

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102119\
 Data File : BN008294.D
 Acq On : 21 Oct 2019 21:50
 Operator : JU
 Sample : K5199-19
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 22 00:01:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 23:58:15 2019
 Response via : Initial Calibration

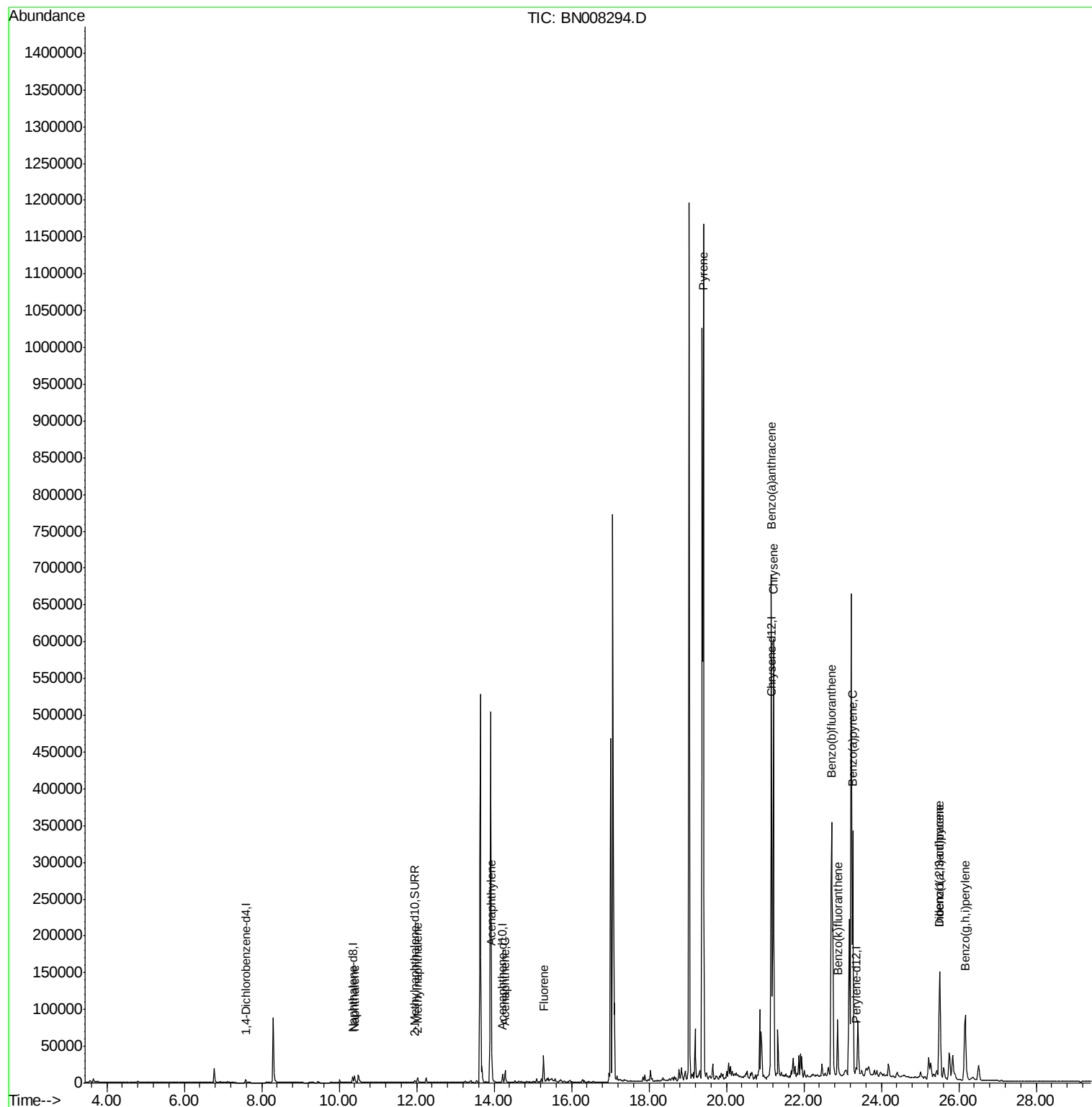
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	2114	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	10197	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	6306	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-16.97
16) Chrysene-d12	21.18	240	12706	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	10918	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	4240	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	12637	0.00	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.40	128	11995	0.413	ng/ul	99
5) 2-Methylnaphthalene	12.02	142	5410	0.272	ng/ul	99
7) Acenaphthylene	13.94	152	39675	1.321	ng/ul	99
8) Acenaphthene	14.28	153	9591	0.411	ng/ul	98
9) Fluorene	15.28	166	23206	0.875	ng/ul	98
17) Pyrene	19.40	202	924795	18.280	ng/ul	99
18) Benzo(a)anthracene	21.16	228	562740	12.182	ng/ul	97
19) Chrysene	21.21	228	543969	9.595	ng/ul	98
21) Benzo(b)fluoranthene	22.71	252	787137	22.147	ng/ul	91
22) Benzo(k)fluoranthene	22.87	252	87353	2.170	ng/ul	100
23) Benzo(a)pyrene	23.26	252	411077	10.991	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.51	276	216472	4.914	ng/ul	99
25) Dibenzo(a,h)anthracene	25.51	278	61500	1.766	ng/ul	99
26) Benzo(g,h,i)perylene	26.16	276	176262	4.364	ng/ul	99

