

Data File : BN008981.D
Acq On : 13 Dec 2019 23:46
Operator : JU
Sample : K4649-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A5167

Quant Time: Dec 14 02:36:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 13 23:22:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	3092	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	13492	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.18	164	8783	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.92	188	20564	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	17876	0.40	ng/ul	0.00
20) Perylene-d12	23.27	264	16445	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.90	152	4351	0.20	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	13548	0.22	ng/ul	0.00

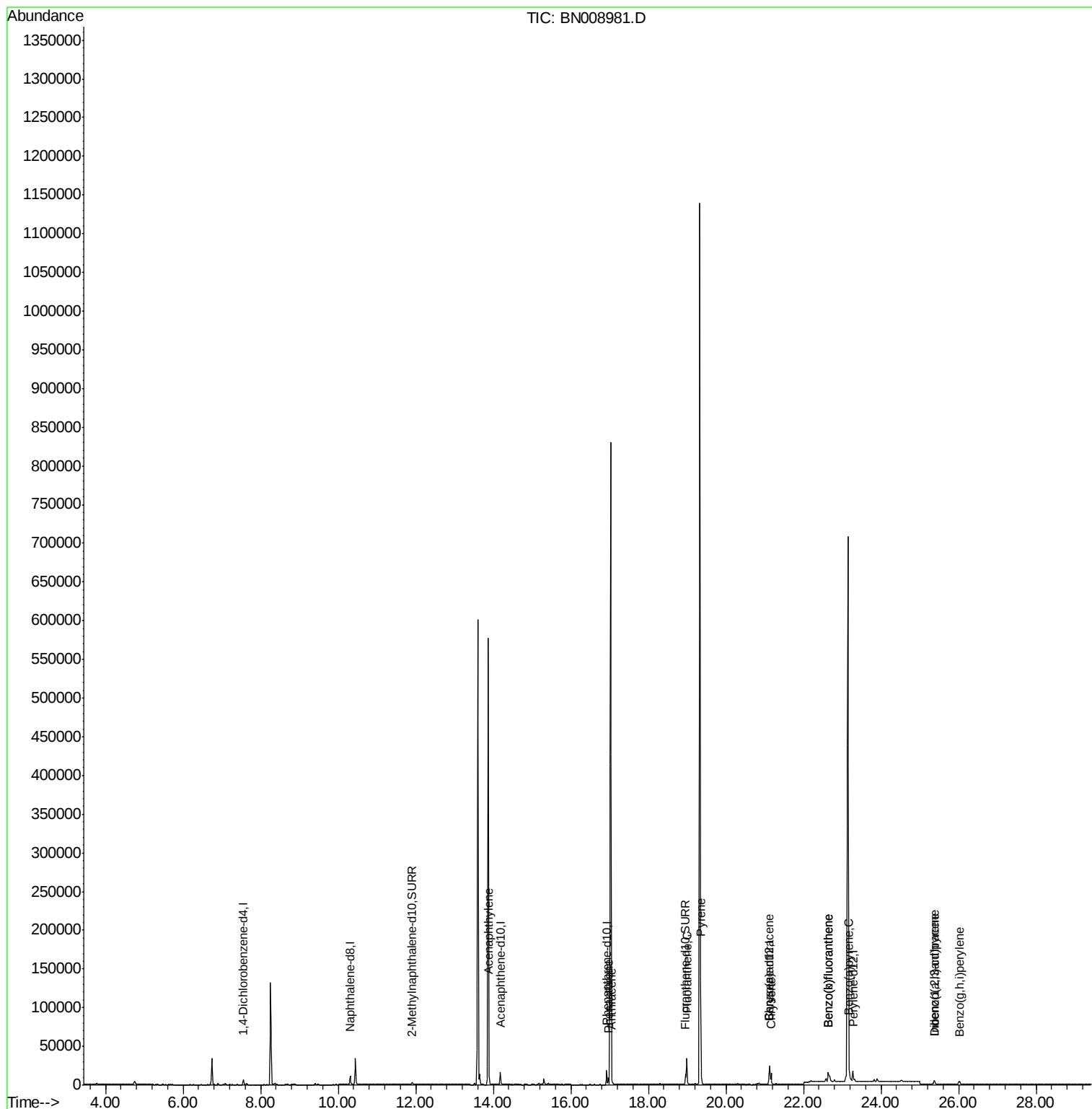
Target Compounds				Qvalue		
7) Acenaphthylene	13.89	152	2040	0.042	ng/ul#	93
12) Phenanthrene	16.97	178	9192	0.133	ng/ul	98
13) Anthracene	17.06	178	1823	0.028	ng/ul#	90
15) Fluoranthene	18.99	202	28938	0.340	ng/ul	100
17) Pyrene	19.35	202	27304	0.381	ng/ul	98
18) Benzo(a)anthracene	21.11	228	12022	0.167	ng/ul	96
19) Chrysene	21.16	228	14102	0.200	ng/ul	98
21) Benzo(b)fluoranthene	22.64	252	24684	0.364	ng/ul	95
22) Benzo(k)fluoranthene	22.64	252	24684	0.367	ng/ul	96
23) Benzo(a)pyrene	23.18	252	11479	0.180	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.38	276	7570	0.102	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.38	278	1726	0.029	ng/ul#	54
26) Benzo(g,h,i)perylene	26.02	276	7383	0.119	ng/ul	97

