

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080719\
 Data File : BN007034.D
 Acq On : 08 Aug 2019 20:16
 Operator : HP/JU
 Sample : K3962-04DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 09 02:04:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN080719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 17:30:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	7943	0.40	ng/ul	0.00
2) Naphthalene-d8	10.23	136	31569	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.11	164	19234	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.86	188	48335	0.40	ng/ul	0.00
16) Chrysene-d12	21.07	240	35063	0.40	ng/ul	0.00
20) Perylene-d12	23.20	264	31924	0.40	ng/ul	-0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.83	152	2283	0.04	ng/ul	0.00
14) Fluoranthene-d10	18.90	212	7833	0.05	ng/ul	0.00

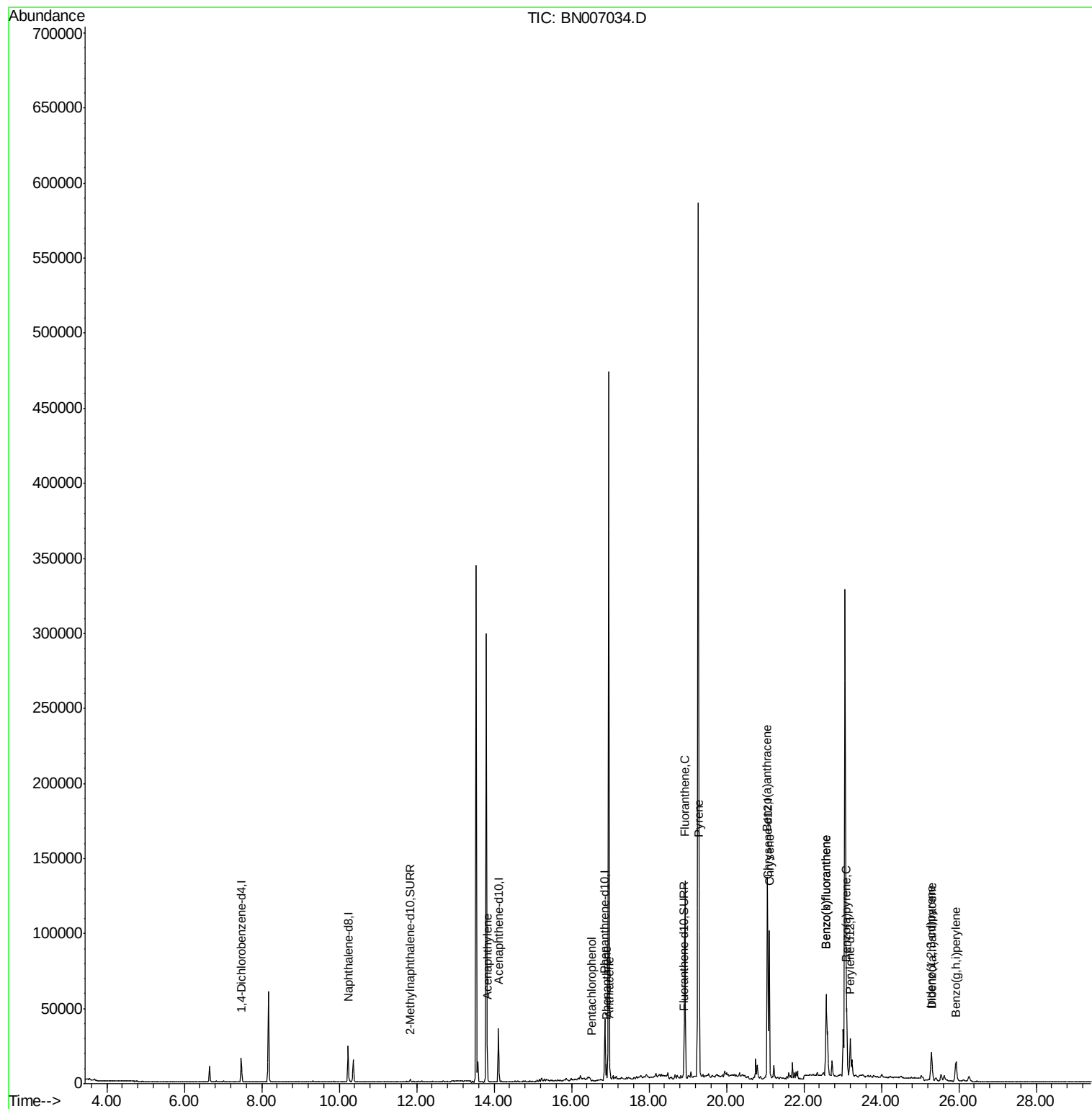
Target Compounds				Ovalue		
7) Acenaphthylene	13.83	152	5678	0.051	ng/ul	95
11) Pentachlorophenol	16.51	266	398	0.030	ng/ul#	80
12) Phenanthrene	16.90	178	10689	0.069	ng/ul#	92
13) Anthracene	16.99	178	6199	0.039	ng/ul#	85
15) Fluoranthene	18.93	202	115493	0.603	ng/ul	99
17) Pyrene	19.29	202	110561	0.706	ng/ul	98
18) Benzo(a)anthracene	21.05	228	107728	0.699	ng/ul	98
19) Chrysene	21.10	228	94548	0.656	ng/ul	98
21) Benzo(b)fluoranthene	22.57	252	118545	0.916	ng/ul	96
22) Benzo(k)fluoranthene	22.57	252	118545	0.945	ng/ul#	97
23) Benzo(a)pyrene	23.11	252	58754	0.482	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.29	276	28726	0.219	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.30	278	8211	0.078	ng/ul#	78
26) Benzo(g,h,i)perylene	25.93	276	26940	0.245	ng/ul	98

