

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121919\
 Data File : BN009048.D
 Acq On : 20 Dec 2019 02:36
 Operator : JU
 Sample : K6171-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 20 05:07:04 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 : Thu Dec 19 15:54:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2981	0.40	ng/ul	0.00
2) Naphthalene-d8	10.29	136	11919	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.17	164	7097	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.91	188	15350	0.40	ng/ul	0.00
16) Chrysene-d12	21.11	240	10309	0.40	ng/ul	0.00
20) Perylene-d12	23.25	264	8829	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.89	152	2756	0.13	ng/ul	0.00
14) Fluoranthene-d10	18.94	212	7059	0.16	ng/ul	0.00

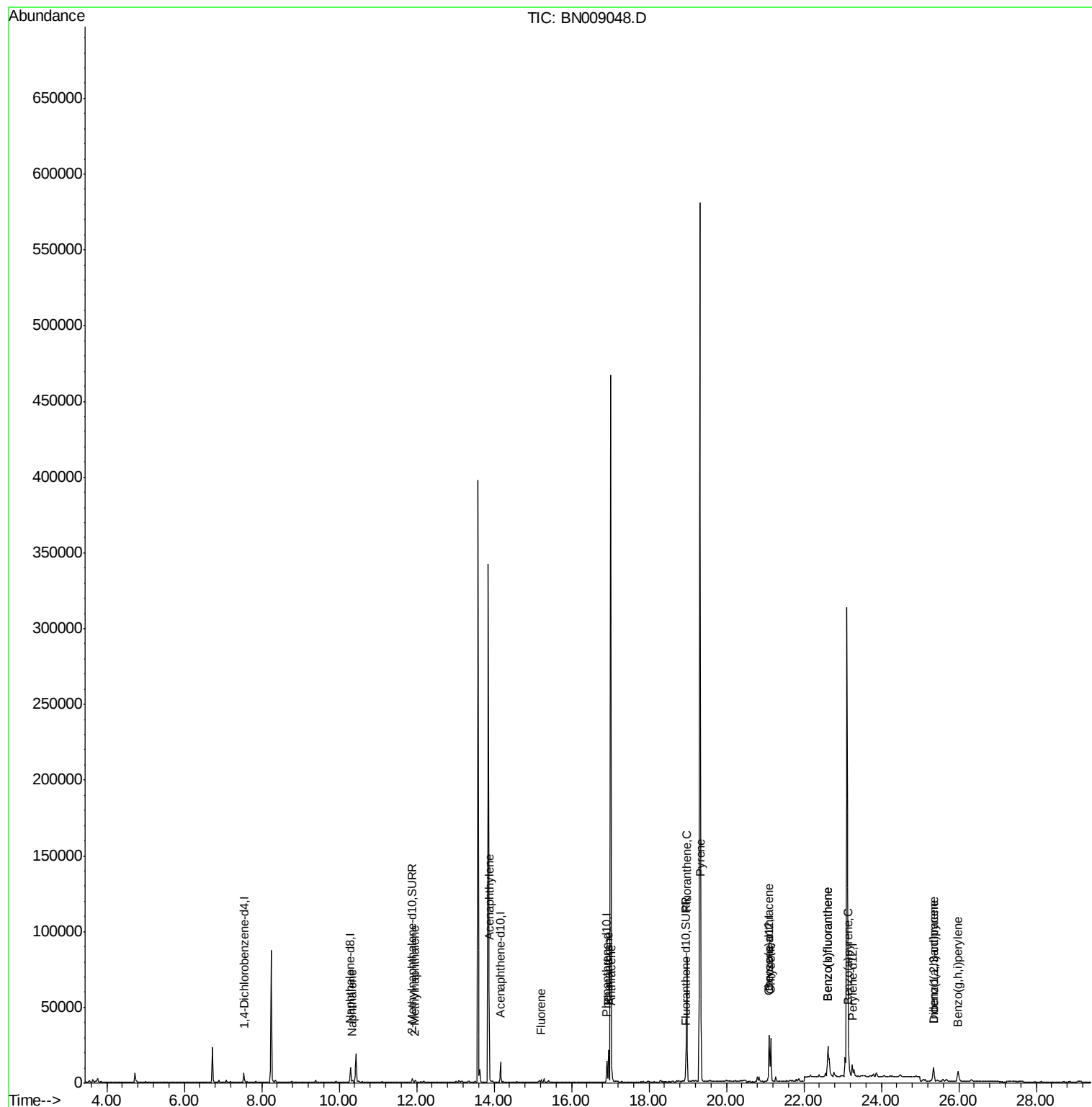
Target Compounds				Ovalue		
3) Naphthalene	10.34	128	1286	0.036	ng/ul#	86
5) 2-Methylnaphthalene	11.96	142	778	0.028	ng/ul	98
7) Acenaphthylene	13.88	152	1497	0.040	ng/ul#	87
9) Fluorene	15.22	166	1009	0.029	ng/ul#	95
12) Phenanthrene	16.95	178	22253	0.417	ng/ul	100
13) Anthracene	17.04	178	4093	0.085	ng/ul#	95
15) Fluoranthene	18.98	202	67384	1.104	ng/ul	99
17) Pyrene	19.34	202	55174	1.049	ng/ul	98
18) Benzo(a)anthracene	21.10	228	24235	0.529	ng/ul	97
19) Chrysene	21.15	228	27025	0.587	ng/ul	96
21) Benzo(b)fluoranthene	22.62	252	42080	1.021	ng/ul	96
22) Benzo(k)fluoranthene	22.62	252	42080	1.012	ng/ul	97
23) Benzo(a)pyrene	23.16	252	19154	0.530	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.35	276	12826	0.326	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.35	278	3078	0.098	ng/ul#	70
26) Benzo(a,h,i)perylene	25.98	276	12896	0.389	ng/ul	97

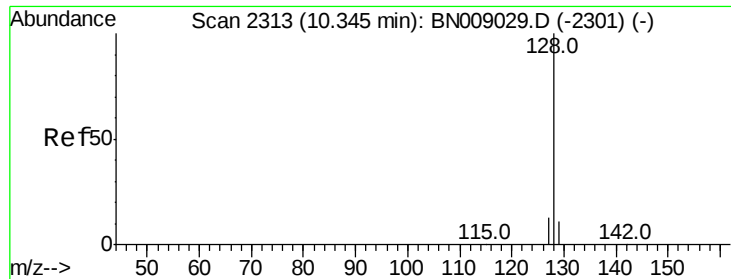
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.036 ng/ul

