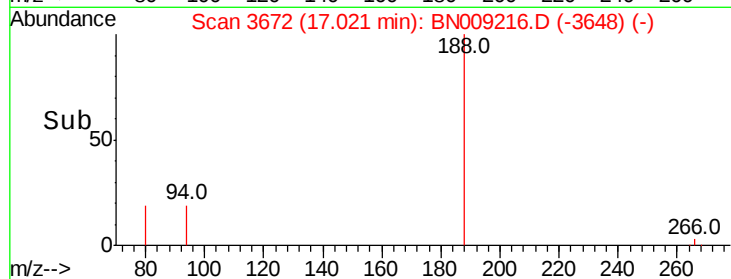
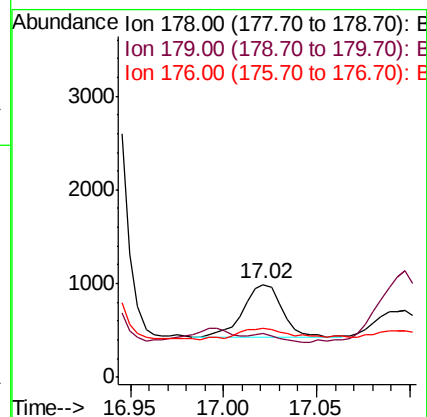
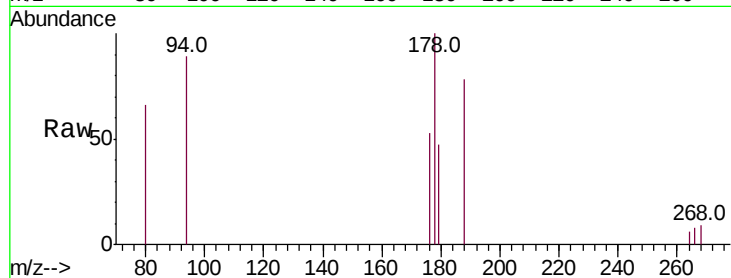
Tot Ion:178 Resp: 810

Ion Ratio Lower Upper

178 100

179 46.6 12.5 18.7#

176 53.3 14.9 22.3#



#15

Fluoranthene

Concen: 0.139 ng/ul

RT: 18.95 min Scan# 4120

Delta R.T. 0.00 min

Lab File: BN009216.D

Acq: 28 Dec 2019 04:41

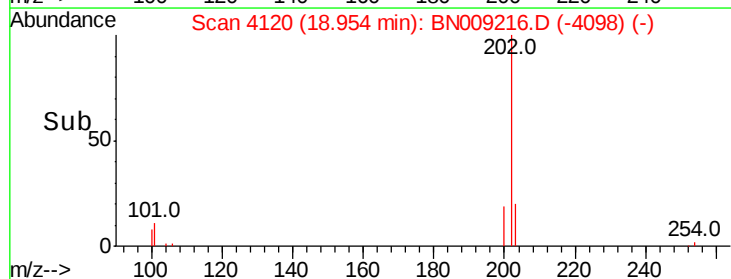
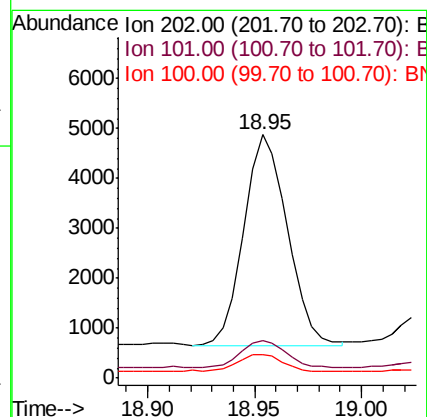
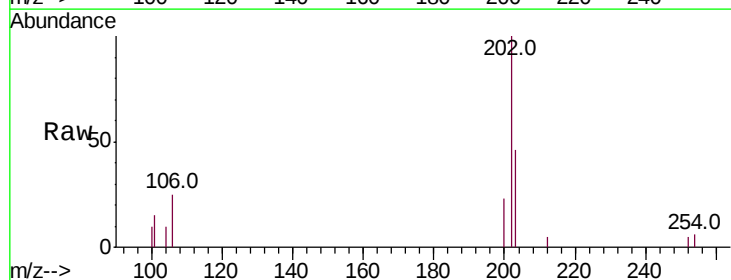
Tgt Ion:202 Resp: 5992