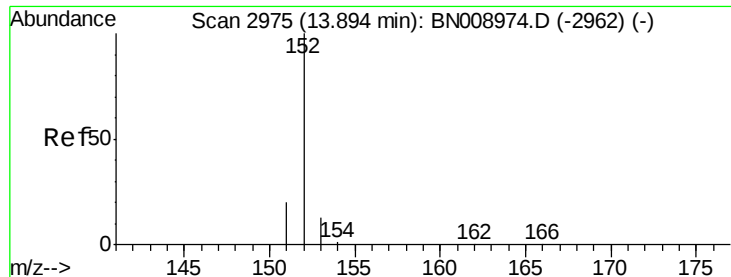
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.042 ng/ul

RT: 13.89 min Scan# 2975

Delta R.T. 0.00 min

Lab File: BN008981.D

Acq: 13 Dec 2019 23:46

Instrument :

BNA_N

ClientSampleId :

A5167

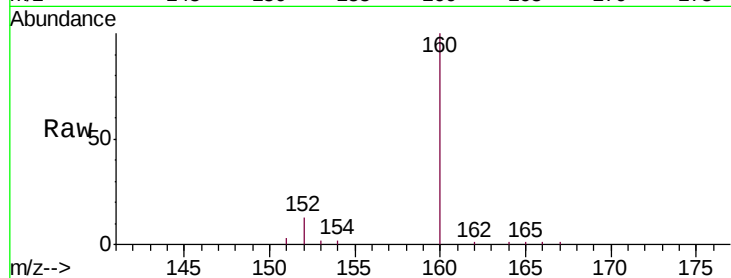
Tgt Ion:152 Resp: 2040

Ion Ratio Lower Upper

152 100

151 21.8 15.8 23.6

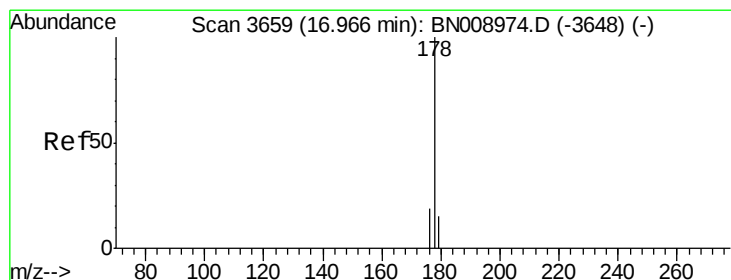
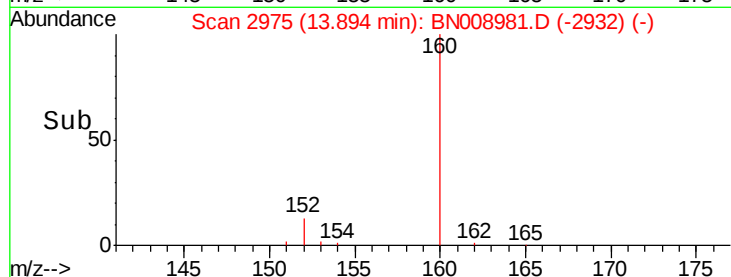
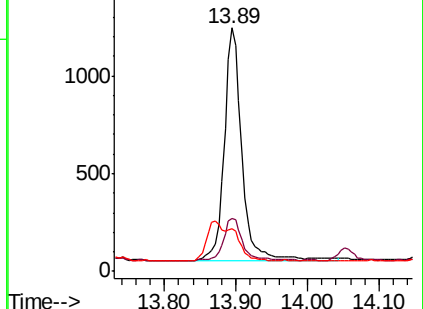
153 17.3 10.6 15.8#



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



#12

Phenanthrene

Concen: 0.133 ng/ul

RT: 16.97 min Scan# 3659

Delta R.T. 0.00 min

Lab File: BN008981.D

Acq: 13 Dec 2019 23:46

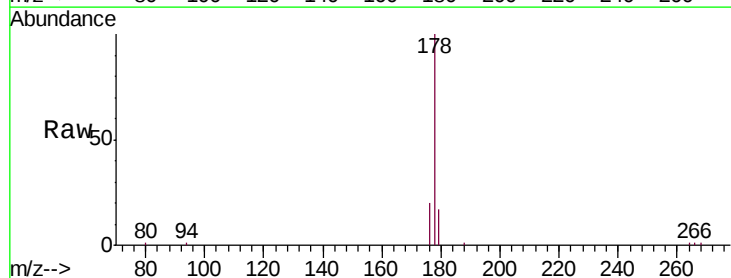
Tgt Ion:178 Resp: 9192

Ion Ratio Lower Upper

178 100

179 16.7 12.6 18.8

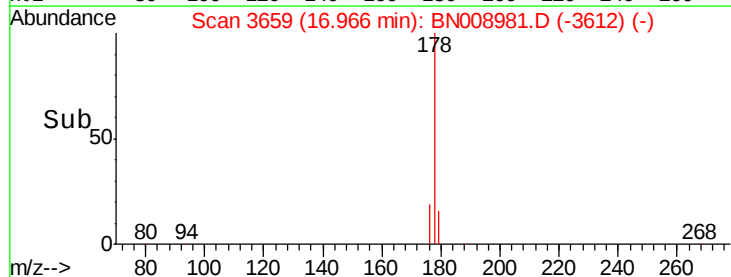
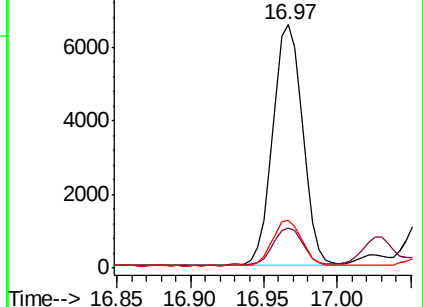
176 19.6 15.3 22.9