RT: 10.34 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

Instrument :

BNA_N

ClientSampled :

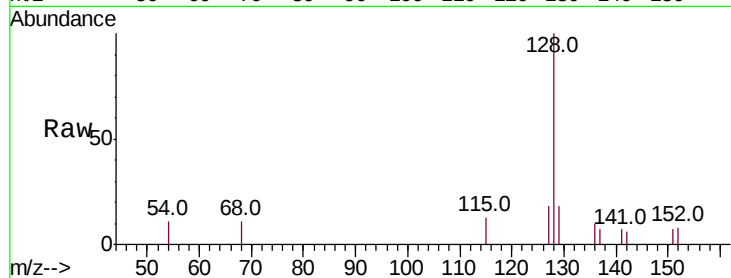
Tot Ion:128 Resp: 1286

Ion Ratio Lower Upper

128 100

129 17.9 9.0 13.4#

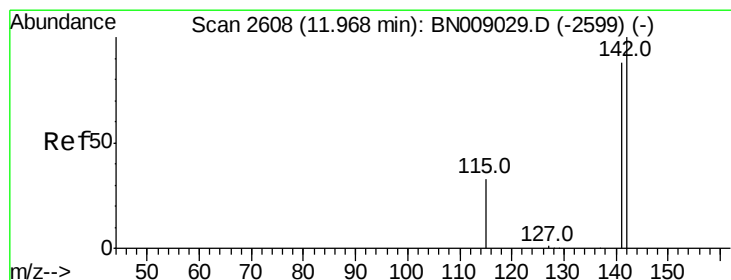
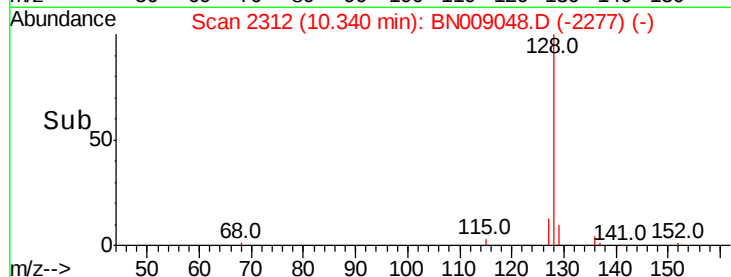
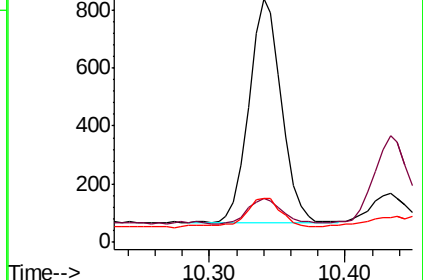
127 18.3 10.9 16.3#



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: 0.028 ng/ul

RT: 11.96 min Scan# 2607

Delta R.T. -0.01 min

Lab File: BN009048.D

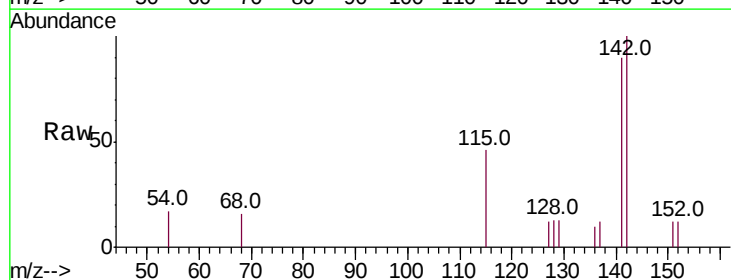
Acq: 20 Dec 2019 02:36

Tgt Ion:142 Resp: 778

Ion Ratio Lower Upper

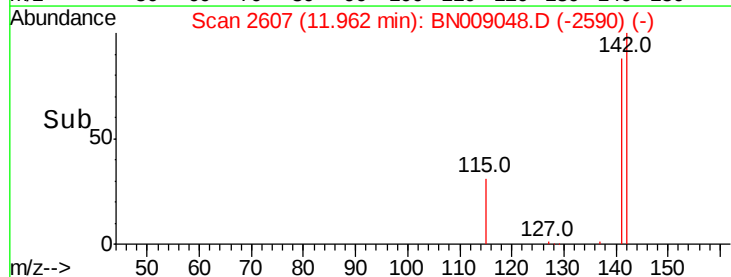
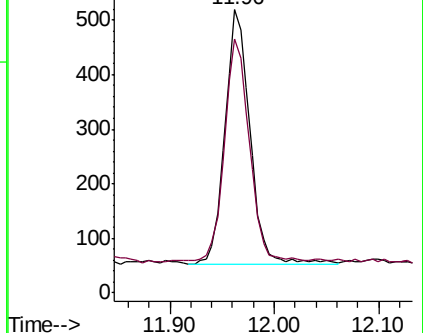
142 100

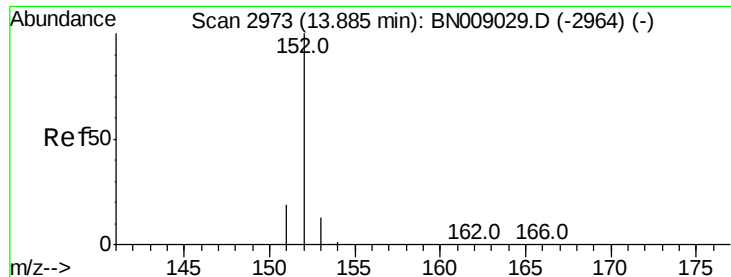
141 85.6 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.040 ng/ul

RT: 13.88 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

Instrument :

BNA_N

ClientSampleId :