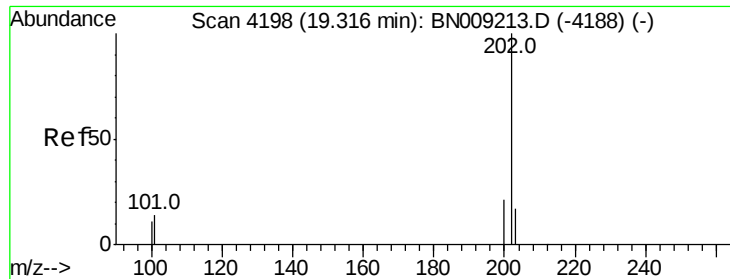
Ion Ratio Lower Upper

202 100

101 15.2 0.0 31.5

100 9.7 0.0 28.9

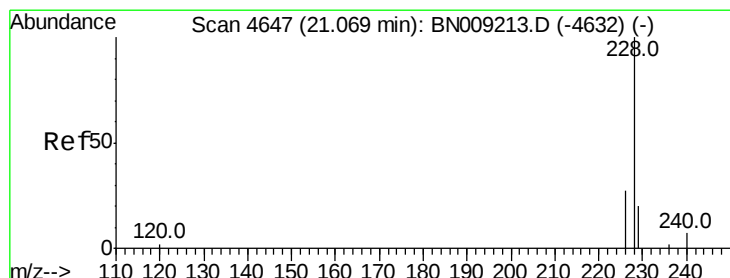
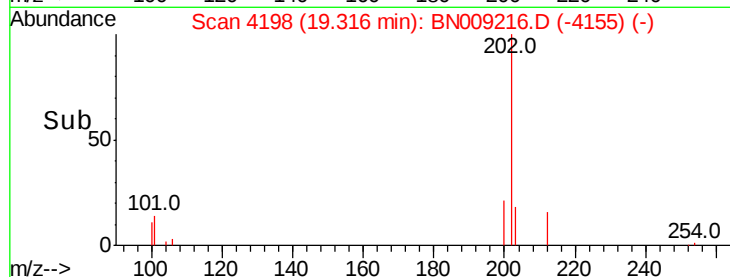
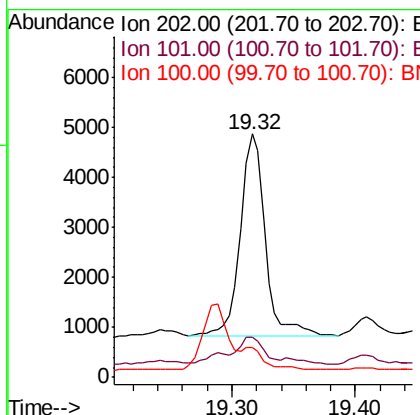
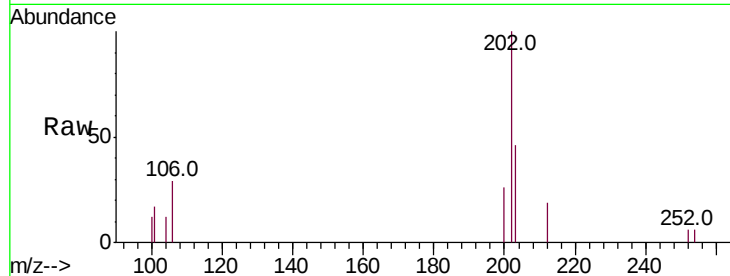




#17
Pvrene
Concen: 0.140 ng/ul
RT: 19.32 min Scan# 4198
Delta R.T. 0.00 min
Lab File: BN009216.D
Acq: 28 Dec 2019 04:41