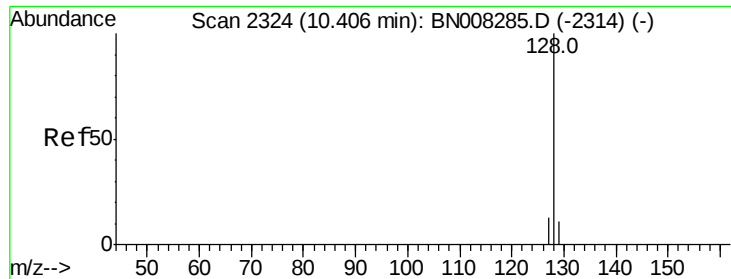
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.413 ng/ul

RT: 10.40 min Scan# 2323

Delta R.T. 0.00 min

Lab File: BN008294.D

Acq: 21 Oct 2019 21:50

Instrument :

BNA_N

ClientSampleId :

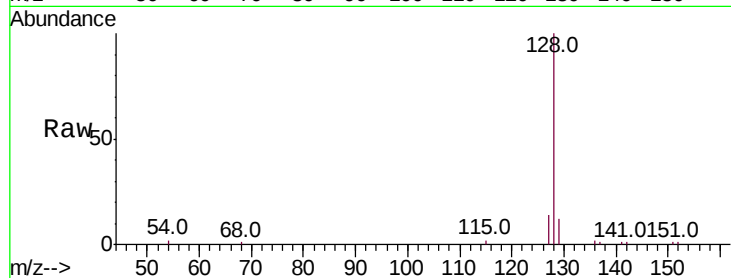
Tot Ion:128 Resp: 11995

Ion Ratio Lower Upper

128 100

129 12.0 9.8 14.8

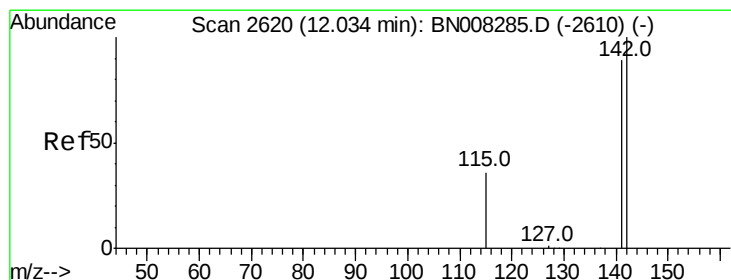
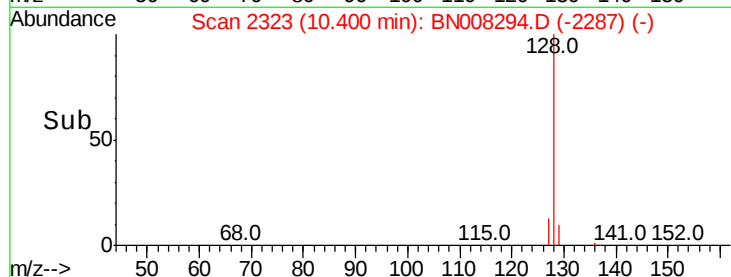
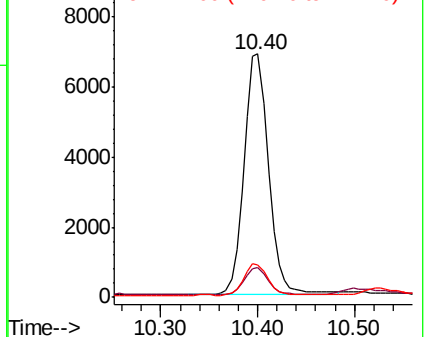
127 13.5 11.1 16.7



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: 0.272 ng/ul

RT: 12.02 min Scan# 2618

Delta R.T. -0.01 min

Lab File: BN008294.D

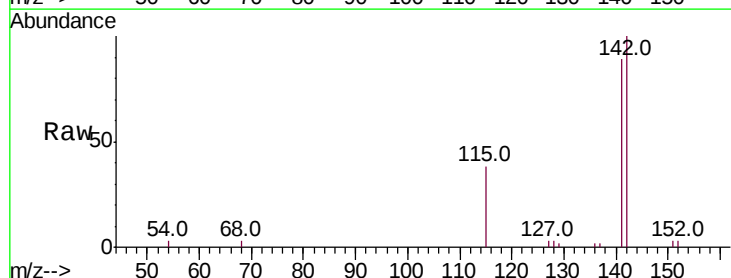
Acq: 21 Oct 2019 21:50

Tgt Ion:142 Resp: 5410

Ion Ratio Lower Upper

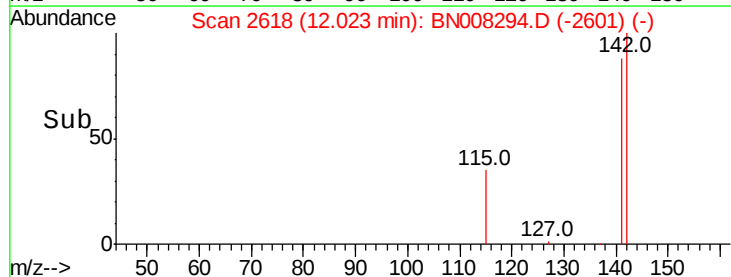
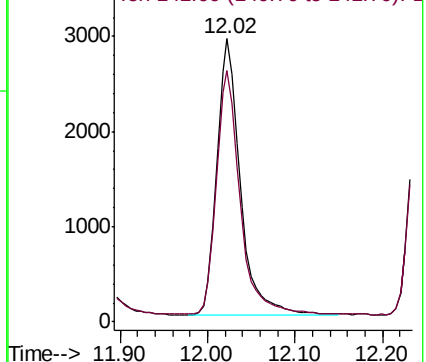
142 100

