

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042618\
 Data File : BN000933.D
 Acq On : 26 Apr 2018 15:44
 Operator : JU/SJ
 Sample : J2485-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 27 07:52:03 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 27 07:47:48 2018
 Response via : Initial Calibration

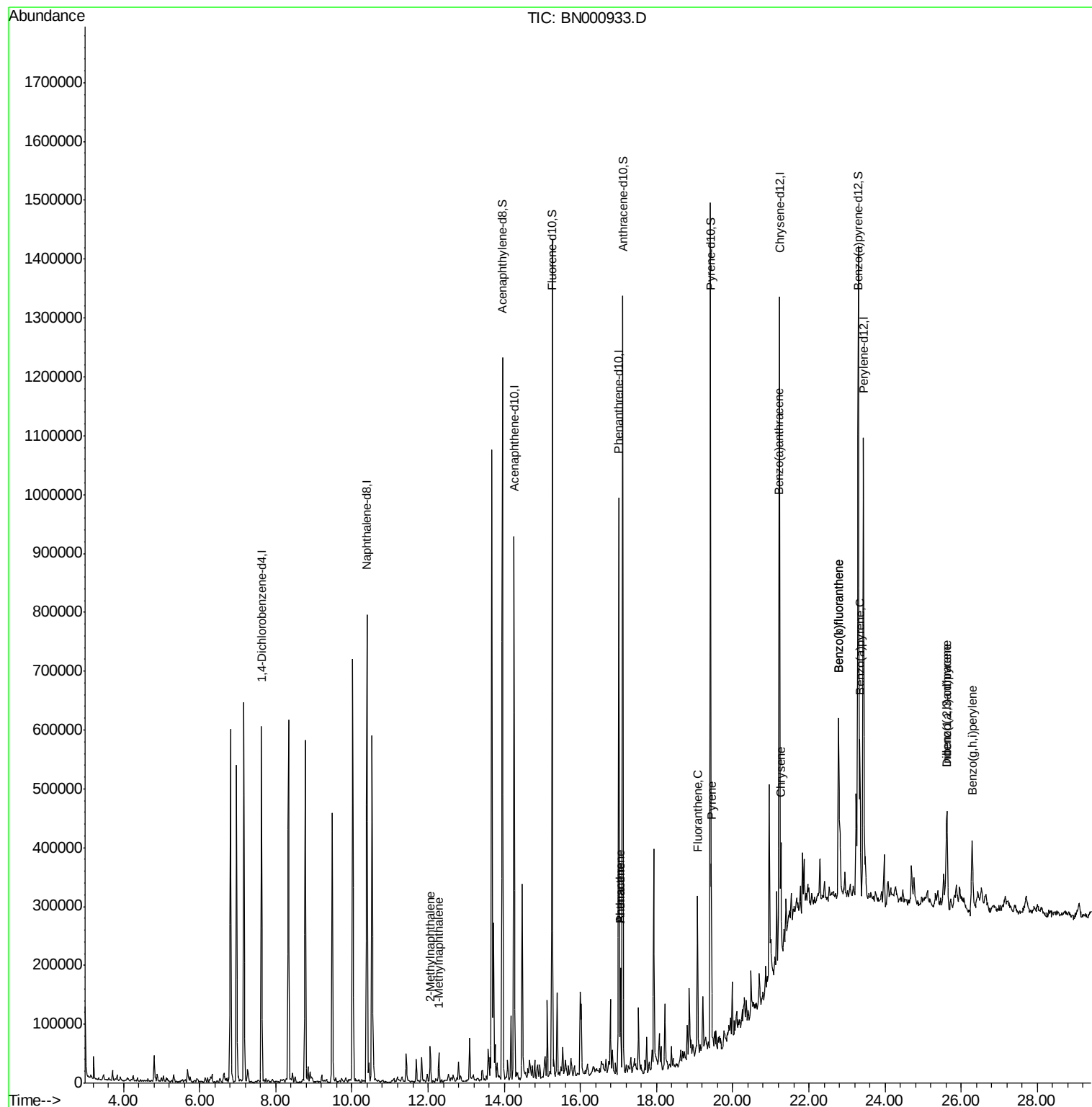
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	147666	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	613818	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	288550	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.01	188	514909	20.00	ng/ul	0.00
17) Chrysene-d12	21.23	240	454457	20.00	ng/ul	0.00
22) Perylene-d12	23.43	264	486981	20.00	ng/ul	0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	13.95	160	784311	28.30	ng/ul	0.00
10) Fluorene-d10	15.26	176	513994	27.79	ng/ul	0.00
14) Anthracene-d10	17.11	188	676311	28.72	ng/ul	0.00
18) Pyrene-d10	19.42	212	671414	28.83	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.30	264	724682	31.50	ng/ul	0.02
Target Compounds				Ovalue		
4) 2-Methylnaphthalene	12.06	142	26761	1.297	ng/ul	95
5) 1-Methylnaphthalene	12.28	142	22024	1.088	ng/ul	95
13) Phenanthrene	17.05	178	82256	2.929	ng/ul	99
15) Anthracene	17.05	178	81949	2.909	ng/ul	99
16) Fluoranthene	19.07	202	133780	4.695	ng/ul#	93
19) Pyrene	19.45	202	119563	4.096	ng/ul#	92
20) Benzo(a)anthracene	21.21	228	90550	3.333	ng/ul	95
21) Chrysene	21.26	228	110041	4.310	ng/ul	97
23) Benzo(b)fluoranthene	22.77	252	262846	9.497	ng/ul#	95
24) Benzo(k)fluoranthene	22.77	252	272088	10.047	ng/ul#	95
26) Benzo(a)pyrene	23.34	252	137657	5.205	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	25.62	276	135938	4.255	ng/ul#	89
28) Dibenzo(a,h)anthracene	25.63	278	37827	1.421	ng/ul#	84
29) Benzo(a,h,i)perylene	26.29	276	131130	4.908	ng/ul#	90