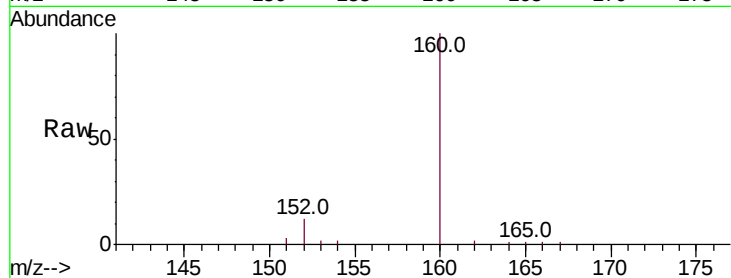
Tot Ion:152 Resp: 1497

Ion Ratio Lower Upper

152 100

151 24.0 15.7 23.5#

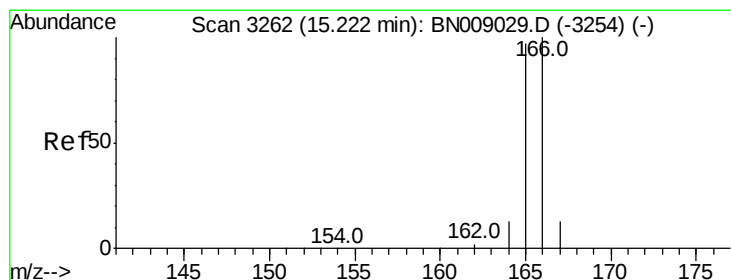
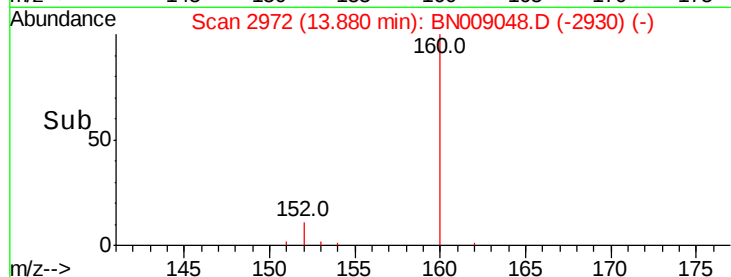
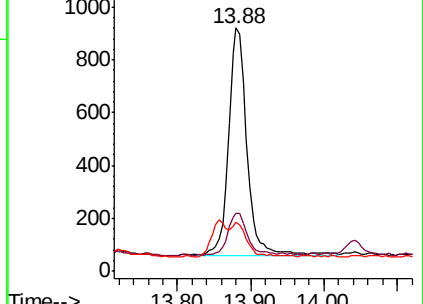
153 20.3 10.8 16.2#



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: 0.029 ng/ul

RT: 15.22 min Scan# 3262

Delta R.T. -0.00 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

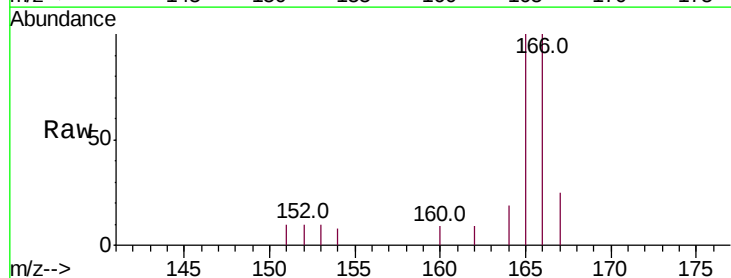
Tgt Ion:166 Resp: 1009

Ion Ratio Lower Upper

166 100

165 99.9 78.2 117.4

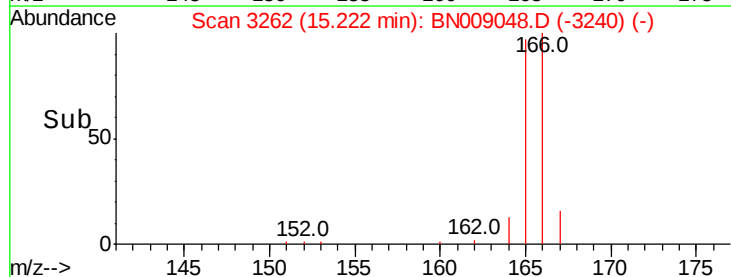
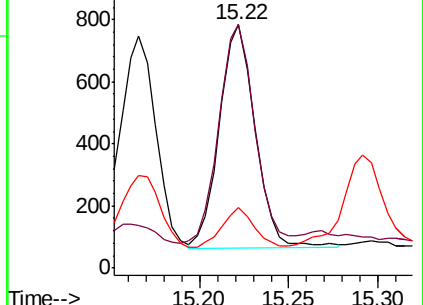
167 24.6 11.0 16.6#

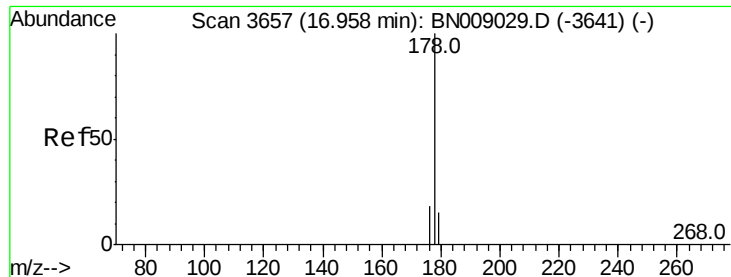


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#12

Phenanthrene

Concen: 0.417 ng/ul

RT: 16.95 min Scan# 3656

Delta R.T. -0.00 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

Instrument :

BNA_N

ClientSampleId :