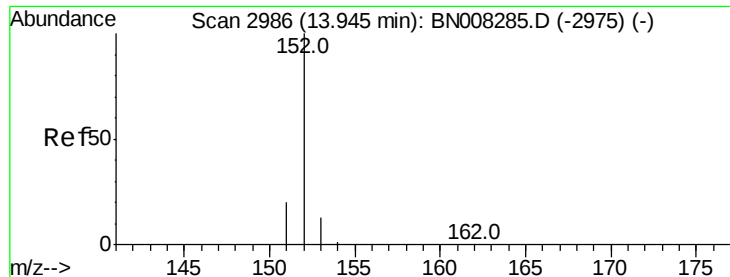
141 88.5 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.321 ng/ul

RT: 13.94 min Scan# 2984

Delta R.T. -0.01 min

Lab File: BN008294.D

Acq: 21 Oct 2019 21:50

Instrument :

BNA_N

ClientSampleId :

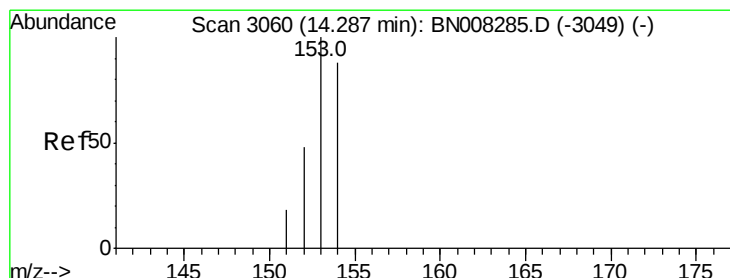
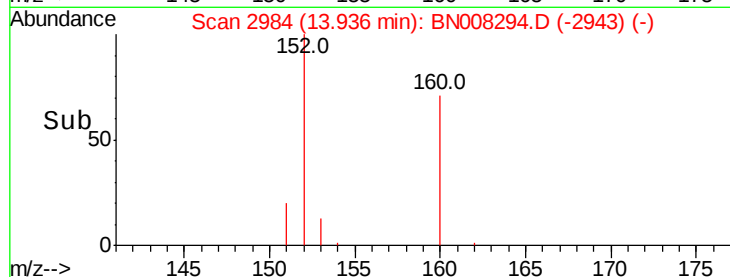
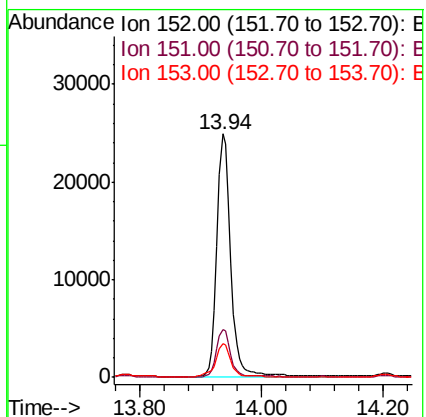
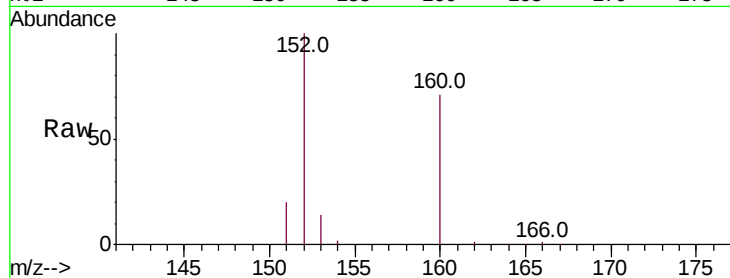
Tot Ion:152 Resp: 39675

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.4

153 13.6 11.0 16.4



#8

Acenaphthene

Concen: 0.411 ng/ul

RT: 14.28 min Scan# 3059

Delta R.T. -0.00 min

Lab File: BN008294.D

Acq: 21 Oct 2019 21:50

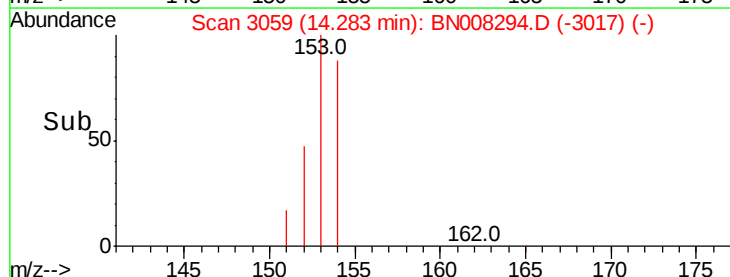
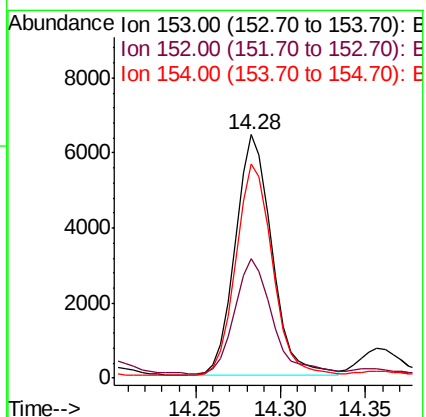
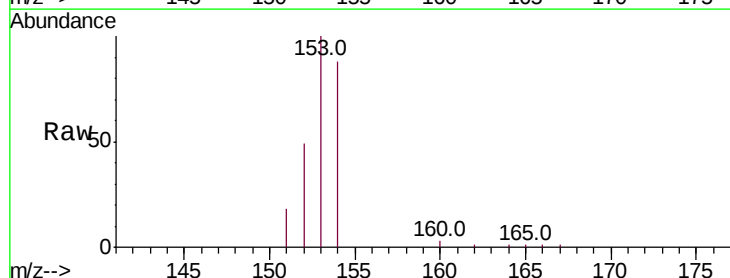
Tgt Ion:153 Resp: 9591