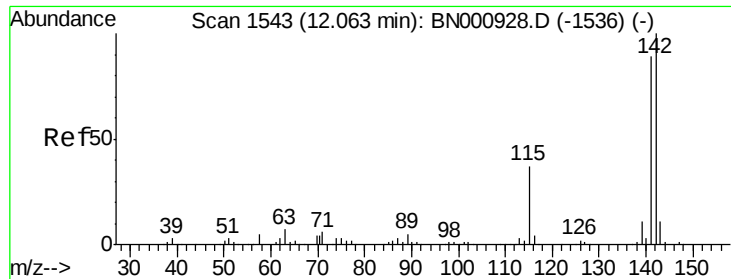
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

2-Methylnaphthalene

Concen: 1.297 ng/ul

RT: 12.06 min Scan# 1542

Delta R.T. -0.01 min

Lab File: BN000933.D

Acq: 26 Apr 2018 15:44

Instrument :

BNA_N

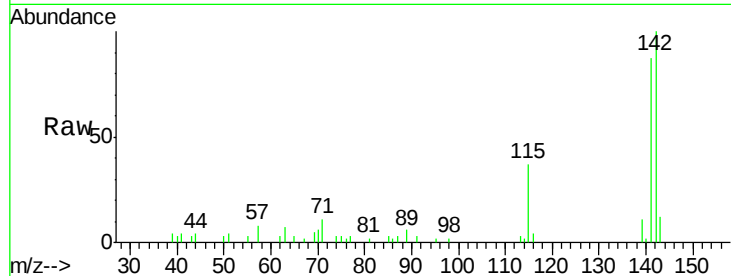
ClientSampleId :