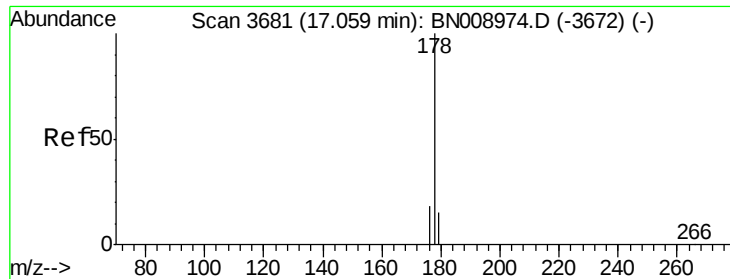


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.028 ng/ul

RT: 17.06 min Scan# 3681

Delta R.T. 0.00 min

Lab File: BN008981.D

Acq: 13 Dec 2019 23:46

Instrument :

BNA_N

ClientSampleId :

A5167

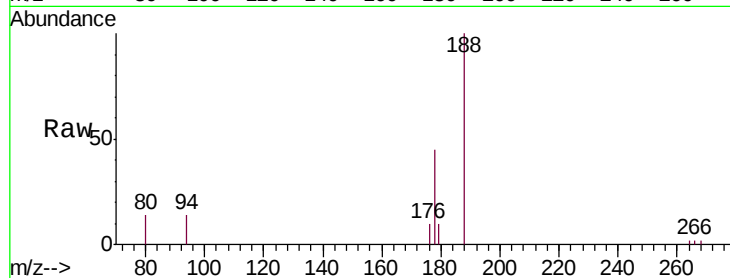
Tgt Ion:178 Resp: 1823

Ion Ratio Lower Upper

178 100

179 21.2 12.2 18.4#

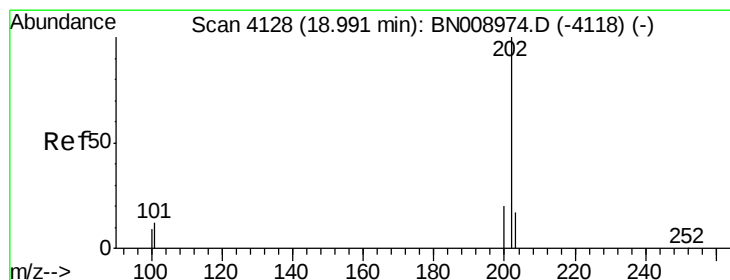
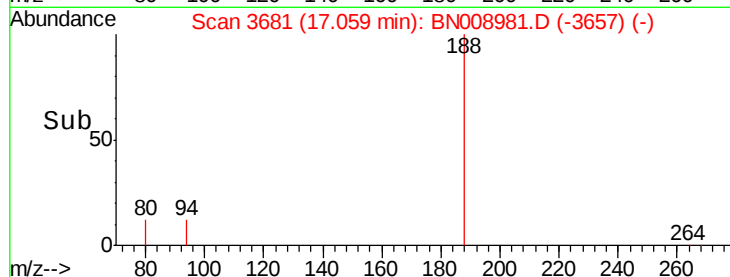
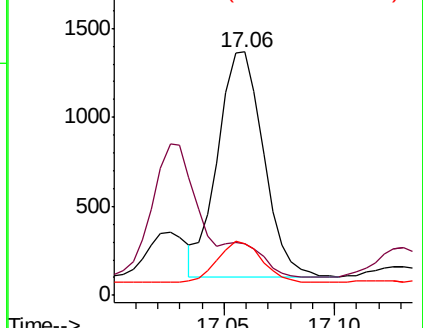
176 21.0 14.7 22.1