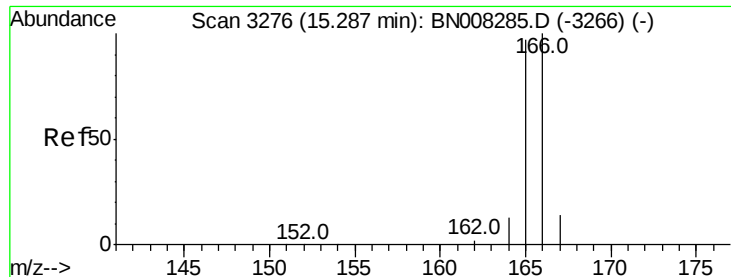
Ion Ratio Lower Upper

153 100

152 48.9 38.2 57.2

154 88.0 71.8 107.8

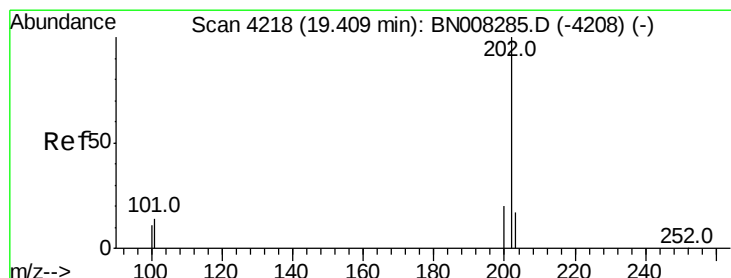
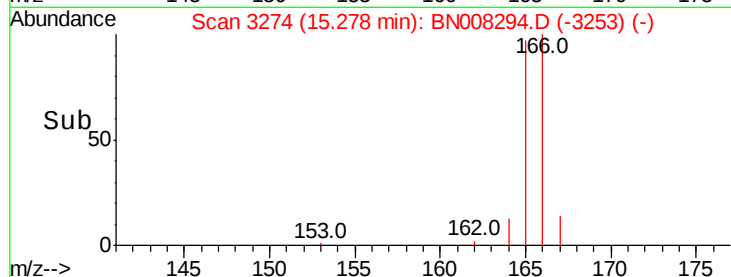
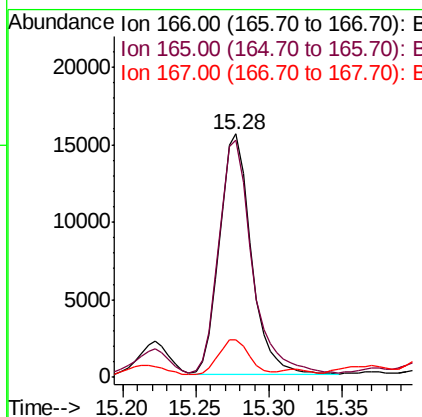
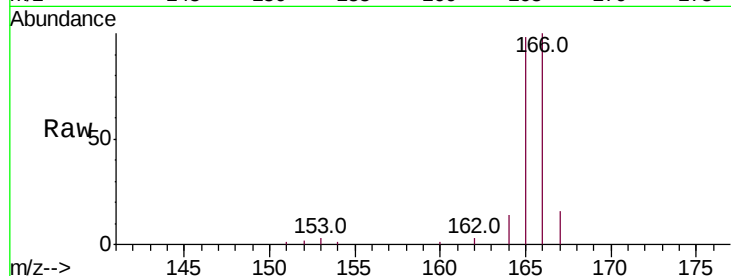




#9
Fluorene
 Concen: 0.875 ng/ul
 RT: 15.28 min Scan# 3274
 Delta R.T. -0.00 min
 Lab File: BN008294.D
 Acq: 21 Oct 2019 21:50

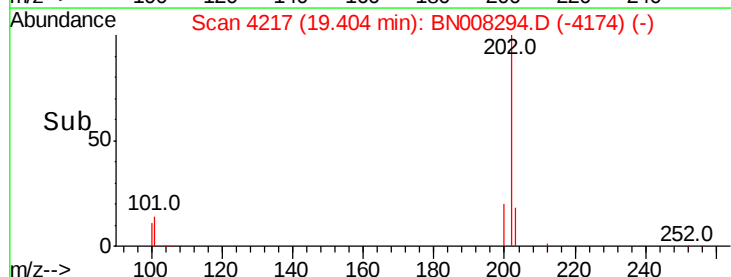
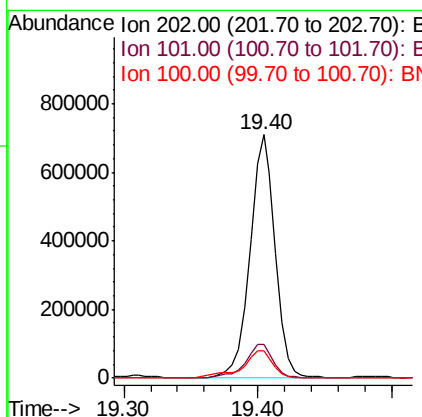
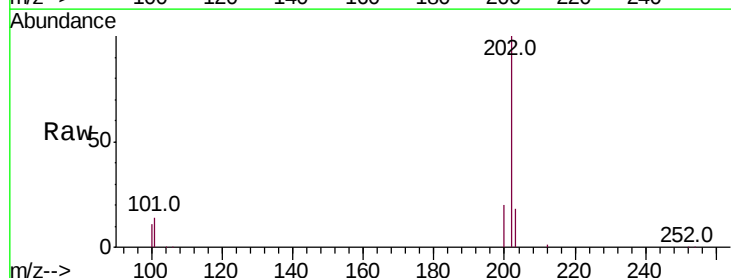
Instrument :
 BNA_N
 ClientSampleId :