Tot Ion:142 Resp: 26761

Ion Ratio Lower Upper

142 100

141 86.6 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

20000

15000

10000

5000

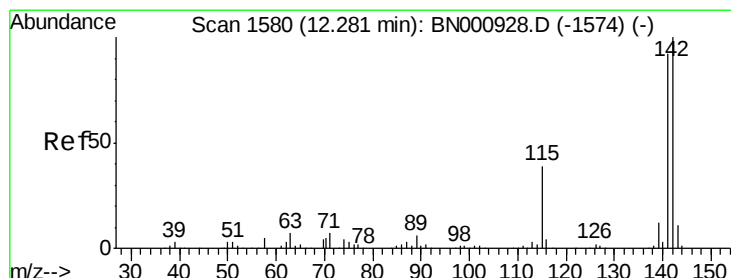
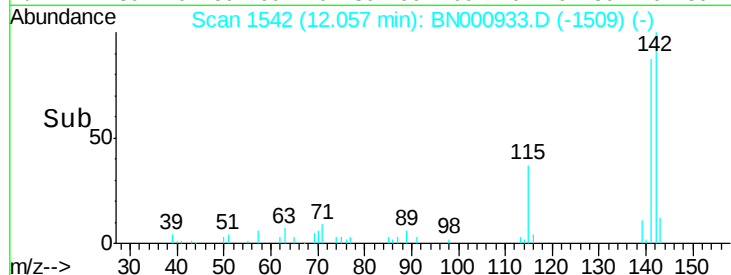
0

12.06

12.05

12.10

Time-->



#5

1-Methylnaphthalene

Concen: 1.088 ng/ul

RT: 12.28 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BN000933.D

Acq: 26 Apr 2018 15:44

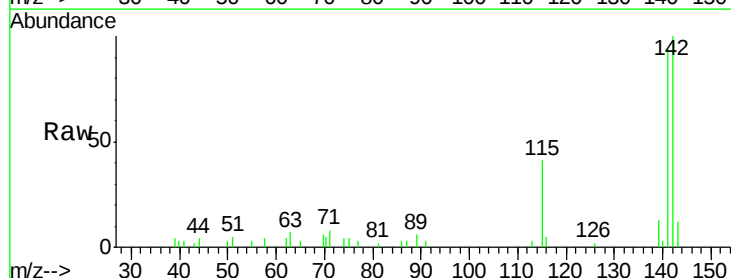
Tgt Ion:142 Resp: 22024

Ion Ratio Lower Upper

142 100

141 94.1 79.3 118.9

116 4.7 4.2 6.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

15000

10000

5000

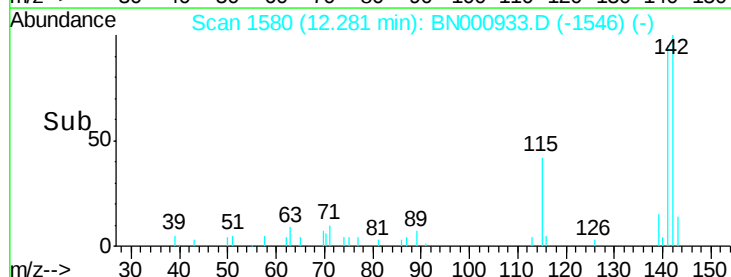
0

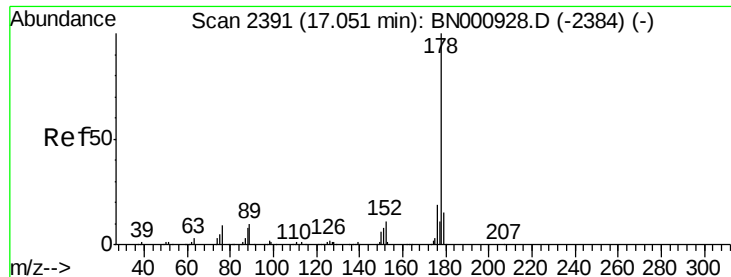
12.28

12.25

12.30

Time-->





#13

Phenanthrene

Concen: 2.929 ng/ul

RT: 17.05 min Scan# 2391

Delta R.T. 0.00 min

Lab File: BN000933.D

Acq: 26 Apr 2018 15:44

Instrument :

BNA_N

ClientSampleId :