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: 0.340 ng/ul

RT: 18.99 min Scan# 4128

Delta R.T. 0.00 min

Lab File: BN008981.D

Acq: 13 Dec 2019 23:46

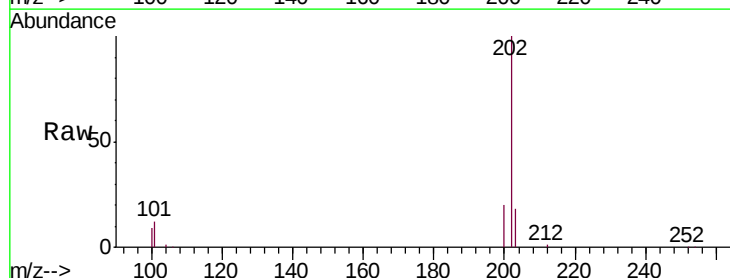
Tgt Ion:202 Resp: 28938

Ion Ratio Lower Upper

202 100

101 12.2 0.0 32.4

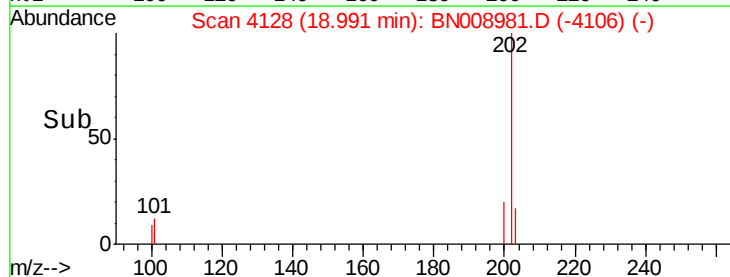
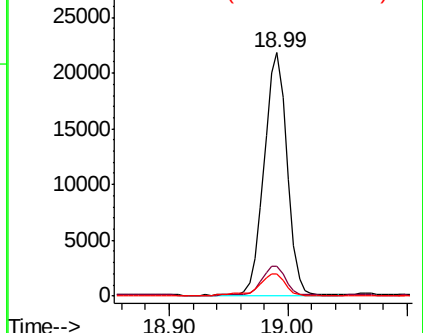
100 9.1 0.0 29.2

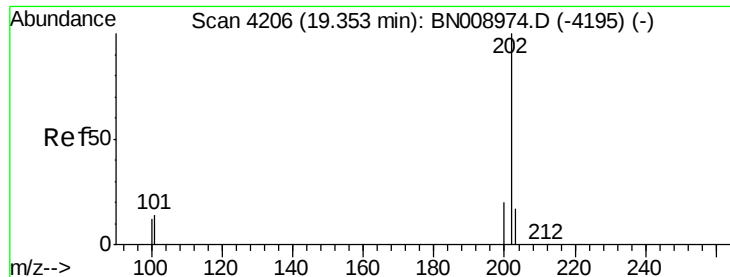


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pyrene

Concen: 0.381 ng/ul

RT: 19.35 min Scan# 4206

Delta R.T. 0.00 min

Lab File: BN008981.D

Acq: 13 Dec 2019 23:46

Instrument :

BNA_N

ClientSampleId :

A5167

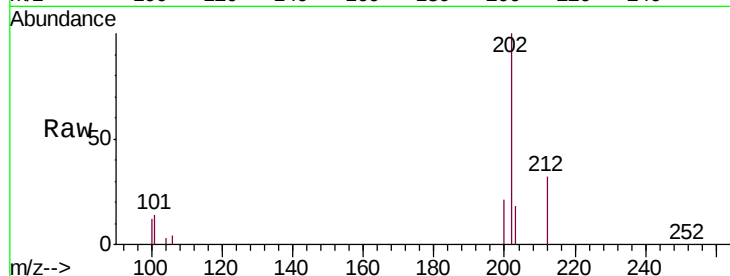
Tgt Ion:202 Resp: 27304

Ion Ratio Lower Upper

202 100

101 14.4 12.2 18.4

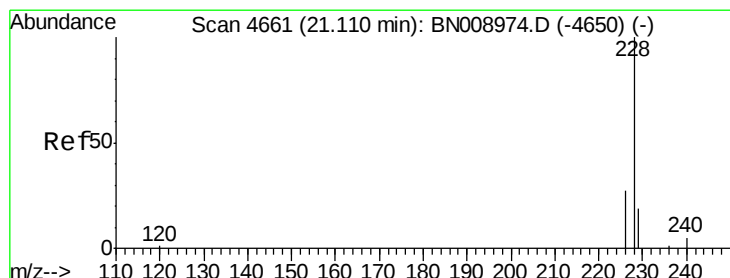
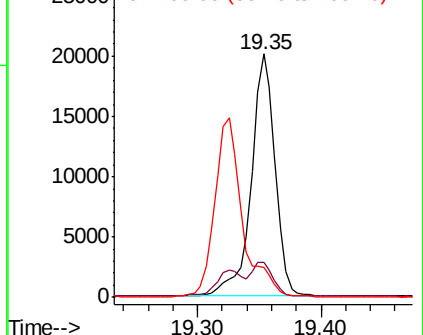
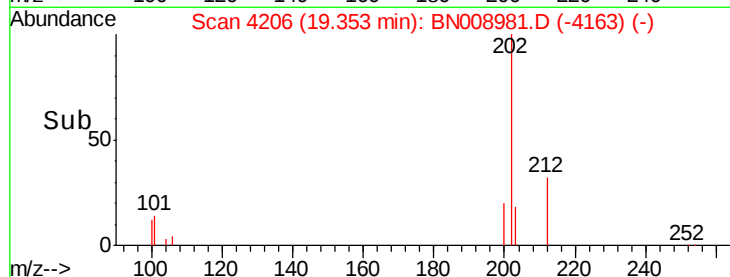
100 12.2 9.5 14.3