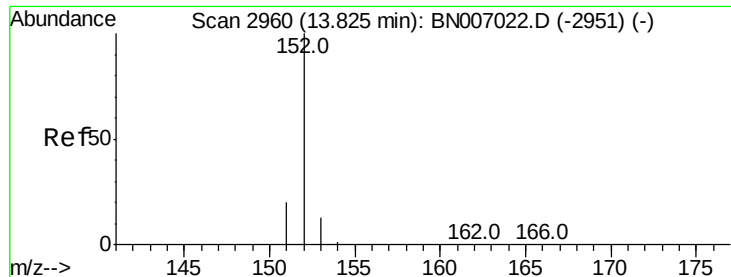
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.051 ng/ul

RT: 13.83 min Scan# 2961

Delta R.T. -0.00 min

Lab File: BN007034.D

Acq: 08 Aug 2019 20:16

Instrument :

BNA_N

ClientSampleId :

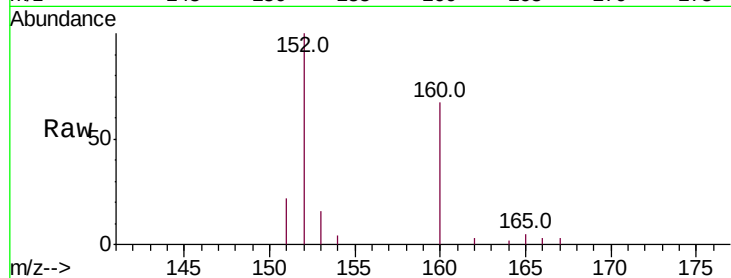
Tot Ion:152 Resp: 5678

Ion Ratio Lower Upper

152 100

151 22.2 16.3 24.5

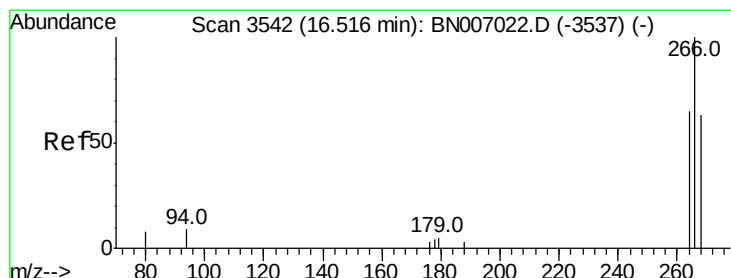
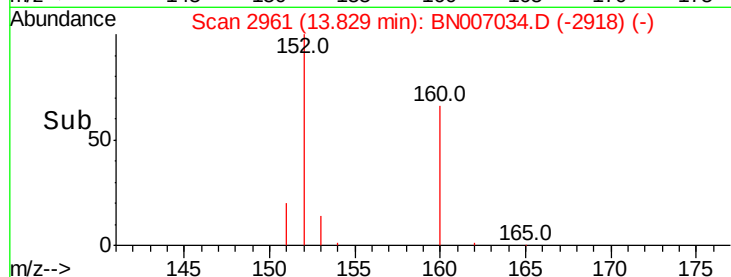
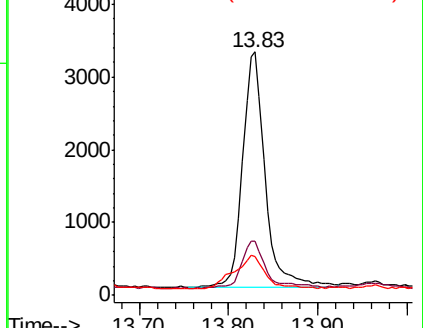
153 16.1 11.0 16.4



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



#11

Pentachlorophenol

Concen: 0.030 ng/ul

RT: 16.51 min Scan# 3541

Delta R.T. -0.00 min

Lab File: BN007034.D

Acq: 08 Aug 2019 20:16

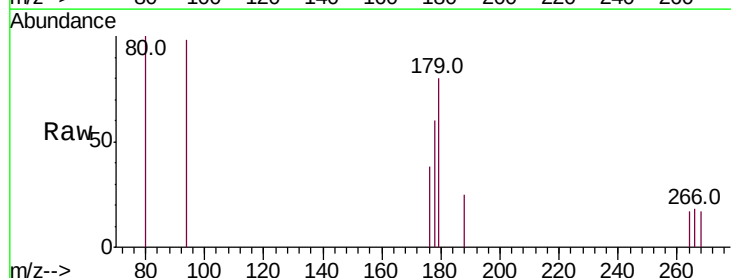
Tgt Ion:266 Resp: 398

Ion Ratio Lower Upper

266 100

264 102.0 55.7 83.5#

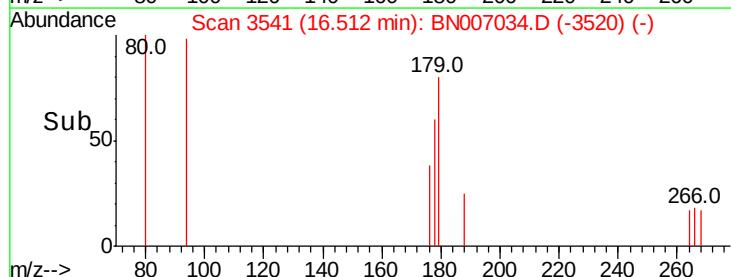
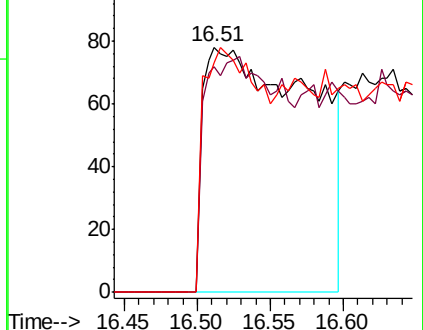
268 99.7 75.2 112.8