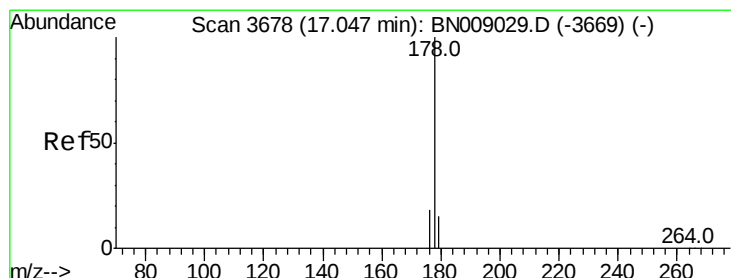
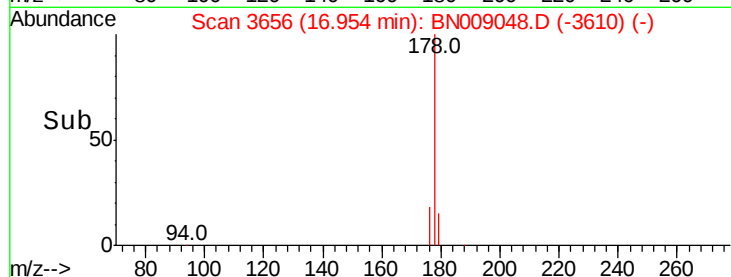
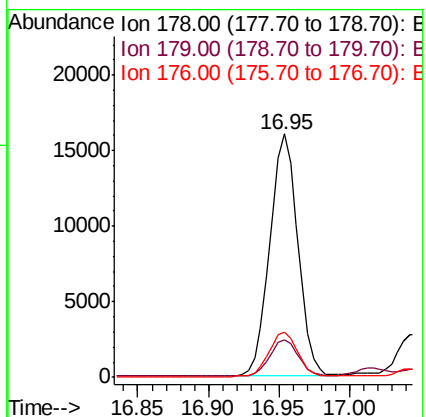
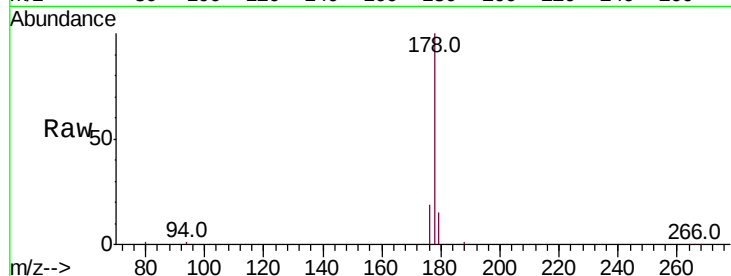
Tot Ion:178 Resp: 22253

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

176 18.8 15.1 22.7



#13

Anthracene

Concen: 0.085 ng/ul

RT: 17.04 min Scan# 3677

Delta R.T. -0.00 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

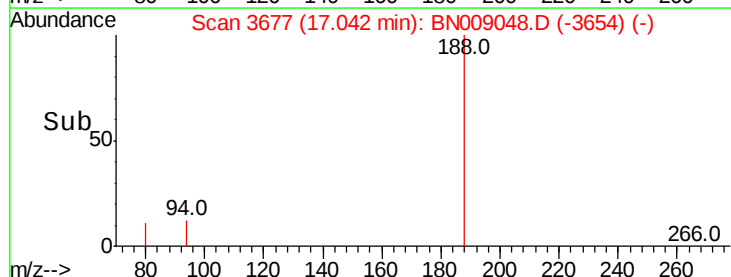
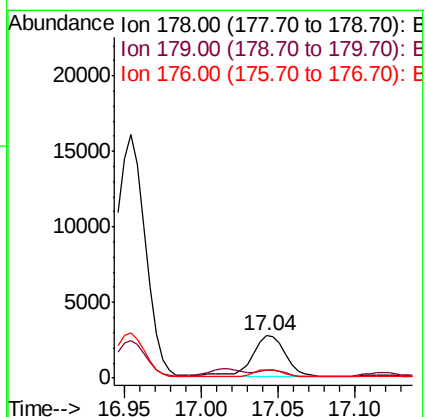
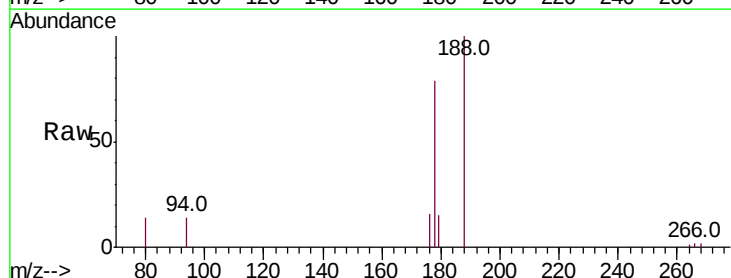
Tgt Ion:178 Resp: 4093

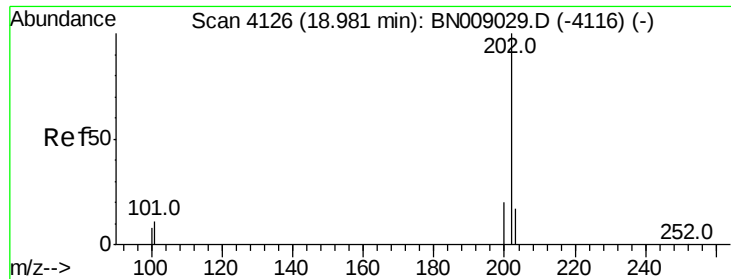
Ion Ratio Lower Upper

178 100

179 19.2 12.5 18.7#

176 19.8 14.9 22.3





#15

Fluoranthene

Concen: 1.104 ng/ul

RT: 18.98 min Scan# 4125

Delta R.T. -0.00 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

Instrument :

BNA_N

ClientSampleId :