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: 0.167 ng/ul

RT: 21.11 min Scan# 4662

Delta R.T. 0.00 min

Lab File: BN008981.D

Acq: 13 Dec 2019 23:46

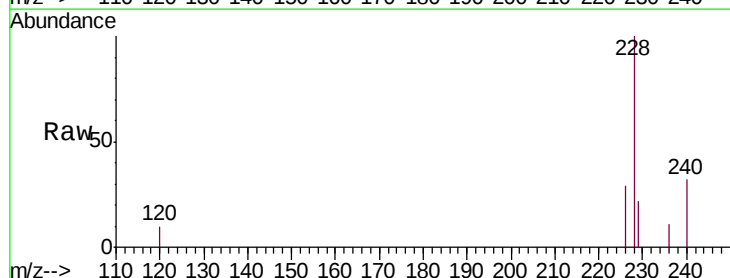
Tgt Ion:228 Resp: 12022

Ion Ratio Lower Upper

228 100

229 21.7 15.7 23.5

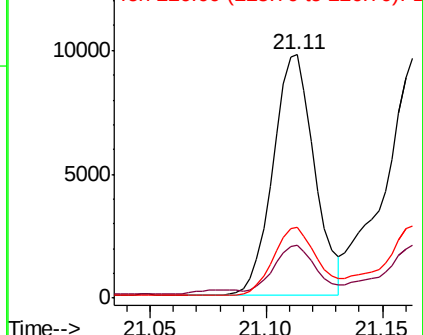
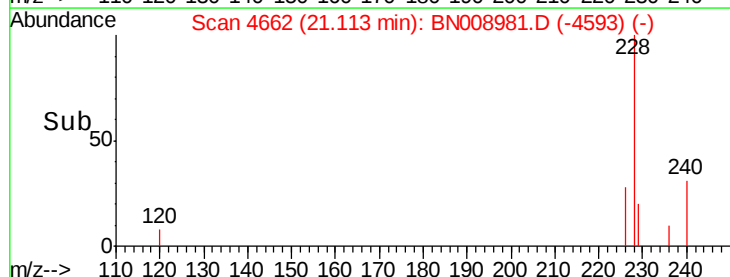
226 29.1 21.5 32.3

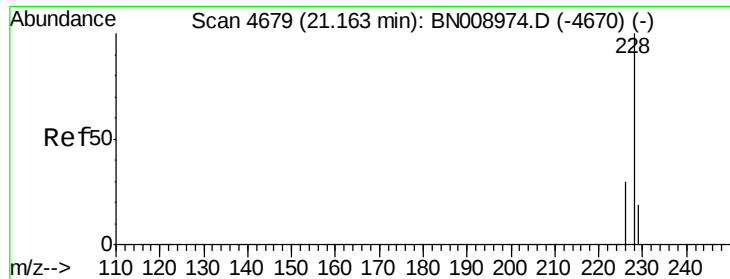


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.200 ng/ul

RT: 21.16 min Scan# 4679

Delta R.T. 0.00 min

Lab File: BN008981.D

Acq: 13 Dec 2019 23:46

Instrument :

BNA_N

ClientSampleId :

A5167

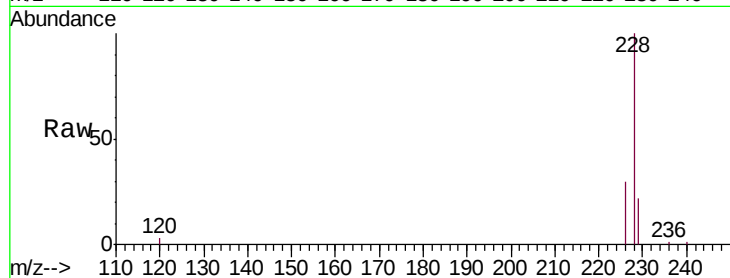
Tgt Ion:228 Resp: 14102

Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.6

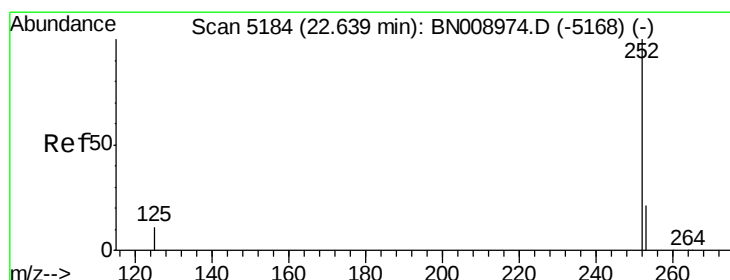
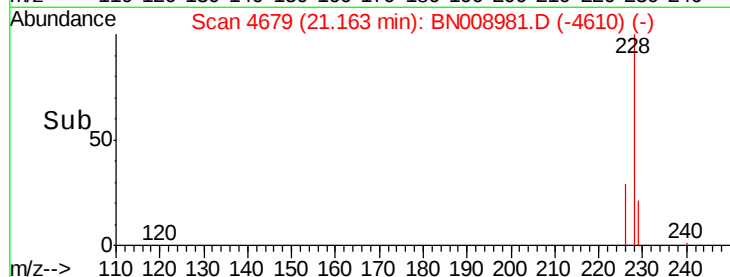
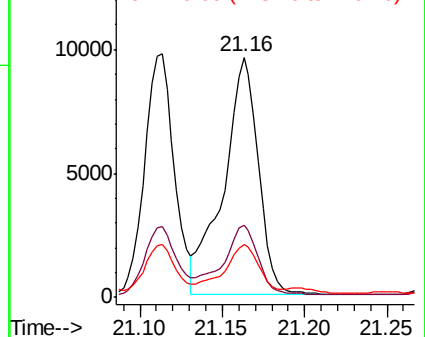
229 21.8 15.6 23.4