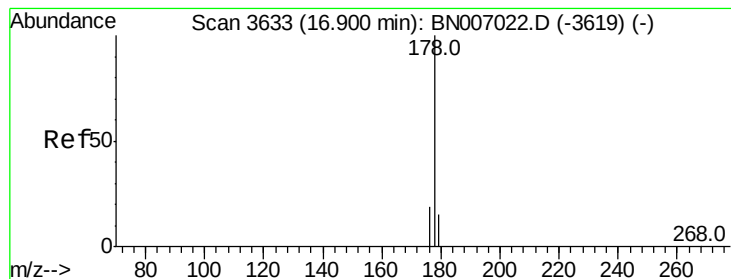


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.069 ng/ul

RT: 16.90 min Scan# 3633

Delta R.T. -0.00 min

Lab File: BN007034.D

Acq: 08 Aug 2019 20:16

Instrument :

BNA_N

ClientSampled :

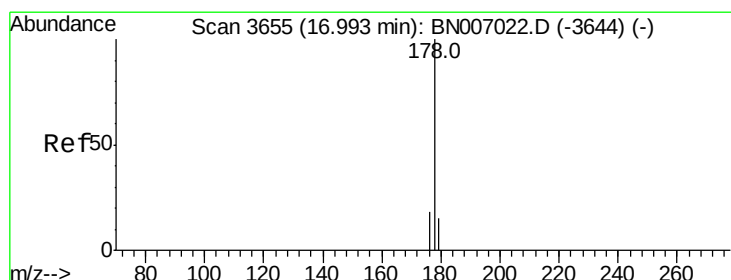
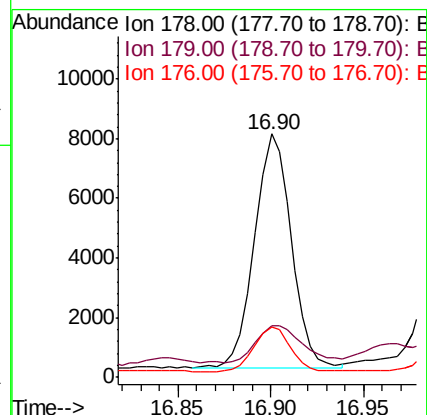
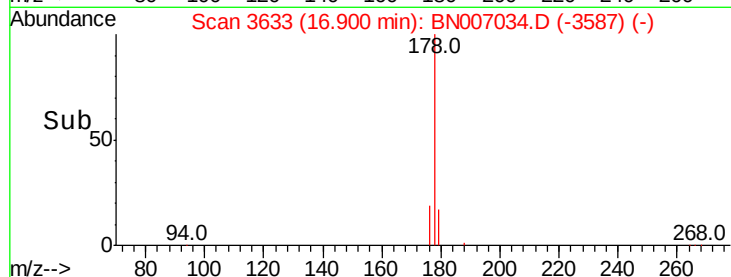
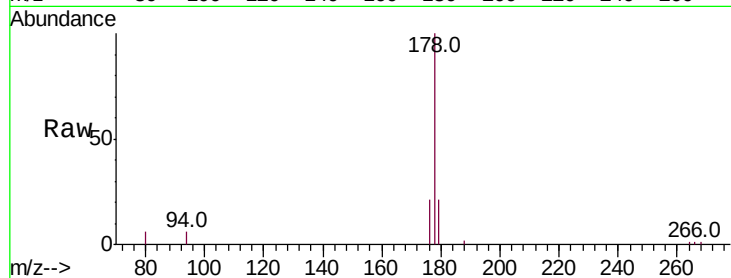
Tot Ion:178 Resp: 10689

Ion Ratio Lower Upper

178 100

179 21.2 12.5 18.7#

176 20.8 15.6 23.4



#13

Anthracene

Concen: 0.039 ng/ul

RT: 16.99 min Scan# 3655

Delta R.T. -0.00 min

Lab File: BN007034.D

Acq: 08 Aug 2019 20:16

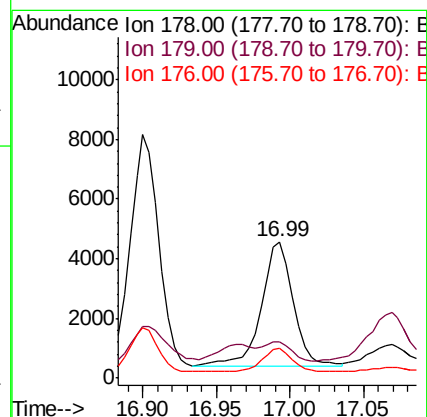
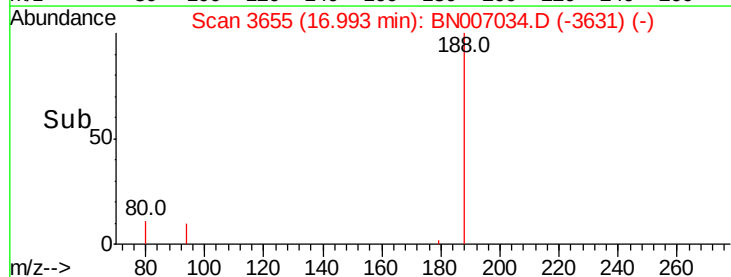
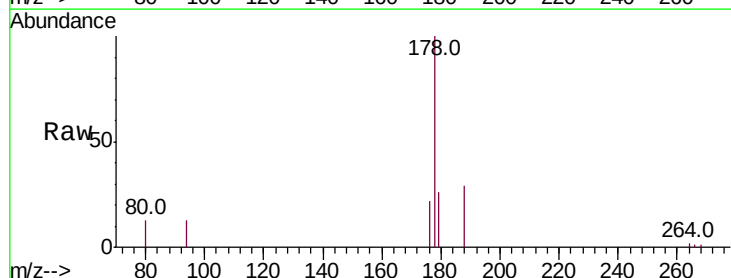
Tgt Ion:178 Resp: 6199