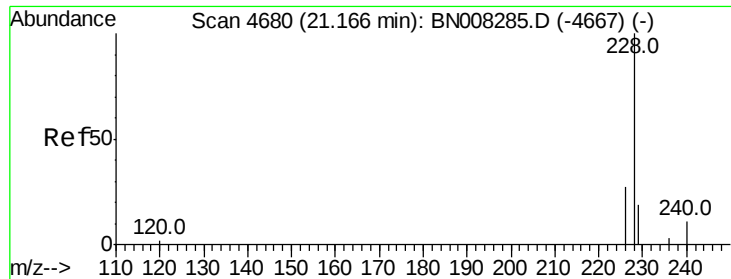
Tot Ion:166 Resp: 23206
 Ion Ratio Lower Upper
 166 100
 165 97.7 76.6 115.0
 167 15.6 11.7 17.5



#17
Pyrene
 Concen: 18.280 ng/ul
 RT: 19.40 min Scan# 4217
 Delta R.T. 0.00 min
 Lab File: BN008294.D
 Acq: 21 Oct 2019 21:50

Tgt Ion:202 Resp: 924795
 Ion Ratio Lower Upper
 202 100
 101 13.9 10.9 16.3
 100 11.2 8.7 13.1





#18

Benzo(a)anthracene

Concen: 12.182 ng/ul

RT: 21.16 min Scan# 4678

Delta R.T. -0.01 min

Lab File: BN008294.D

Acq: 21 Oct 2019 21:50

Instrument :

BNA_N

ClientSampleId :

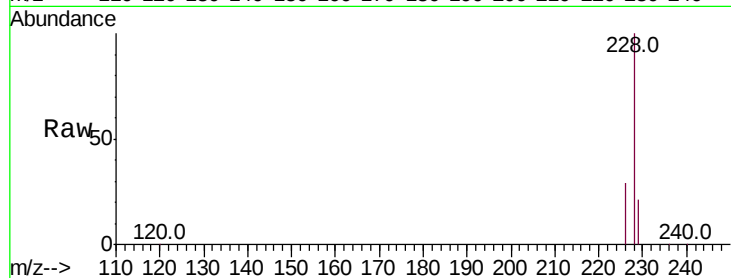
Tot Ion:228 Resp: 562740

Ion Ratio Lower Upper

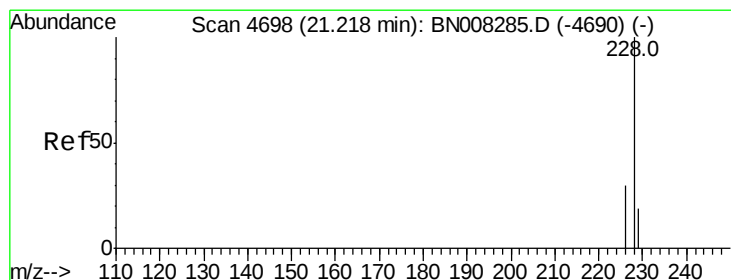
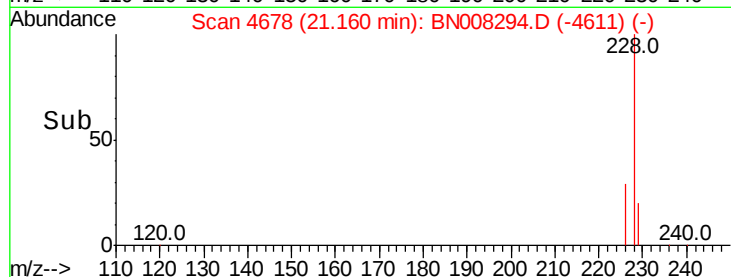
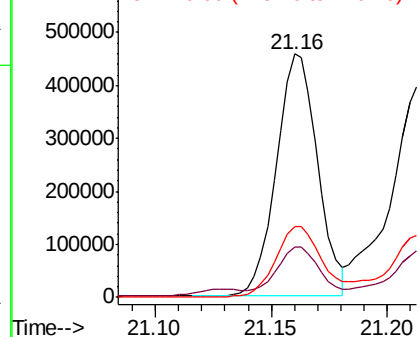
228 100