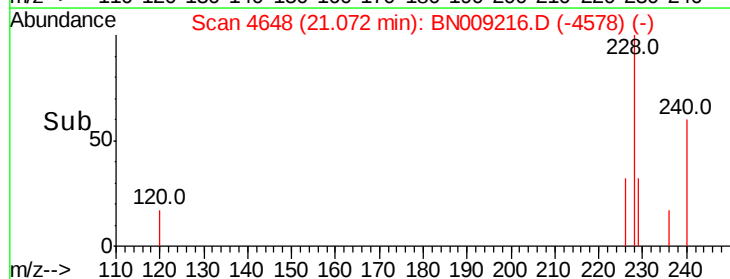
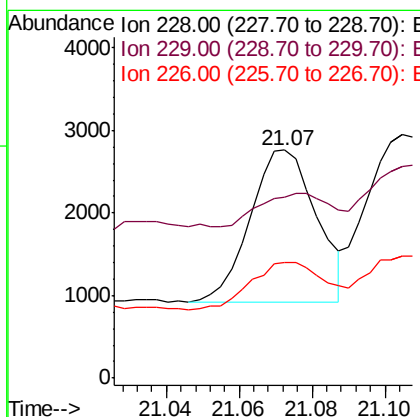
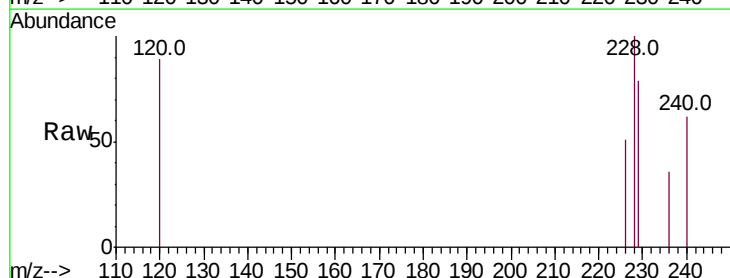
Instrument :
BNA_N
ClientSampleId :

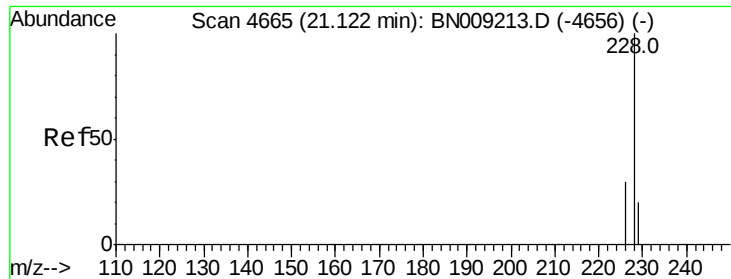
Tot Ion:202 Resp: 5776
Ion Ratio Lower Upper
202 100
101 16.6 10.9 16.3#
100 12.3 9.0 13.6



#18
Benzo(a)anthracene
Concen: 0.065 ng/ul
RT: 21.07 min Scan# 4648
Delta R.T. 0.00 min
Lab File: BN009216.D
Acq: 28 Dec 2019 04:41

Tgt Ion:228 Resp: 2322
Ion Ratio Lower Upper
228 100
229 79.2 15.5 23.3#
226 50.6 21.7 32.5#





#19

Chrysene

Concen: 0.160 ng/ul

RT: 21.12 min Scan# 4665

Delta R.T. 0.00 min

Lab File: BN009216.D

Acq: 28 Dec 2019 04:41

Instrument :

BNA_N

ClientSampled :