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: 0.364 ng/ul

RT: 22.64 min Scan# 5184

Delta R.T. 0.00 min

Lab File: BN008981.D

Acq: 13 Dec 2019 23:46

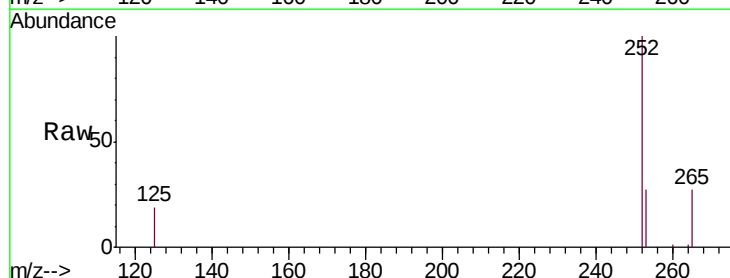
Tgt Ion:252 Resp: 24684

Ion Ratio Lower Upper

252 100

253 26.5 0.0 48.6

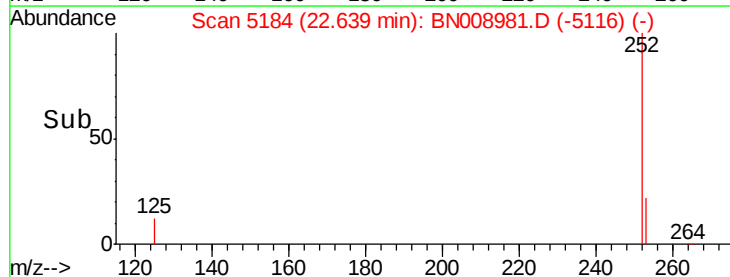
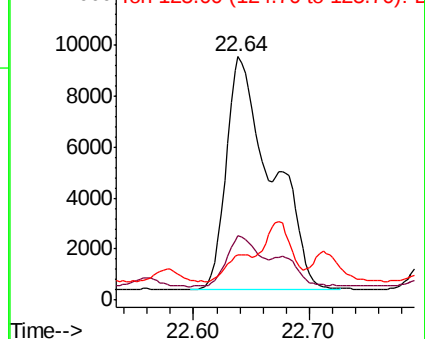
125 18.8 0.0 31.6

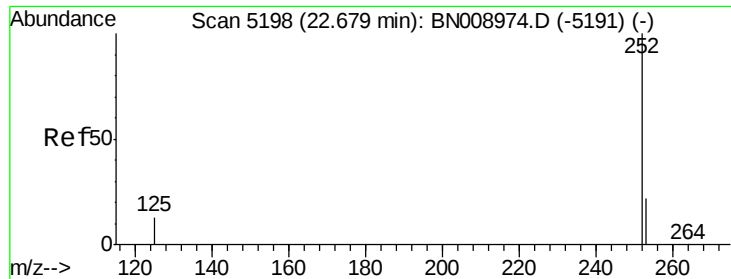


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.367 ng/ul

RT: 22.64 min Scan# 5184

Delta R.T. -0.04 min

Lab File: BN008981.D

Acq: 13 Dec 2019 23:46

Instrument :

BNA_N

ClientSampleId :

A5167

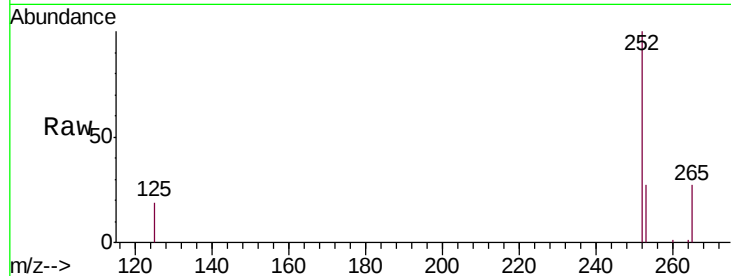
Tgt Ion:252 Resp: 24684

Ion Ratio Lower Upper

252 100

253 26.5 19.6 29.4

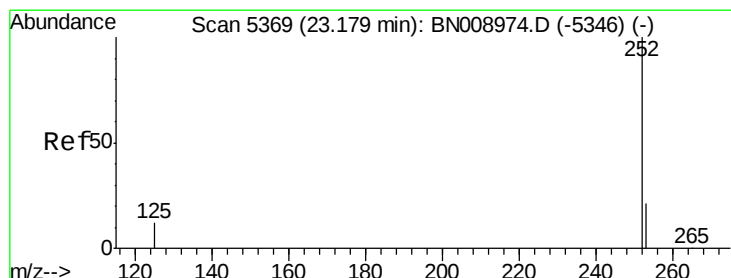
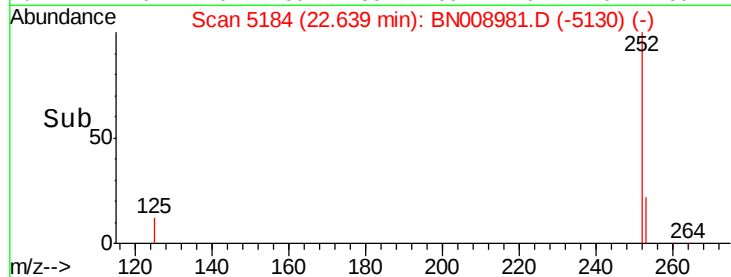
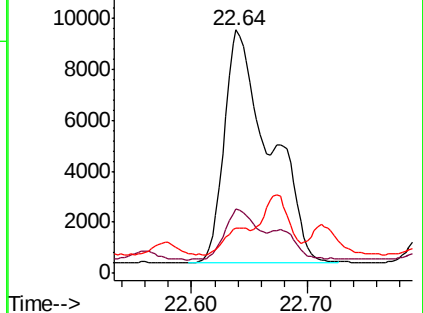
125 18.8 13.8 20.6