229 20.7 16.2 24.2

226 29.1 21.4 32.0



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: 9.595 ng/ul

RT: 21.21 min Scan# 4696

Delta R.T. -0.00 min

Lab File: BN008294.D

Acq: 21 Oct 2019 21:50

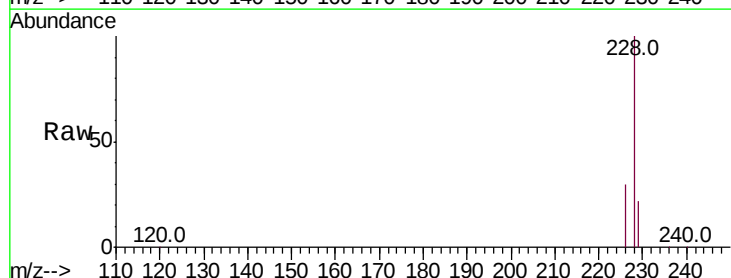
Tgt Ion:228 Resp: 543969

Ion Ratio Lower Upper

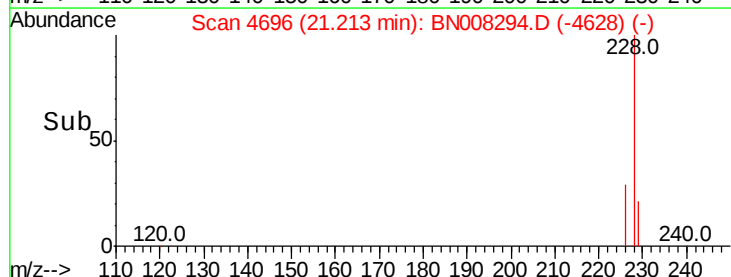
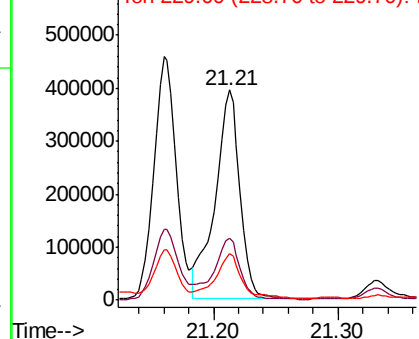
228 100

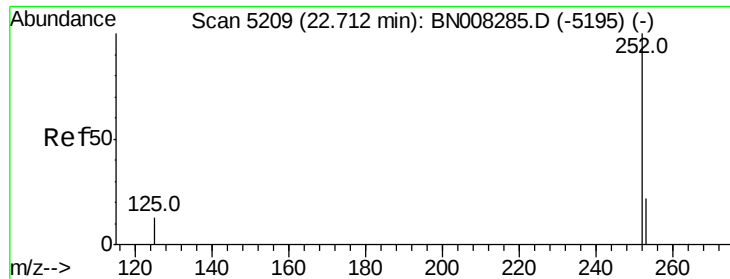
226 29.6 24.1 36.1

229 21.8 16.2 24.2



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: 22.147 ng/u1

RT: 22.71 min Scan# 5209

Delta R.T. 0.00 min

Lab File: BN008294.D

Acq: 21 Oct 2019 21:50

Instrument :

BNA_N

ClientSampleId :

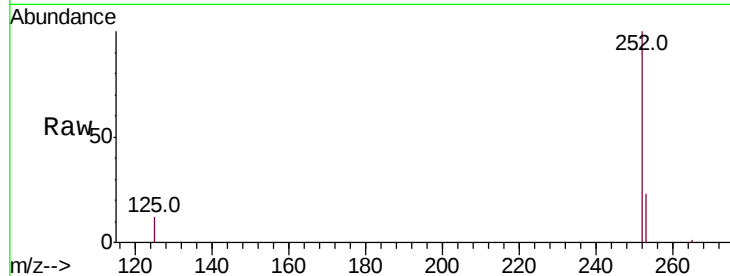
Tot Ion:252 Resp: 787137

Ion Ratio Lower Upper

252 100

253 22.7 0.0 53.4

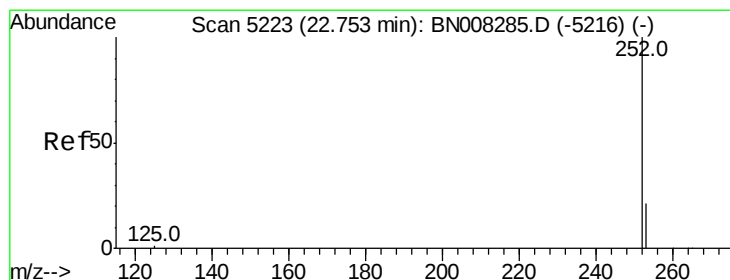
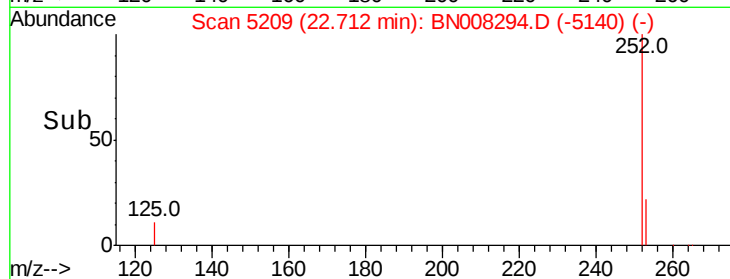
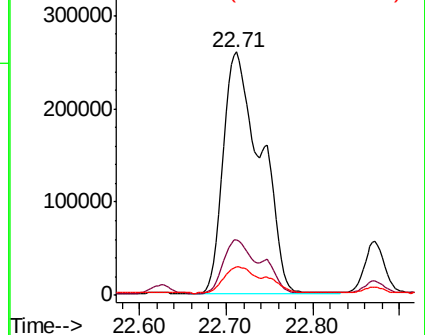
125 11.6 0.0 32.4