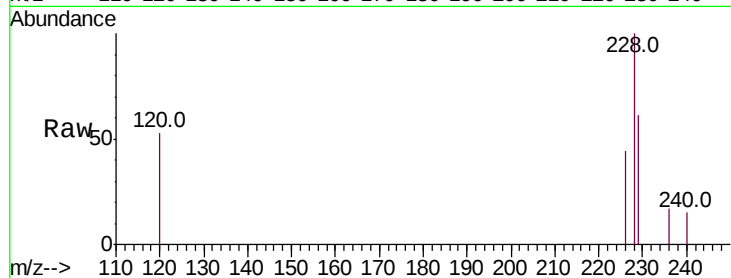
Tot Ion:228 Resp: 5768

Ion Ratio Lower Upper

228 100

226 43.7 23.7 35.5#

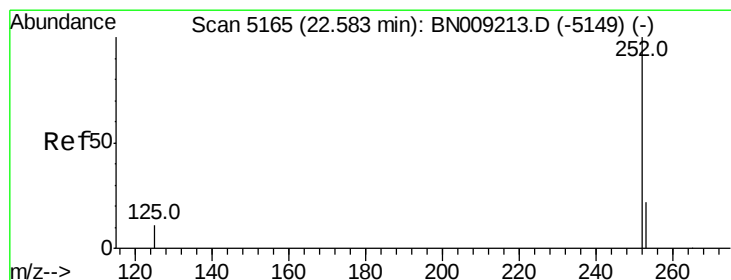
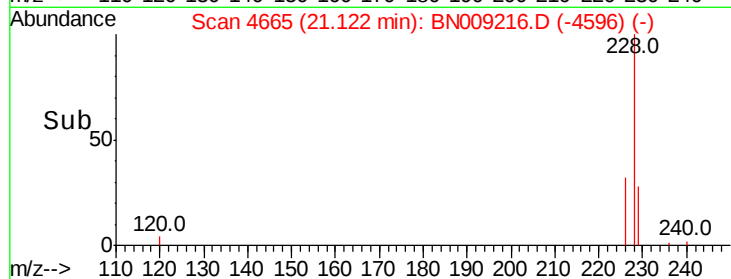
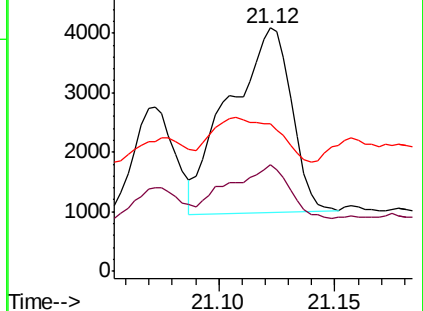
229 60.6 15.4 23.0#



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: 0.140 ng/ul

RT: 22.59 min Scan# 5167

Delta R.T. 0.01 min

Lab File: BN009216.D

Acq: 28 Dec 2019 04:41

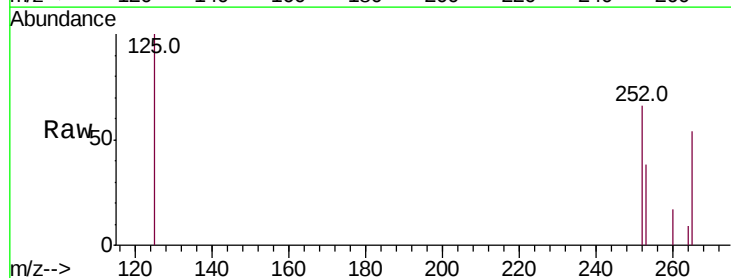
Tgt Ion:252 Resp: 5584

Ion Ratio Lower Upper

252 100

253 57.5 0.0 48.2#

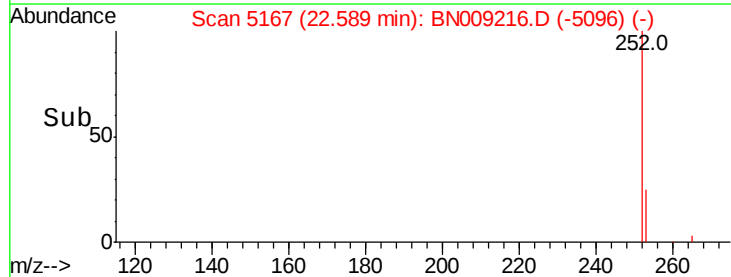
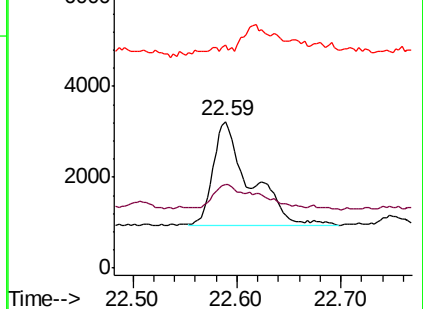
125 152.2 0.0 30.0#

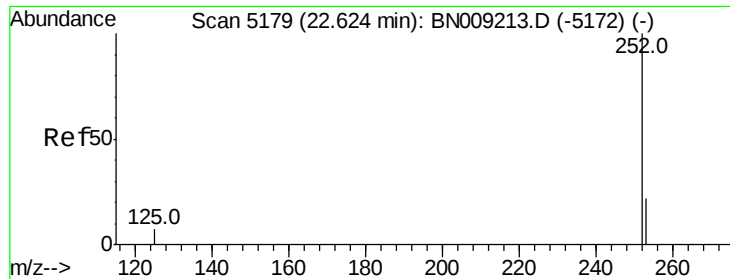


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.135 ng/ul

RT: 22.59 min Scan# 5167

Delta R.T. -0.03 min

Lab File: BN009216.D

Acq: 28 Dec 2019 04:41

Instrument :