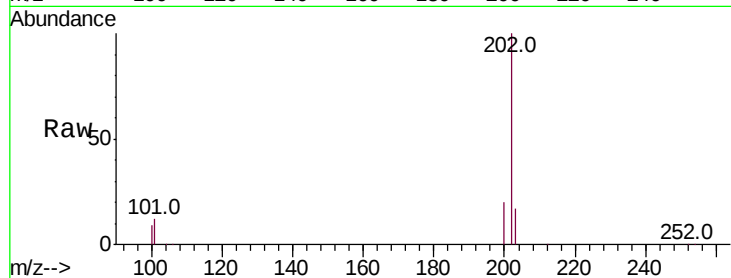
Tot Ion:202 Resp: 67384

Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.5

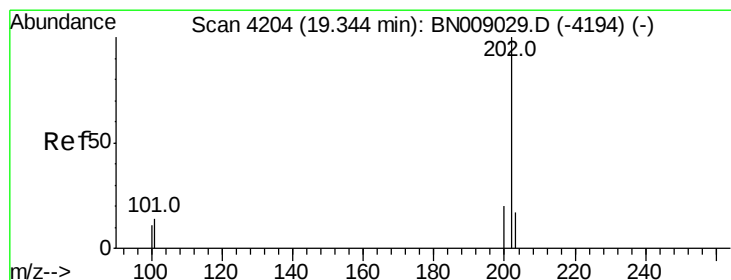
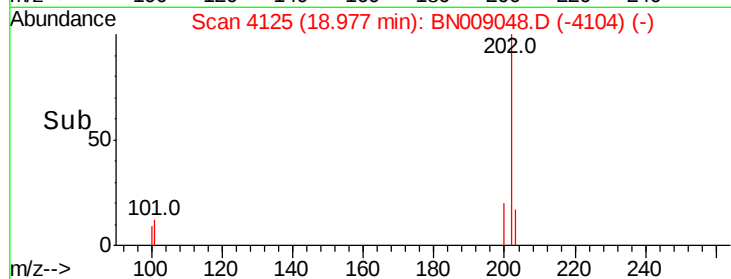
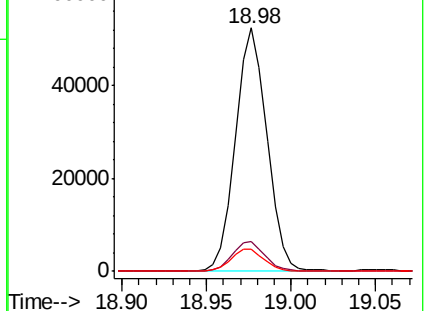
100 9.2 0.0 28.9



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: 1.049 ng/ul

RT: 19.34 min Scan# 4203

Delta R.T. -0.00 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

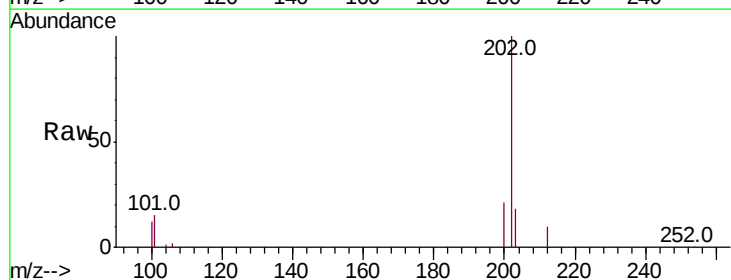
Tgt Ion:202 Resp: 55174

Ion Ratio Lower Upper

202 100

101 14.5 10.9 16.3

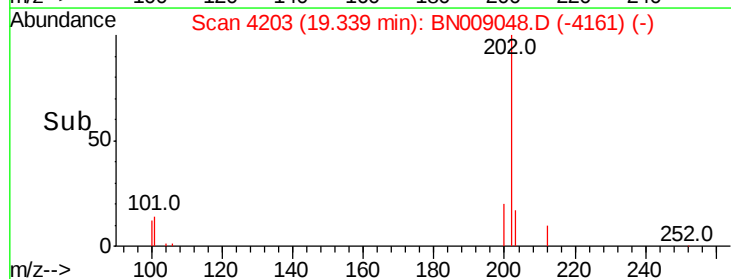
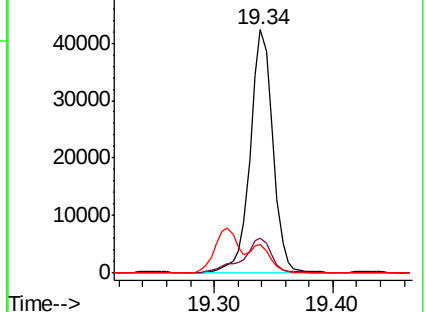
100 11.9 9.0 13.6

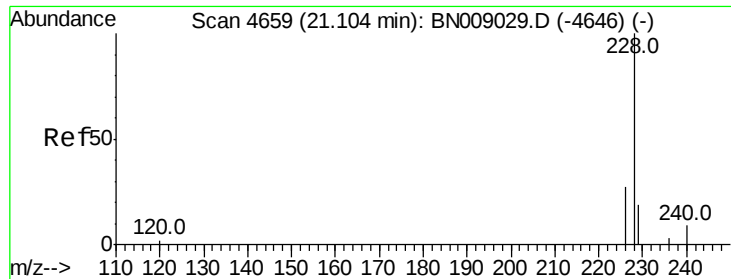


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.529 ng/ul

RT: 21.10 min Scan# 4657

Delta R.T. -0.01 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

Instrument :

BNA_N

ClientSampleId :

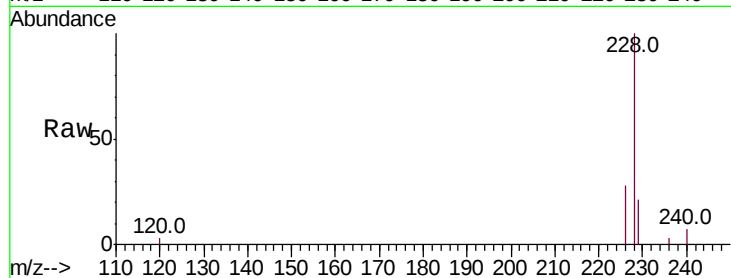
Tot Ion:228 Resp: 24235

Ion Ratio Lower Upper

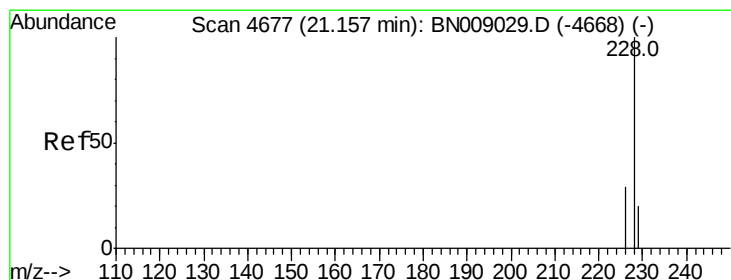
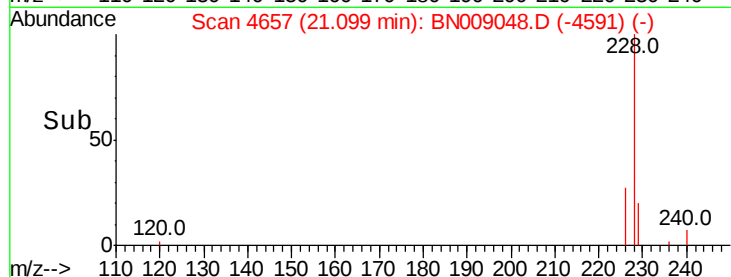
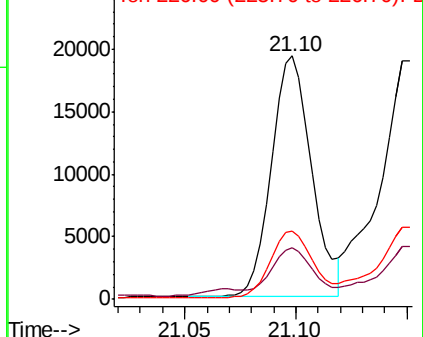
228 100