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: 2.170 ng/u1

RT: 22.87 min Scan# 5264

Delta R.T. 0.12 min

Lab File: BN008294.D

Acq: 21 Oct 2019 21:50

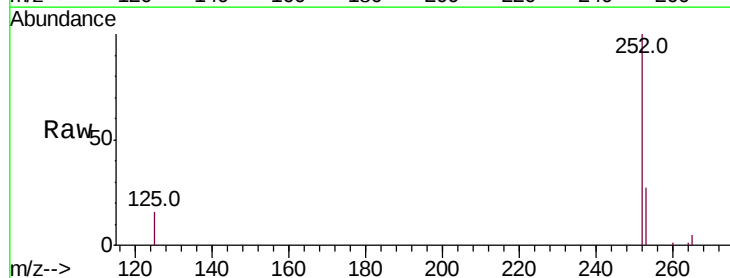
Tgt Ion:252 Resp: 87353

Ion Ratio Lower Upper

252 100

253 26.5 21.3 31.9

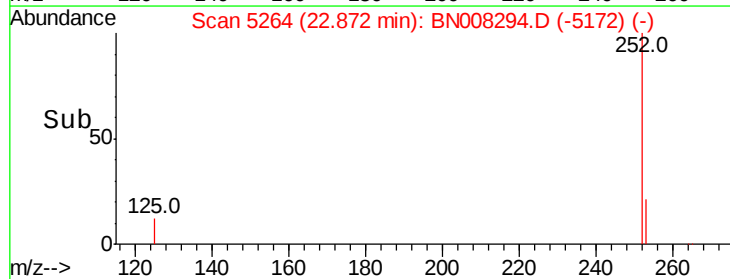
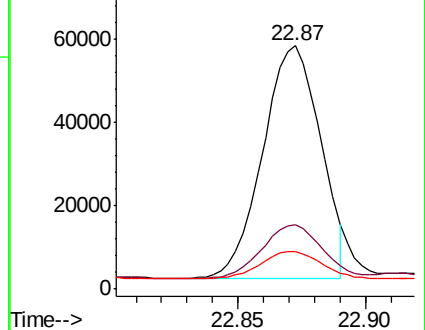
125 15.6 12.3 18.5

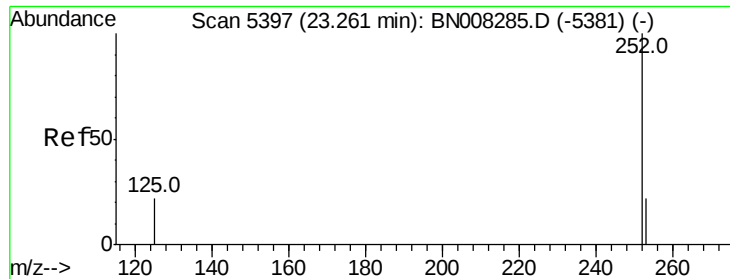


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 10.991 ng/ul

RT: 23.26 min Scan# 5397

Delta R.T. 0.00 min

Lab File: BN008294.D

Acq: 21 Oct 2019 21:50

Instrument :

BNA_N

ClientSampleId :

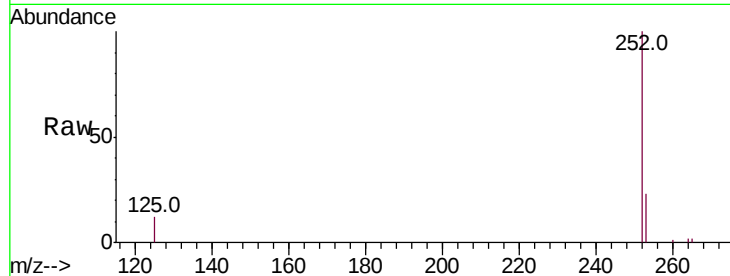
Tot Ion:252 Resp: 411077

Ion Ratio Lower Upper

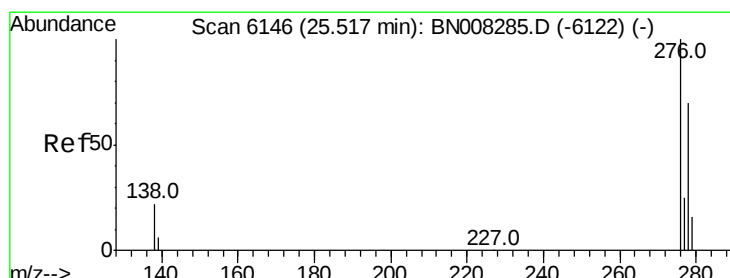
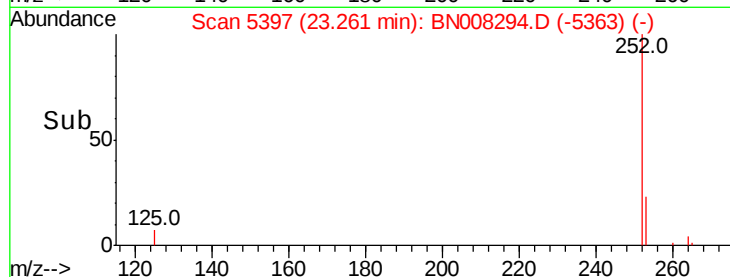
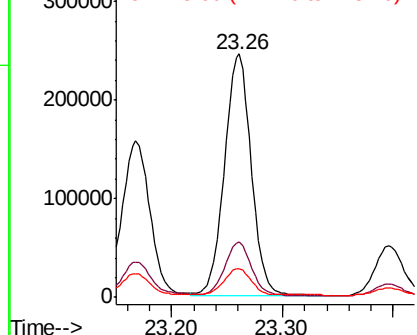
252 100

253 22.7 22.8 34.2#

125 11.9 18.4 27.6#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 4.914 ng/ul