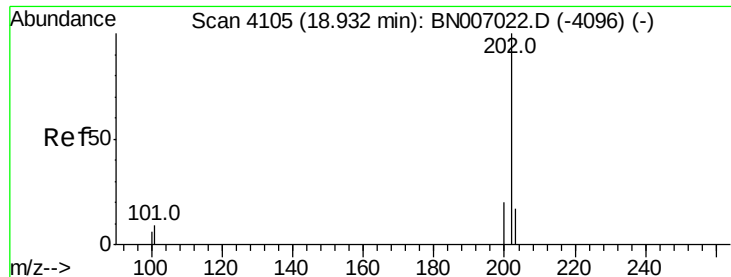
Ion Ratio Lower Upper

178 100

179 26.2 12.6 18.8#

176 22.0 15.4 23.0

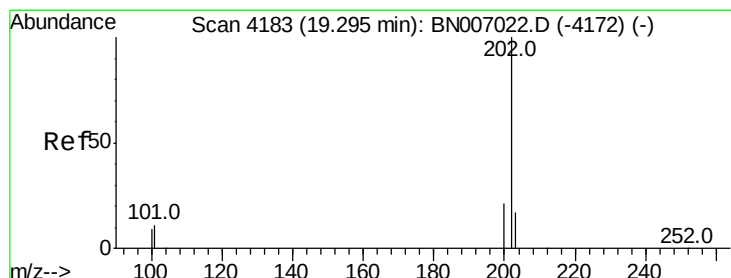
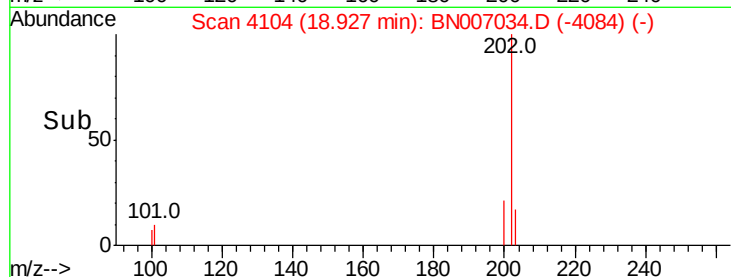
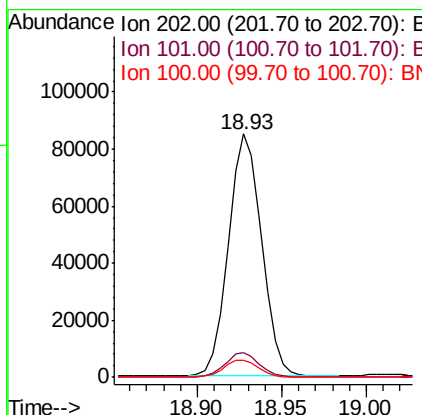
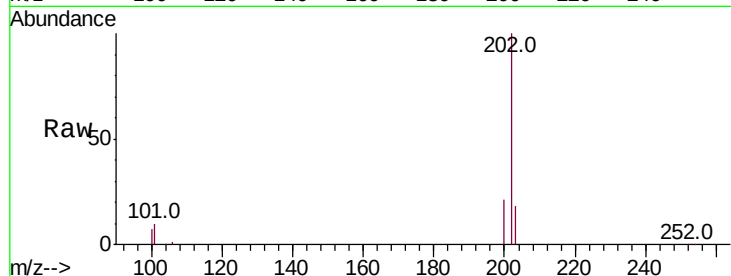




#15
 Fluoranthene
 Concen: 0.603 ng/ul
 RT: 18.93 min Scan# 4104
 Delta R.T. -0.00 min
 Lab File: BN007034.D
 Acq: 08 Aug 2019 20:16

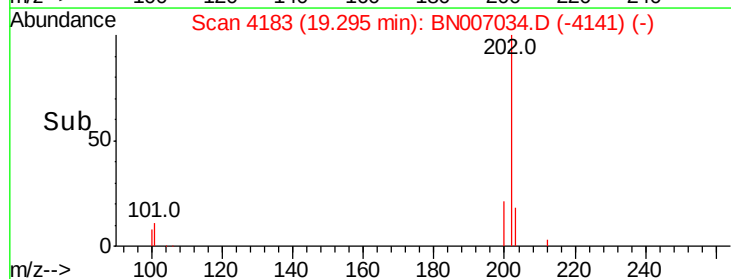
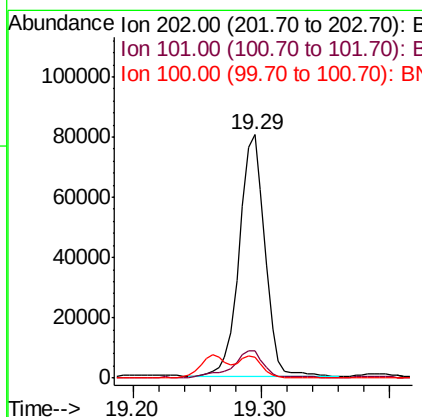
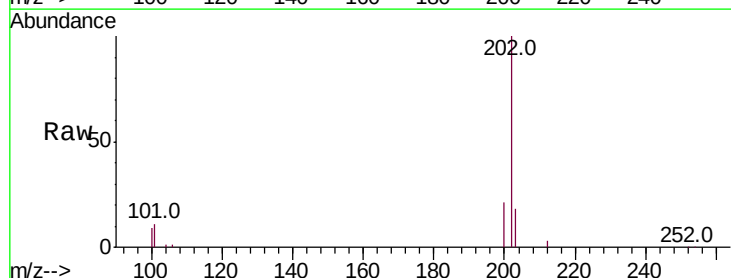
Instrument :
 BNA_N
 ClientSampleId :