BNA_N

ClientSampleId :

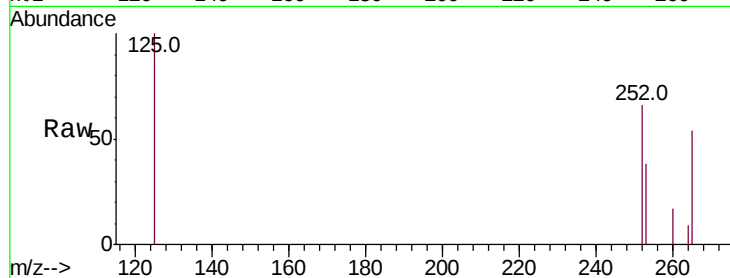
Tot Ion:252 Resp: 5433

Ion Ratio Lower Upper

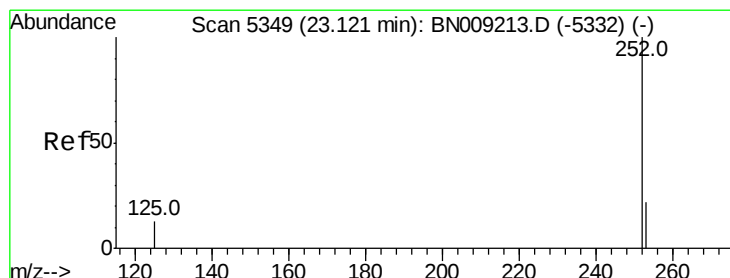
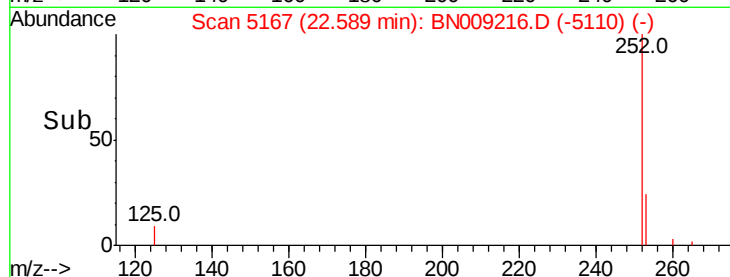
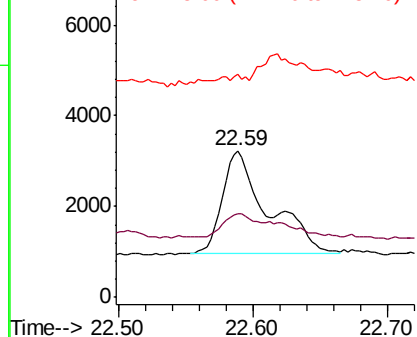
252 100