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: 0.180 ng/ul

RT: 23.18 min Scan# 5369

Delta R.T. 0.00 min

Lab File: BN008981.D

Acq: 13 Dec 2019 23:46

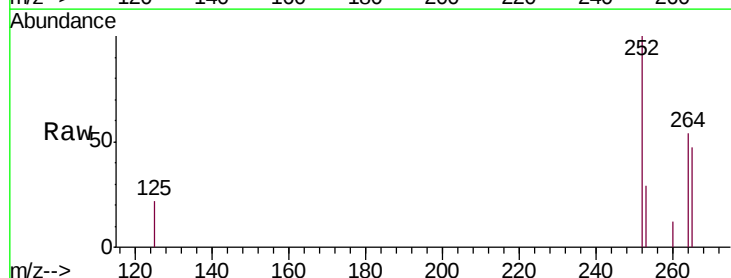
Tgt Ion:252 Resp: 11479

Ion Ratio Lower Upper

252 100

253 28.5 19.9 29.9

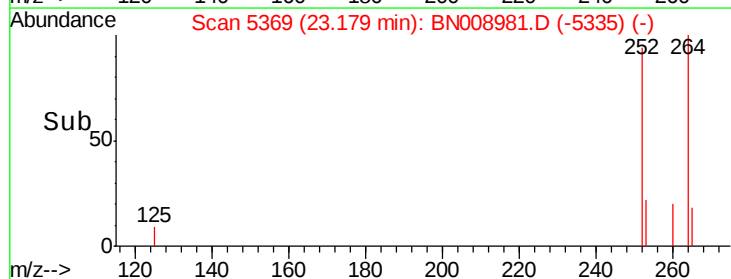
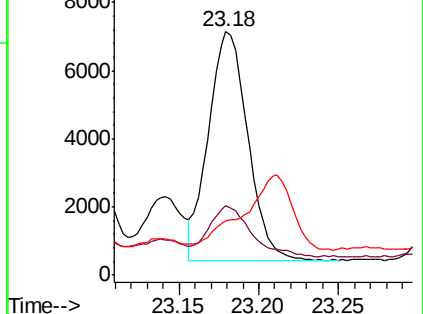
125 22.3 14.6 22.0#

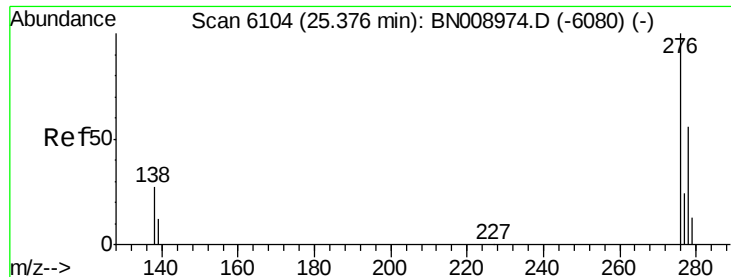


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.102 ng/u1

RT: 25.38 min Scan# 6104

Delta R.T. 0.00 min

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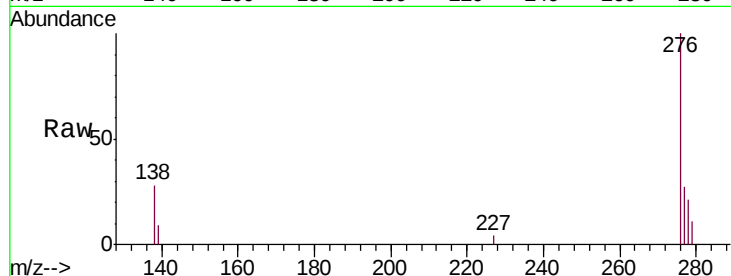
Tgt Ion:276 Resp: 7570