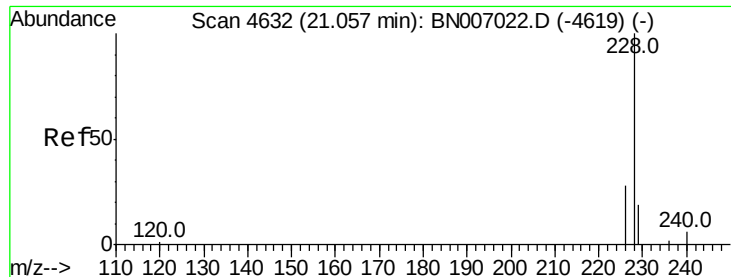
Tot Ion:202 Resp: 115493
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 30.0
 100 7.3 0.0 27.7



#17
 Pyrene
 Concen: 0.706 ng/ul
 RT: 19.29 min Scan# 4183
 Delta R.T. -0.00 min
 Lab File: BN007034.D
 Acq: 08 Aug 2019 20:16

Tgt Ion:202 Resp: 110561
 Ion Ratio Lower Upper
 202 100
 101 11.0 9.3 13.9
 100 8.6 7.3 10.9





#18

Benzo(a)anthracene

Concen: 0.699 ng/ul

RT: 21.05 min Scan# 4632

Delta R.T. -0.01 min

Lab File: BN007034.D

Acq: 08 Aug 2019 20:16

Instrument :

BNA_N

ClientSampled :

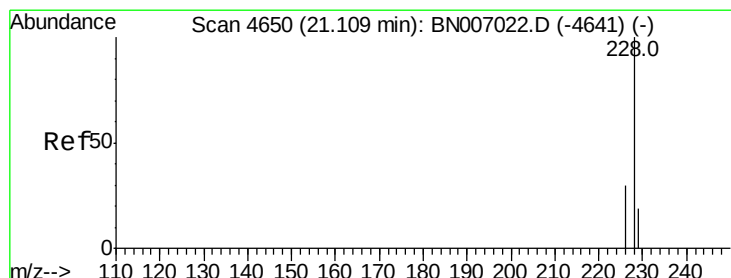
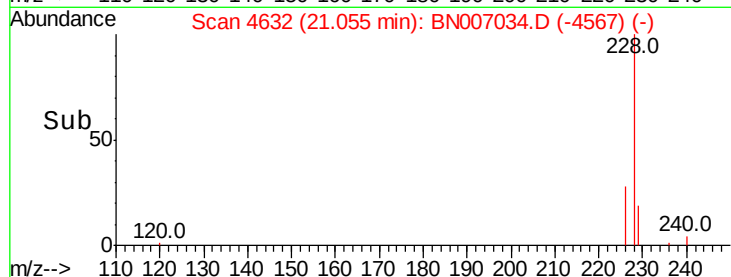
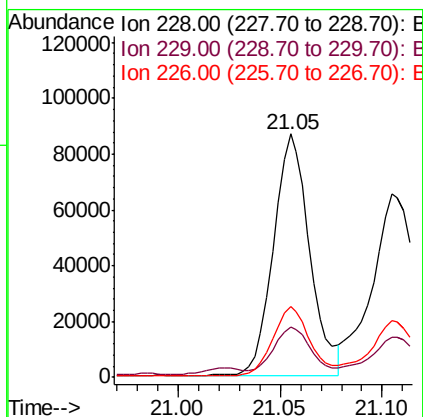
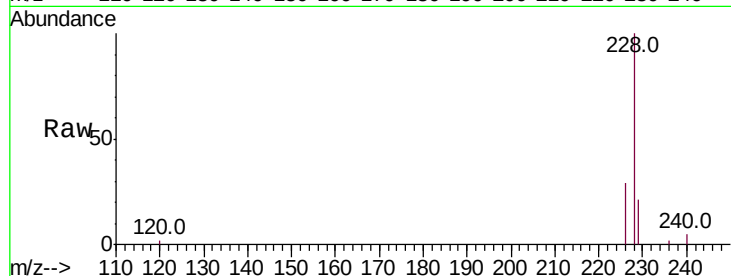
Tot Ion:228 Resp: 107728