253 57.5 19.4 29.0#

125 152.2 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: 0.054 ng/ul

RT: 23.12 min Scan# 5349

Delta R.T. 0.00 min

Lab File: BN009216.D

Acq: 28 Dec 2019 04:41

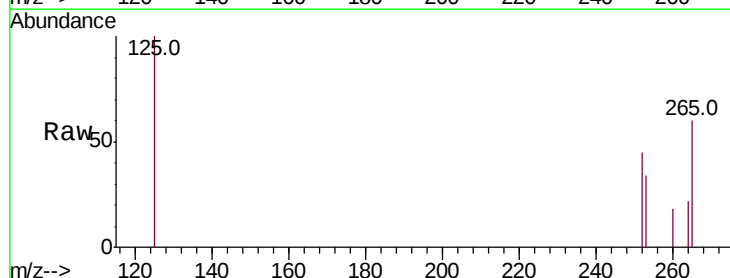
Tgt Ion:252 Resp: 1902

Ion Ratio Lower Upper

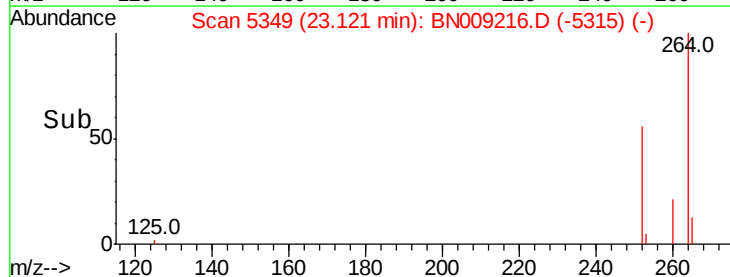
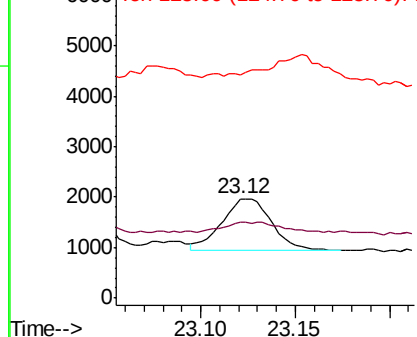
252 100

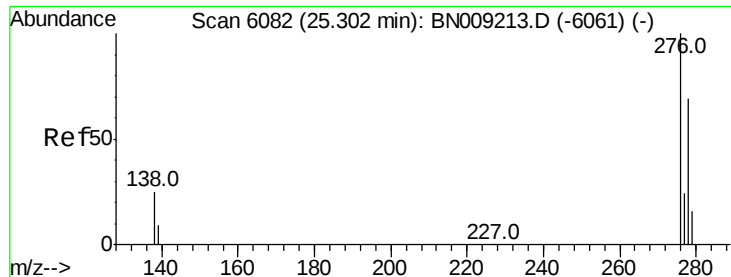
253 75.8 20.2 30.4#

125 224.6 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



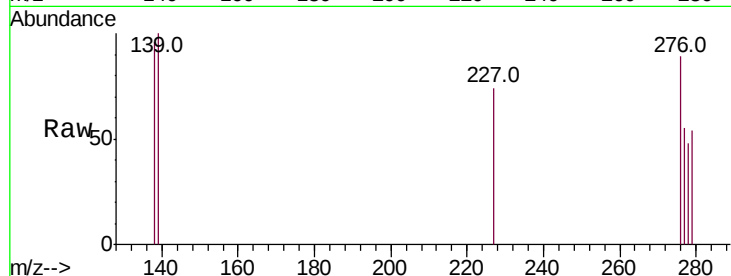


#24

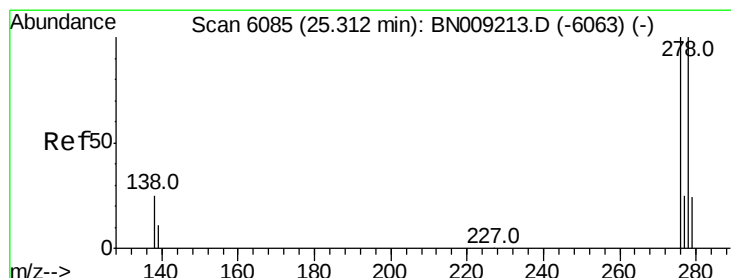
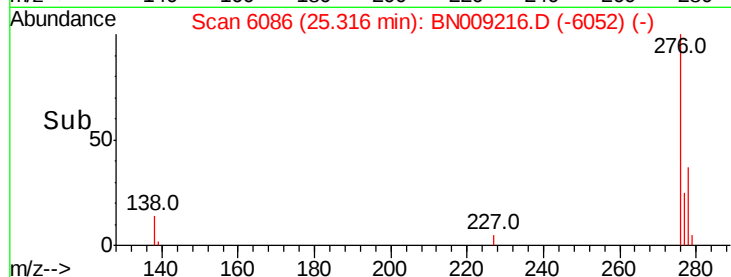
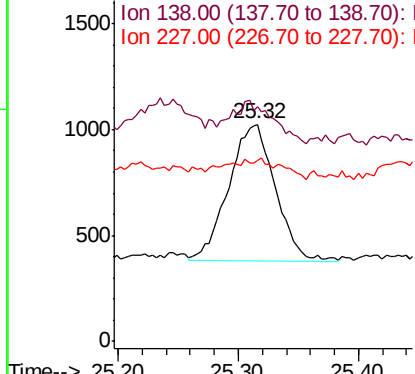
Indeno(1,2,3-cd)pyrene
Concen: 0.045 ng/ul
RT: 25.32 min Scan# 6086
Delta R.T. 0.01 min
Lab File: BN009216.D
Acq: 28 Dec 2019 04:41