229 21.3 15.5 23.3

226 28.0 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: 0.587 ng/ul

RT: 21.15 min Scan# 4674

Delta R.T. -0.01 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

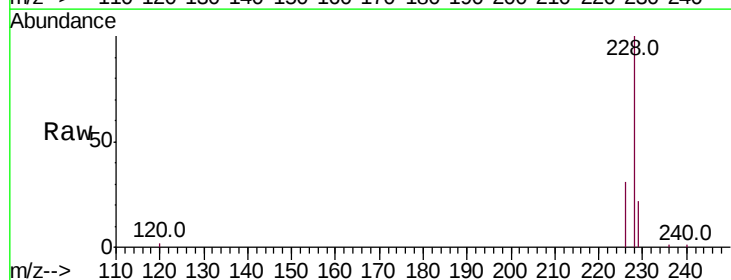
Tgt Ion:228 Resp: 27025

Ion Ratio Lower Upper

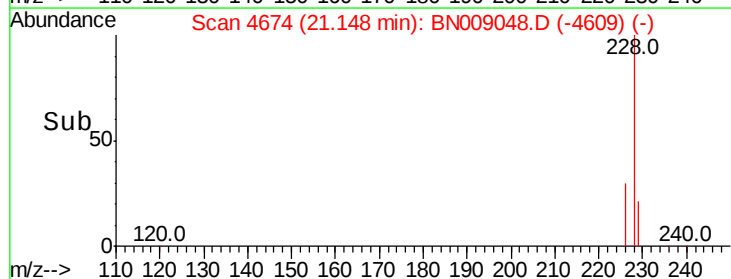
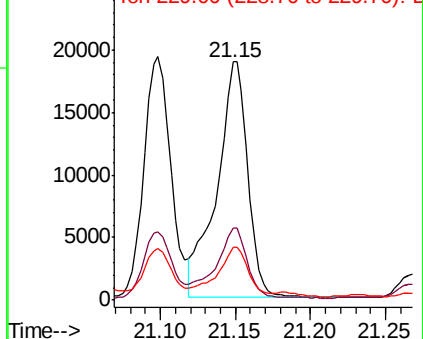
228 100

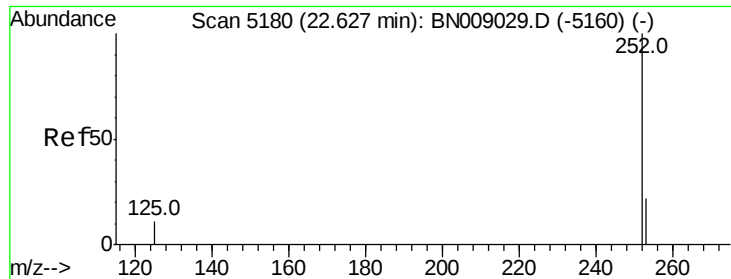
226 30.5 23.7 35.5

229 22.2 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: 1.021 ng/ul

RT: 22.62 min Scan# 5178

Delta R.T. -0.01 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

Instrument :

BNA_N

ClientSampleId :

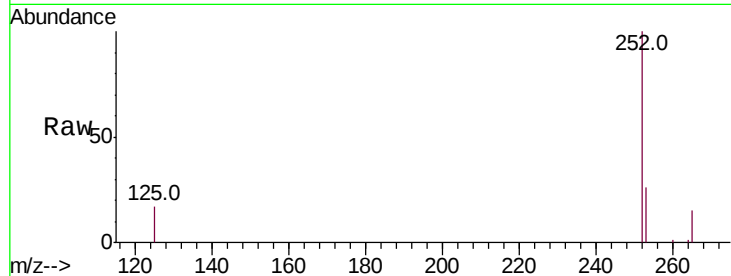
Tot Ion:252 Resp: 42080

Ion Ratio Lower Upper

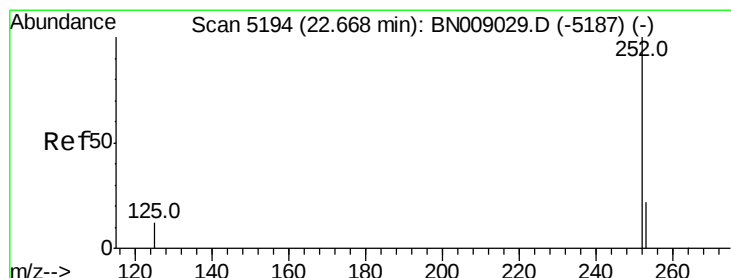
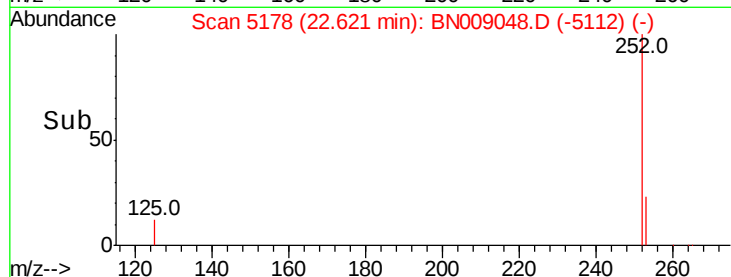
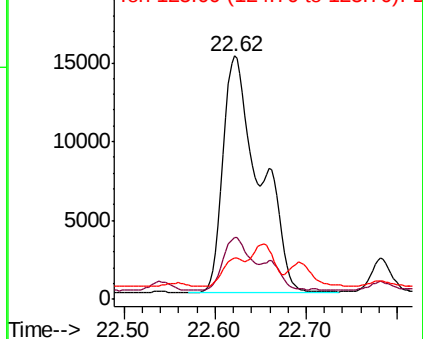
252 100