RT: 25.51 min Scan# 6143

Delta R.T. -0.00 min

Lab File: BN008294.D

Acq: 21 Oct 2019 21:50

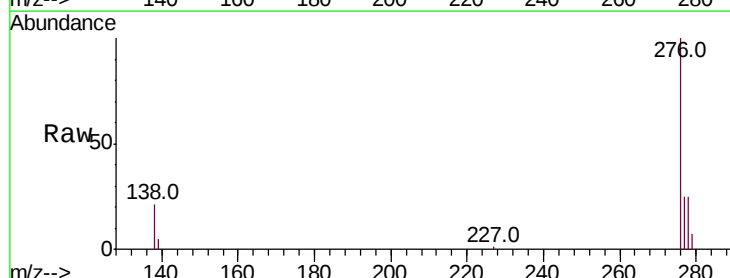
Tgt Ion:276 Resp: 216472

Ion Ratio Lower Upper

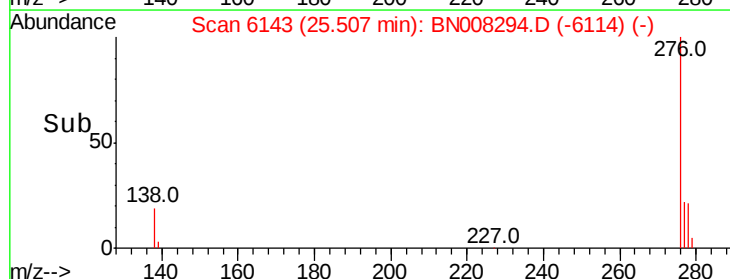
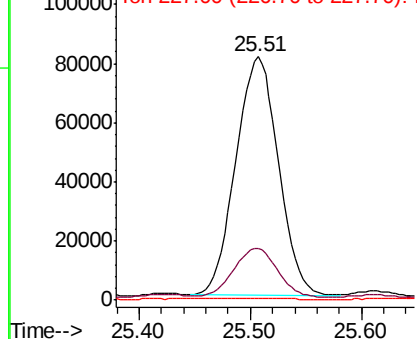
276 100

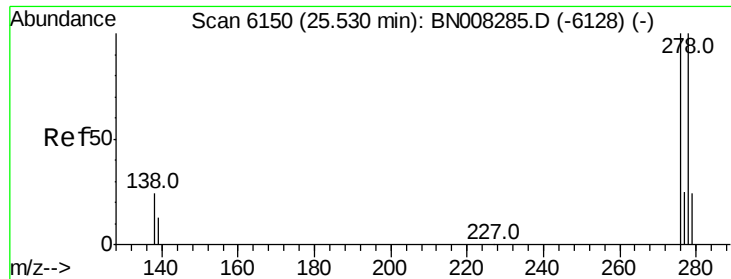
138 20.7 16.1 24.1

227 0.2 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

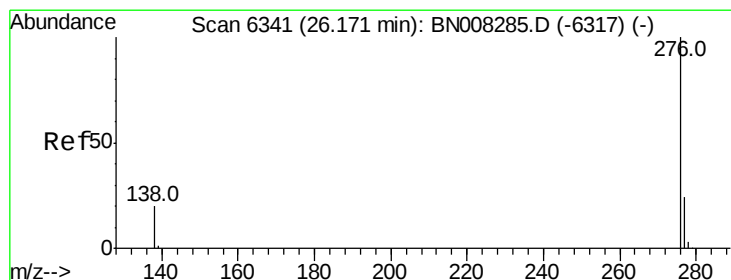
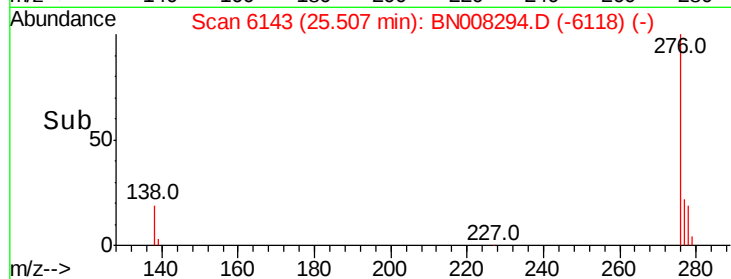
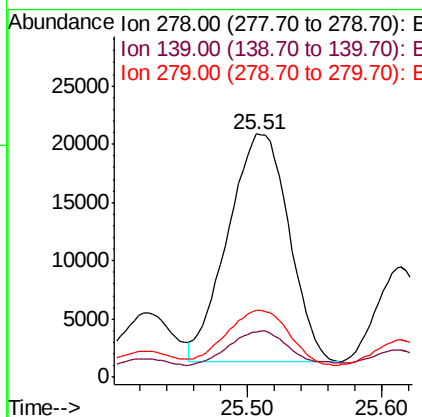
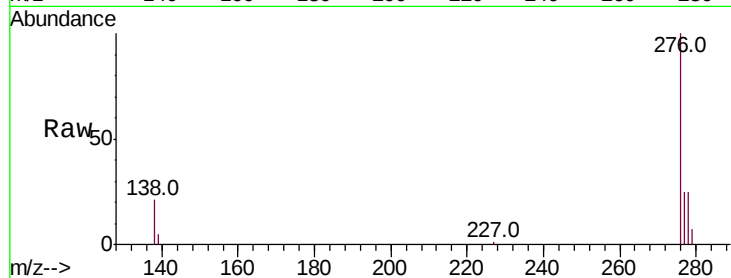




#25
Dibenzo(a,h)anthracene
Concen: 1.766 ng/ul
RT: 25.51 min Scan# 6143
Delta R.T. -0.02 min
Lab File: BN008294.D
Acq: 21 Oct 2019 21:50

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 61500
Ion Ratio Lower Upper
278 100
139 18.7 15.0 22.6
279 27.5 22.4 33.6



#26
Benzo(g,h,i)perylene
Concen: 4.364 ng/ul
RT: 26.16 min Scan# 6339
Delta R.T. -0.00 min
Lab File: BN008294.D
Acq: 21 Oct 2019 21:50

Tgt Ion:276 Resp: 176262
Ion Ratio Lower Upper
276 100
138 21.2 17.0 25.4
277 24.5 20.4 30.6