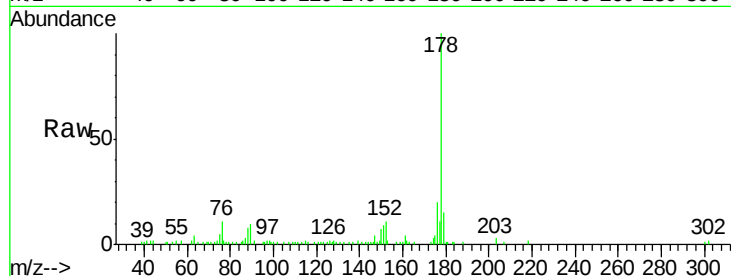
Tot Ion:178 Resp: 82256

Ion Ratio Lower Upper

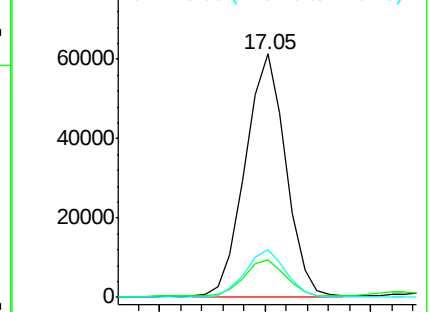
178 100

179 15.3 12.3 18.5

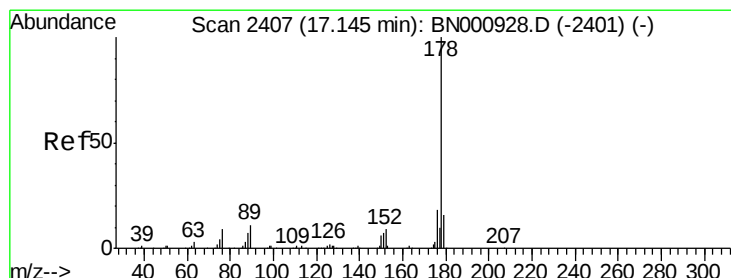
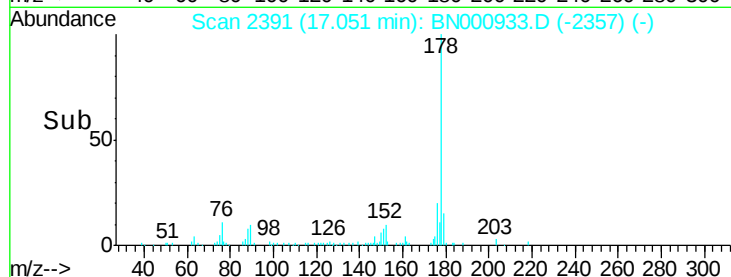
176 19.8 15.1 22.7