Ion Ratio Lower Upper

228 100

229 20.8 15.9 23.9

226 29.1 22.2 33.4



#19

Chrysene

Concen: 0.656 ng/ul

RT: 21.10 min Scan# 4649

Delta R.T. -0.01 min

Lab File: BN007034.D

Acq: 08 Aug 2019 20:16

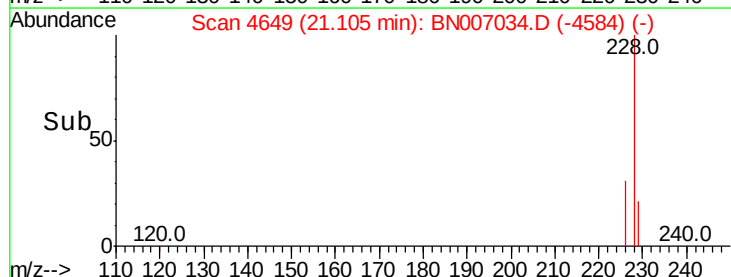
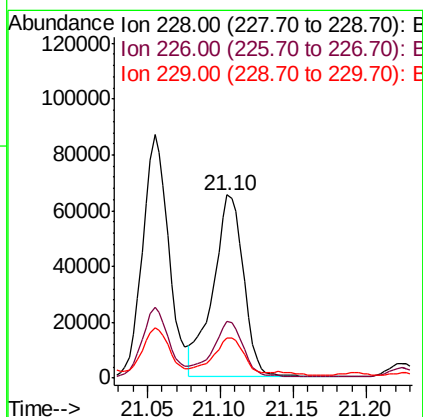
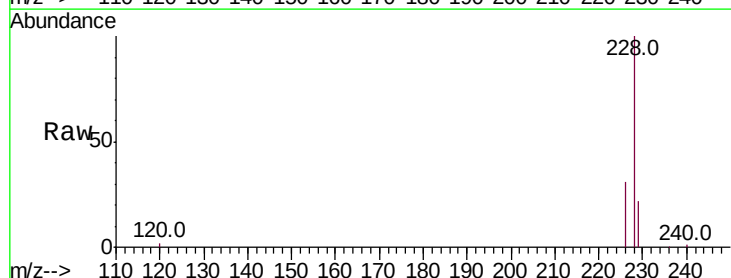
Tgt Ion:228 Resp: 94548

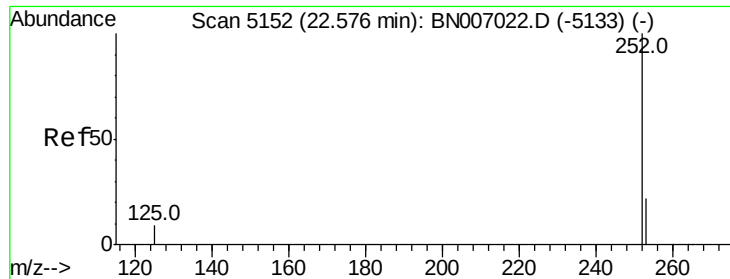
Ion Ratio Lower Upper

228 100

226 31.0 24.7 37.1

229 22.1 15.5 23.3





#21

Benzo(b)fluoranthene

Concen: 0.916 ng/ul

RT: 22.57 min Scan# 5152

Delta R.T. -0.01 min

Lab File: BN007034.D

Acq: 08 Aug 2019 20:16

Instrument :

BNA_N

ClientSampleId :

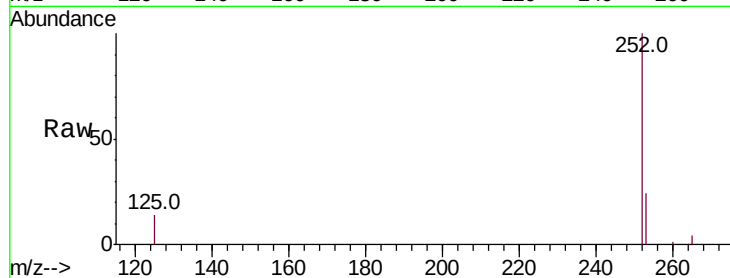
Tot Ion:252 Resp: 118545

Ion Ratio Lower Upper

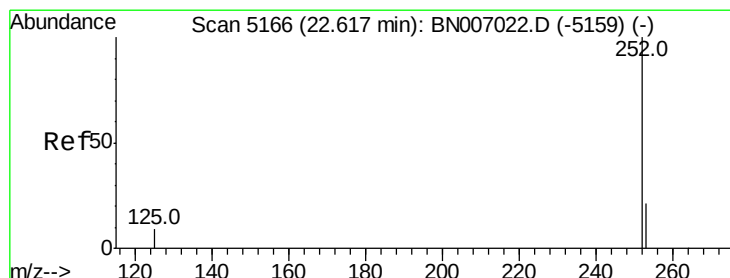
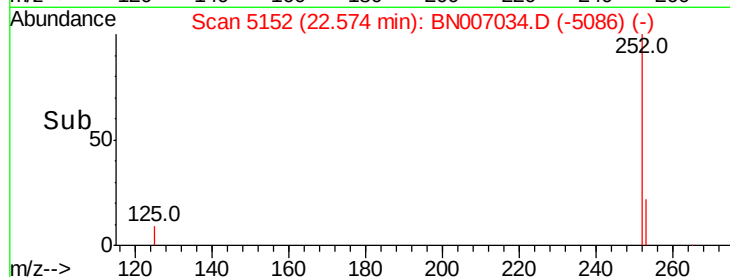
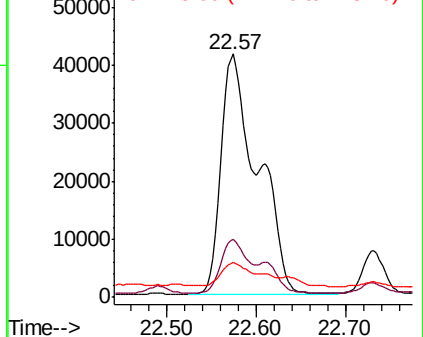
252 100