253 25.6 0.0 48.2

125 16.9 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: 1.012 ng/ul

RT: 22.62 min Scan# 5178

Delta R.T. -0.05 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

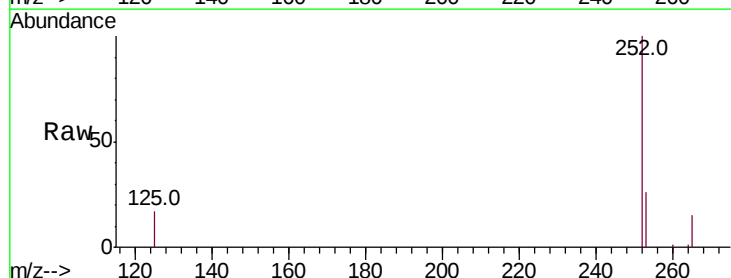
Tgt Ion:252 Resp: 42080

Ion Ratio Lower Upper

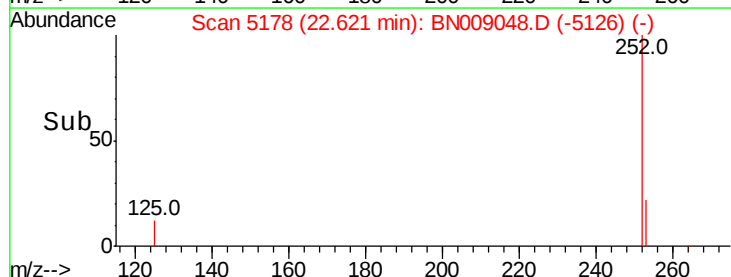
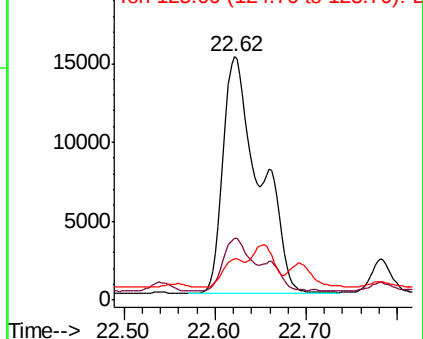
252 100

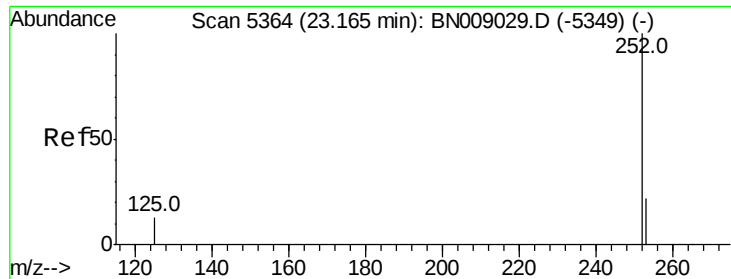
253 25.6 19.4 29.0

125 16.9 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: 0.530 ng/ul

RT: 23.16 min Scan# 5362

Delta R.T. -0.01 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

Instrument :

BNA_N

ClientSampleId :

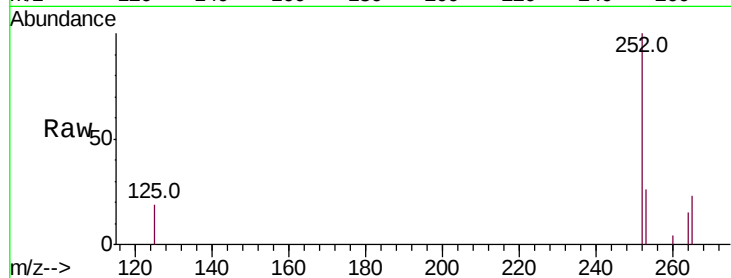
Tot Ion:252 Resp: 19154

Ion Ratio Lower Upper

252 100

253 26.3 20.2 30.4

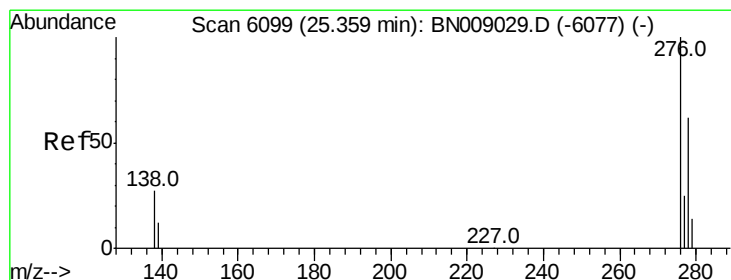
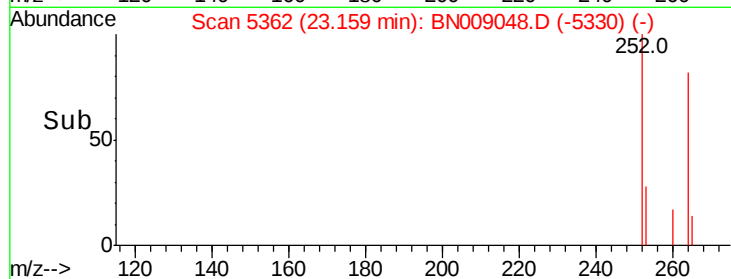
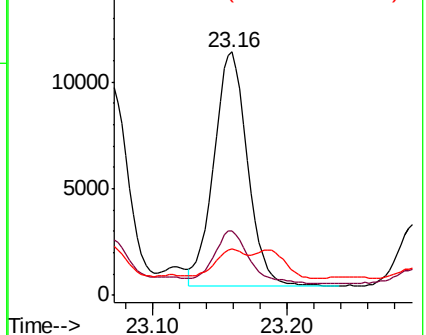
125 18.9 13.2 19.8