Instrument :
BNA_N
ClientSampled :

Tot Ion:276 Resp: 1731
Ion Ratio Lower Upper
276 100
138 29.1 22.4 33.6
227 0.0 0.2 0.4#



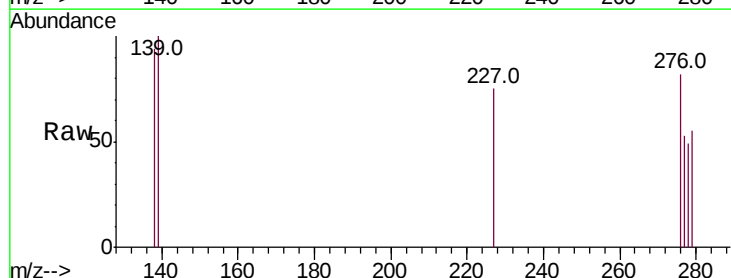
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



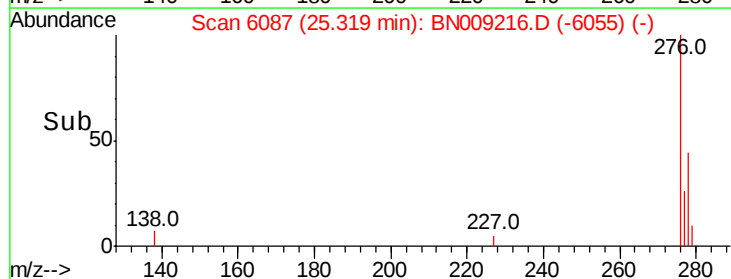
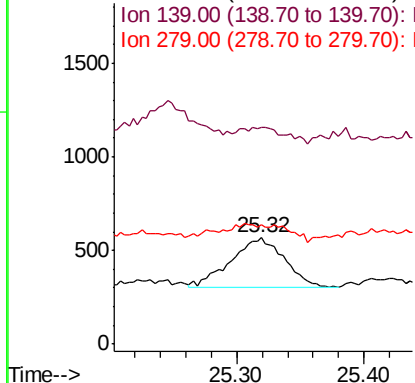
#25

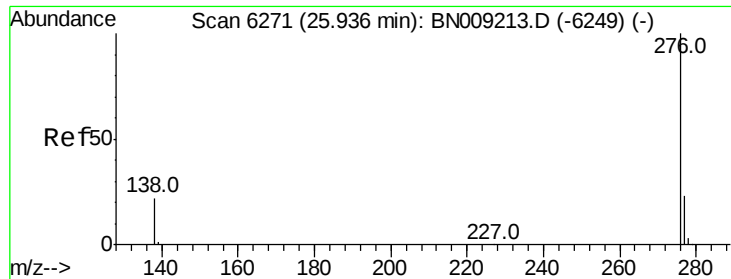
Dibenzo(a,h)anthracene
Concen: 0.025 ng/ul
RT: 25.32 min Scan# 6087
Delta R.T. 0.01 min
Lab File: BN009216.D
Acq: 28 Dec 2019 04:41

Tgt Ion:278 Resp: 768
Ion Ratio Lower Upper
278 100
139 204.2 16.2 24.2#
279 112.5 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: 0.068 ng/ul

RT: 25.94 min Scan# 6273

Delta R.T. 0.01 min

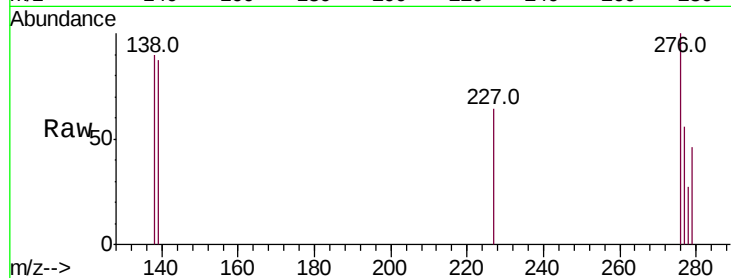
Lab File: BN009216.D

Acq: 28 Dec 2019 04:41

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 2187

Ion Ratio Lower Upper

276 100

138 89.5 20.6 30.8#

277 55.6 19.6 29.4#