253 23.6 0.0 45.2

125 14.3 0.0 22.2



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: 0.945 ng/ul

RT: 22.57 min Scan# 5152

Delta R.T. -0.05 min

Lab File: BN007034.D

Acq: 08 Aug 2019 20:16

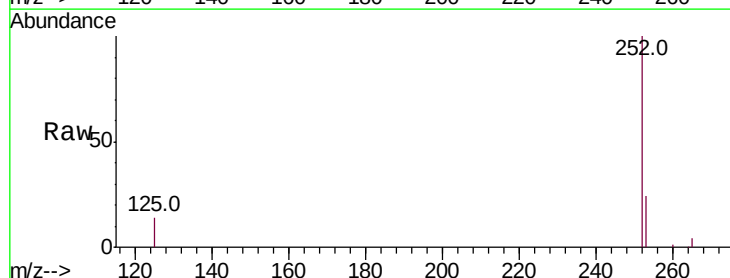
Tgt Ion:252 Resp: 118545

Ion Ratio Lower Upper

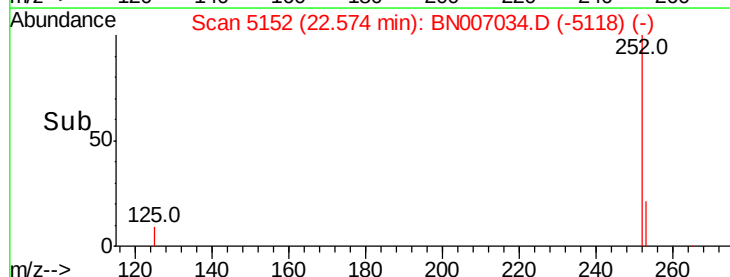
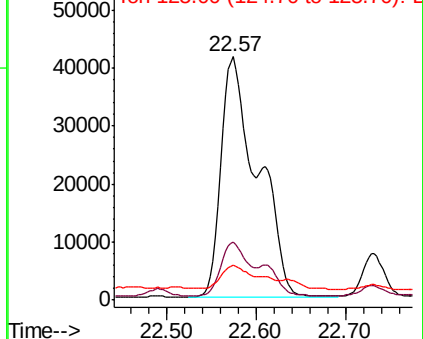
252 100

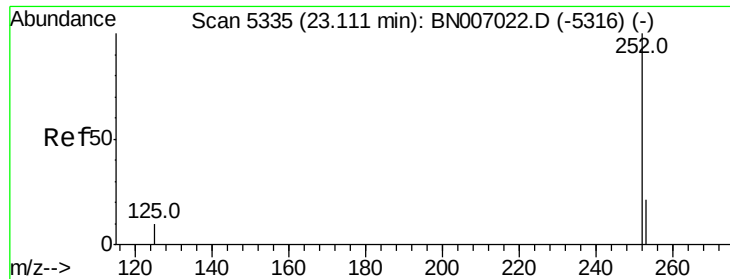
253 23.6 18.6 28.0

125 14.3 8.7 13.1#



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: 0.482 ng/ul

RT: 23.11 min Scan# 5334

Delta R.T. -0.01 min

Lab File: BN007034.D

Acq: 08 Aug 2019 20:16

Instrument :

BNA_N

ClientSampleId :

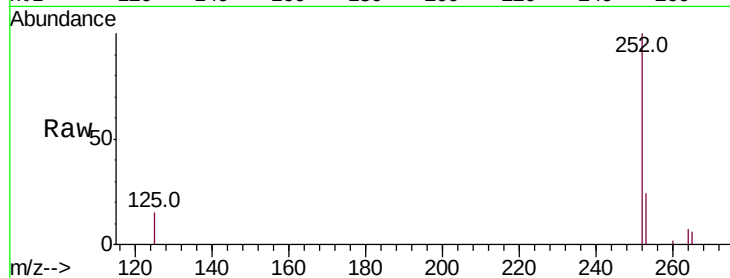
Tot Ion:252 Resp: 58754

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

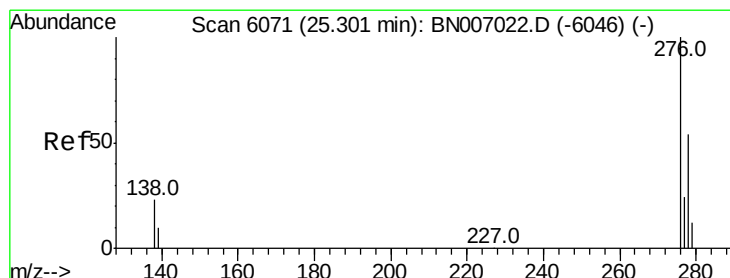
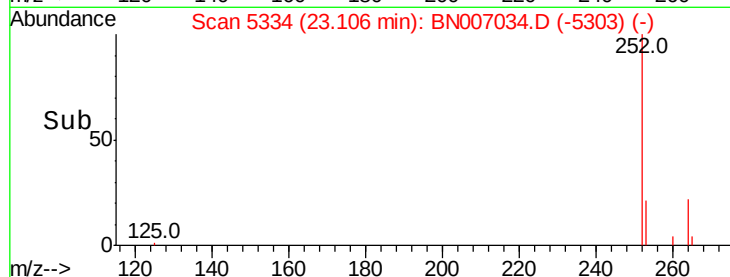
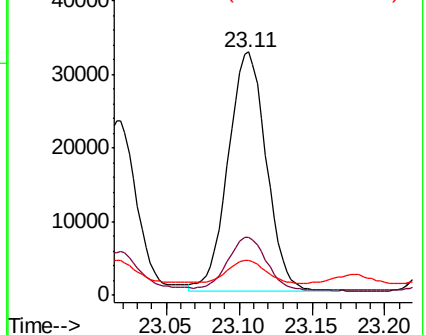
125 14.5 10.0 15.0