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: 0.326 ng/ul

RT: 25.35 min Scan# 6095

Delta R.T. -0.01 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

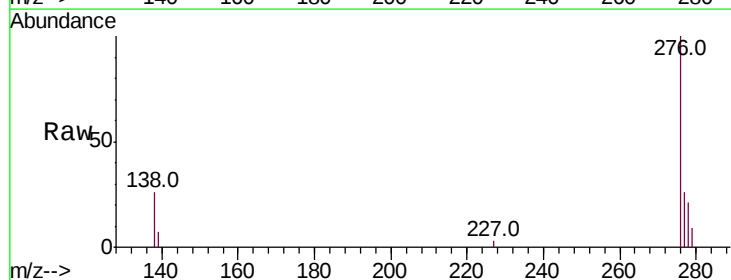
Tgt Ion:276 Resp: 12826

Ion Ratio Lower Upper

276 100

138 24.0 22.4 33.6

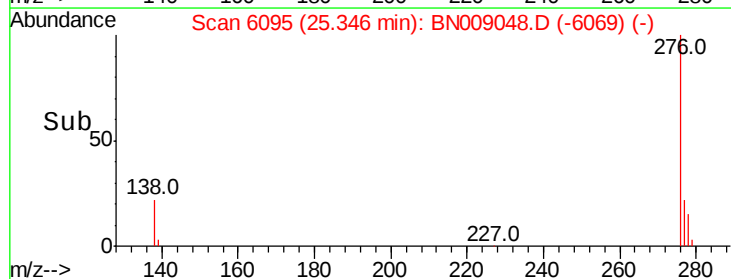
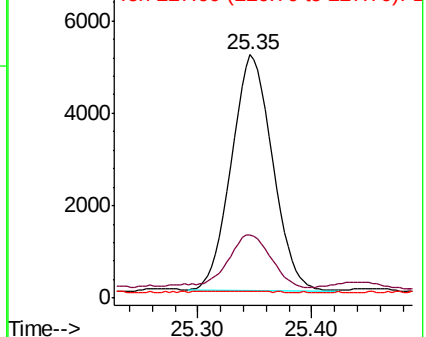
227 0.4 0.2 0.4#

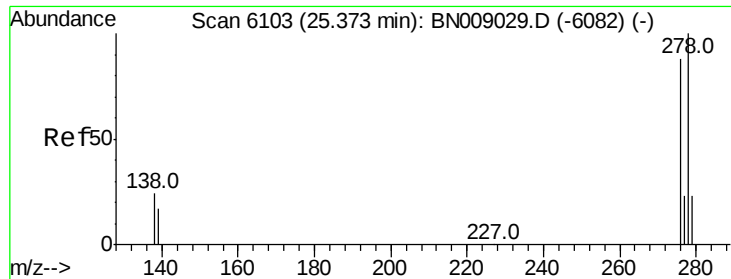


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.098 ng/ul

RT: 25.35 min Scan# 6097

Delta R.T. -0.02 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

Instrument :

BNA_N

ClientSampleId :

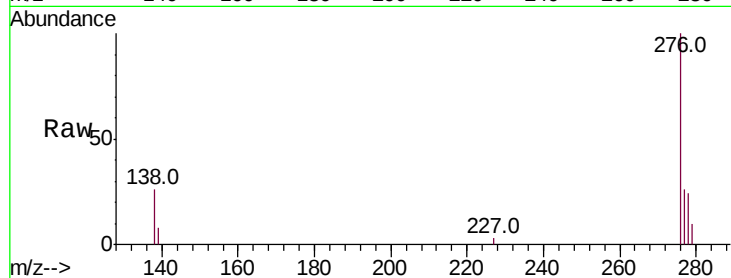
Tot Ion:278 Resp: 3078

Ion Ratio Lower Upper

278 100

139 34.3 16.2 24.2#

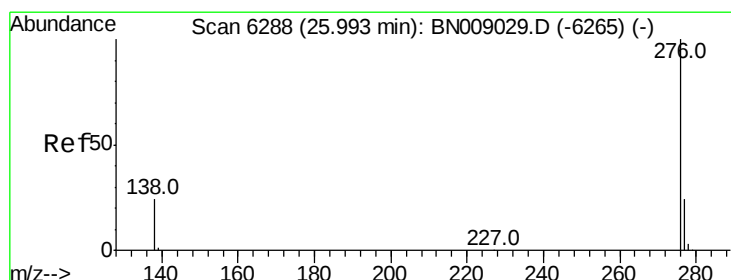
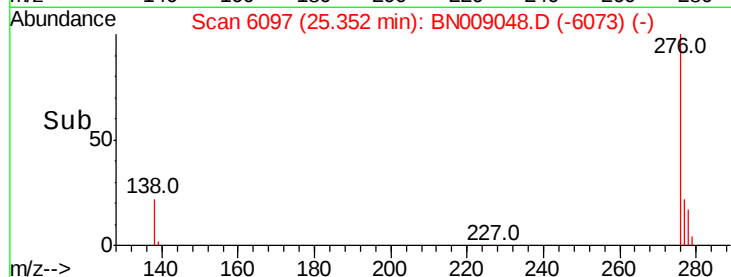
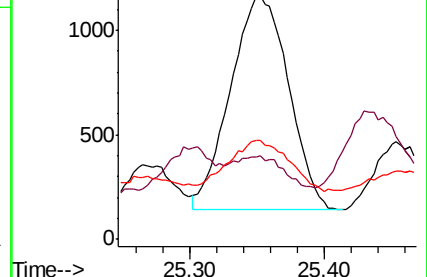
279 40.6 20.3 30.5#



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: 0.389 ng/ul

RT: 25.98 min Scan# 6285

Delta R.T. -0.01 min

Lab File: BN009048.D

Acq: 20 Dec 2019 02:36

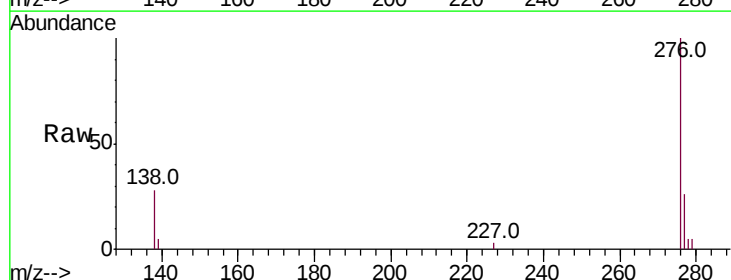
Tgt Ion:276 Resp: 12896

Ion Ratio Lower Upper

276 100

138 27.6 20.6 30.8

277 25.7 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