Ion Ratio Lower Upper

276 100

138 28.7 23.8 35.6

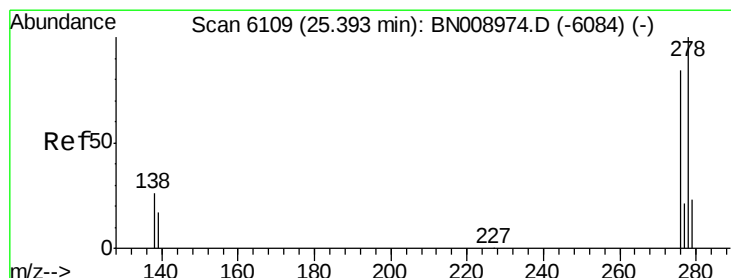
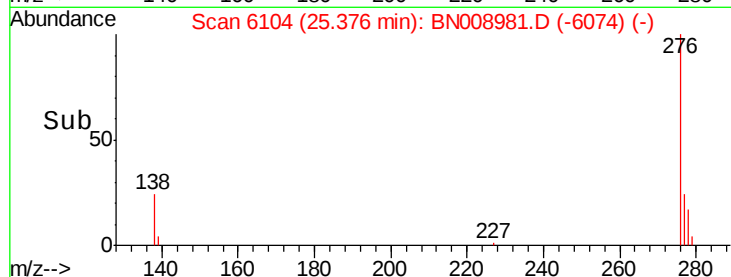
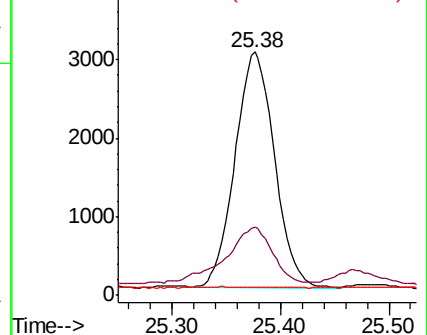
227 0.0 0.2 0.2#



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: 0.029 ng/u1

RT: 25.38 min Scan# 6106

Delta R.T. -0.01 min

Lab File: BN008981.D

Acq: 13 Dec 2019 23:46

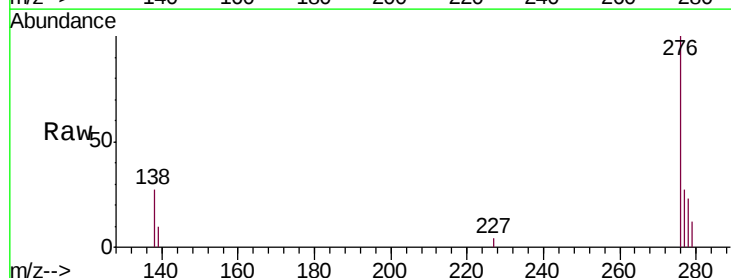
Tgt Ion:278 Resp: 1726

Ion Ratio Lower Upper

278 100

139 41.1 17.4 26.0#

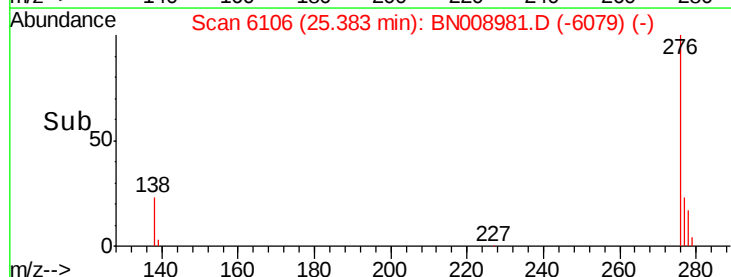
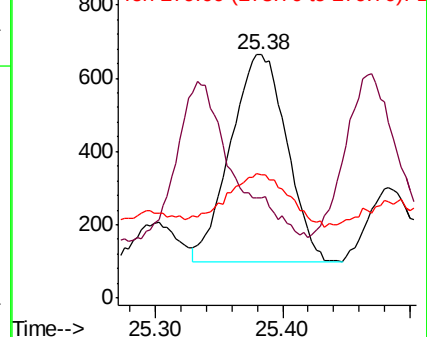
279 50.9 20.5 30.7#

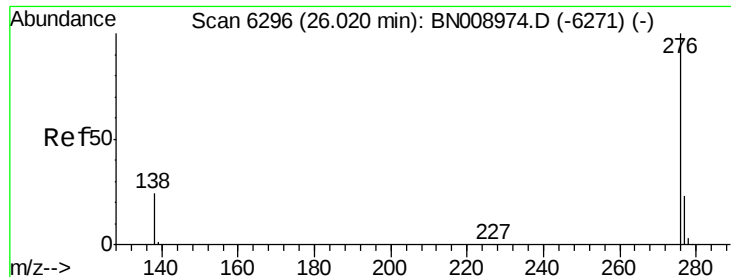


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.119 ng/ul

RT: 26.02 min Scan# 6295

Delta R.T. -0.00 min

Lab File: BN008981.D

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A5167

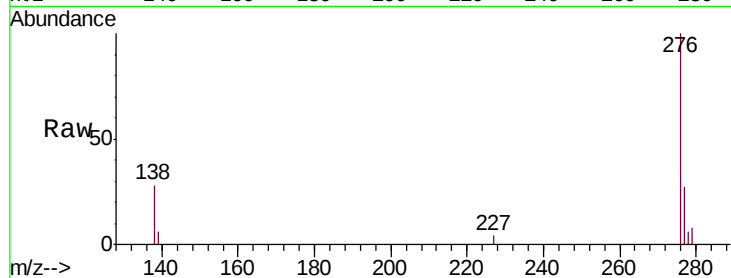
Tgt Ion: 276 Resp: 7383

Ion Ratio Lower Upper

276 100

138 27.8 21.9 32.9

277 27.2 19.9 29.9



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