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: 0.219 ng/ul

RT: 25.29 min Scan# 6068

Delta R.T. -0.02 min

Lab File: BN007034.D

Acq: 08 Aug 2019 20:16

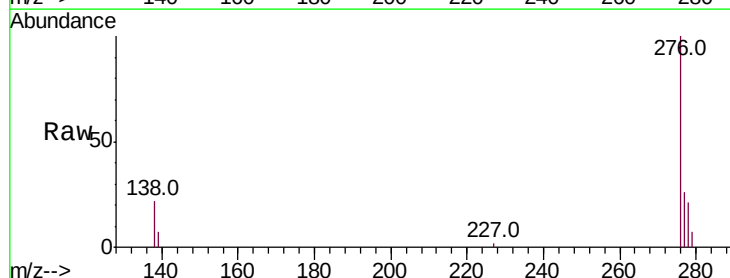
Tgt Ion:276 Resp: 28726

Ion Ratio Lower Upper

276 100

138 21.2 19.9 29.9

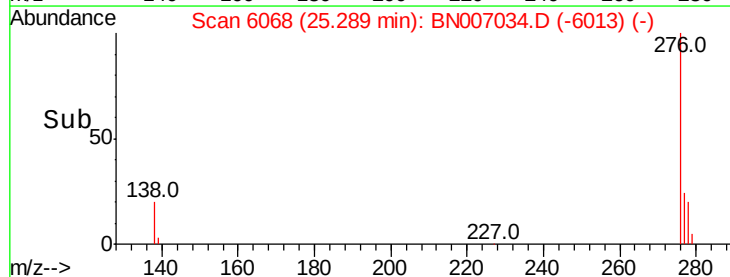
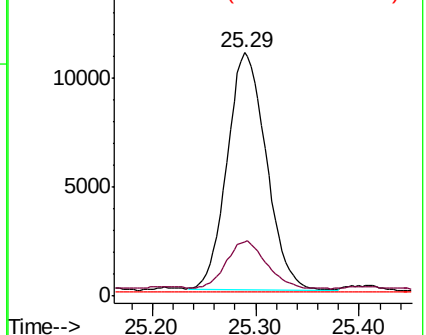
227 0.1 0.2 0.4

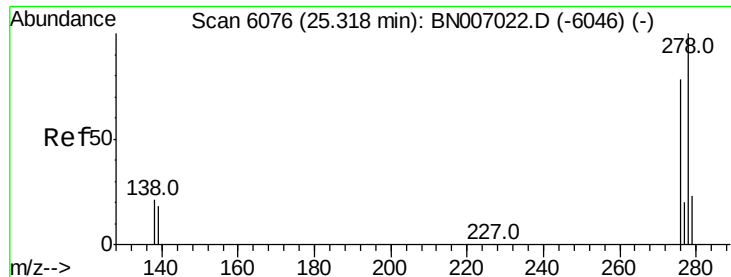


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

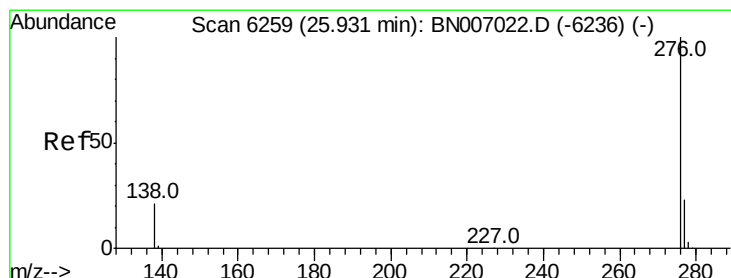
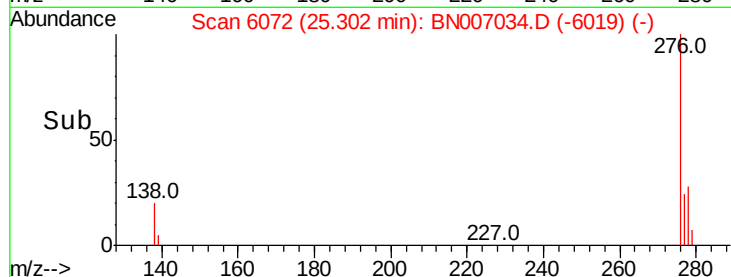
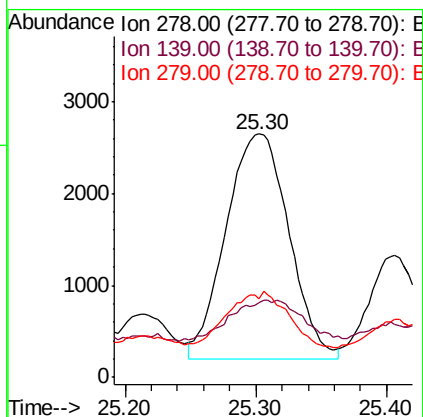
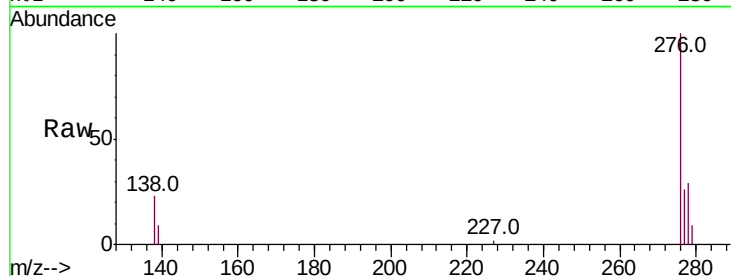




#25
Dibenzo(a,h)anthracene
Concen: 0.078 ng/ul
RT: 25.30 min Scan# 6072
Delta R.T. -0.02 min
Lab File: BN007034.D
Acq: 08 Aug 2019 20:16

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 8211
Ion Ratio Lower Upper
278 100
139 30.8 14.3 21.5#
279 32.4 19.6 29.4#



#26
Benzo(g,h,i)perylene
Concen: 0.245 ng/ul
RT: 25.93 min Scan# 6258
Delta R.T. -0.01 min
Lab File: BN007034.D
Acq: 08 Aug 2019 20:16

Tgt Ion:276 Resp: 26940
Ion Ratio Lower Upper
276 100
138 22.6 18.7 28.1
277 25.0 19.3 28.9