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-->



#15

Anthracene

Concen: 2.909 ng/ul

RT: 17.05 min Scan# 2391

Delta R.T. -0.09 min

Lab File: BN000933.D

Acq: 26 Apr 2018 15:44

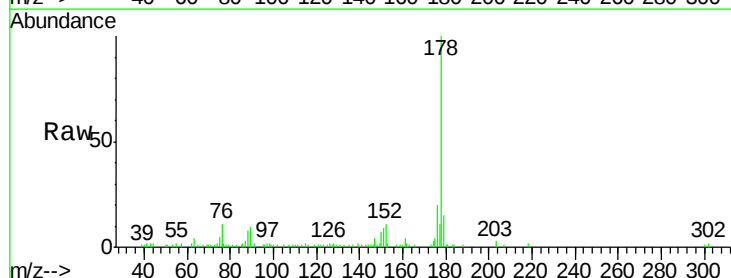
Tgt Ion:178 Resp: 81949

Ion Ratio Lower Upper

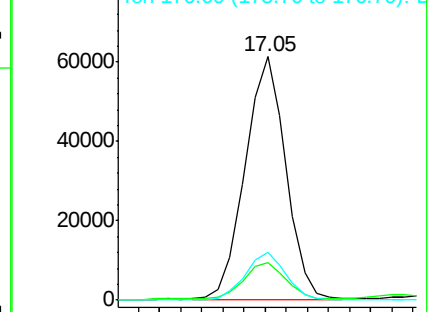
178 100

179 15.3 11.8 17.8

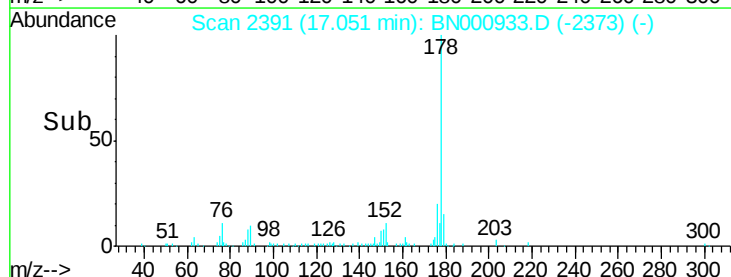
176 19.8 15.2 22.8

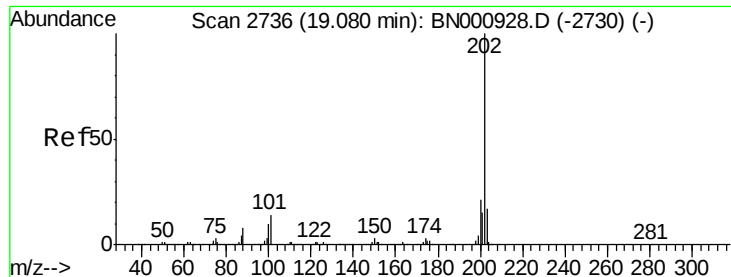


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->





#16

Fluoranthene

Concen: 4.695 ng/ul

RT: 19.07 min Scan# 2735

Delta R.T. -0.01 min

Lab File: BN000933.D

Acq: 26 Apr 2018 15:44

Instrument :

BNA_N

ClientSampleId :

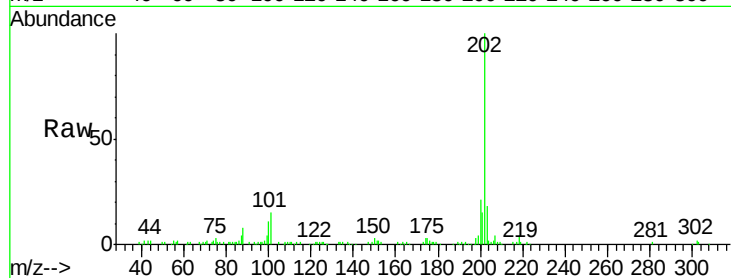
Tot Ion:202 Resp: 133780

Ion Ratio Lower Upper

202 100

101 15.3 9.9 14.9#

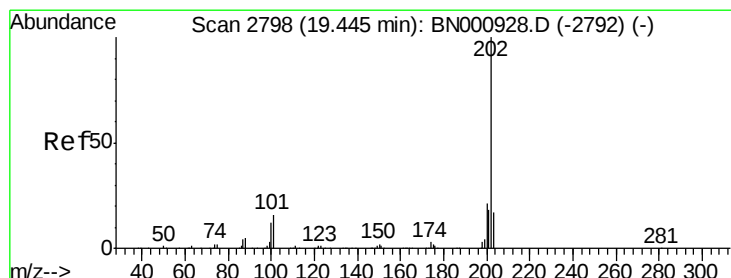
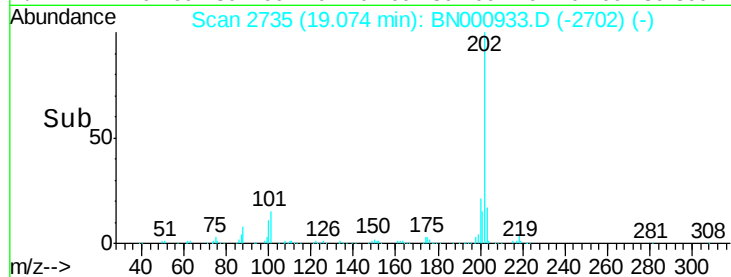
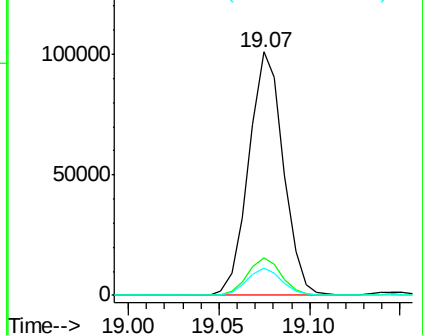
100 11.2 7.4 11.0#



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



#19

Pyrene

Concen: 4.096 ng/ul

RT: 19.45 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BN000933.D

Acq: 26 Apr 2018 15:44

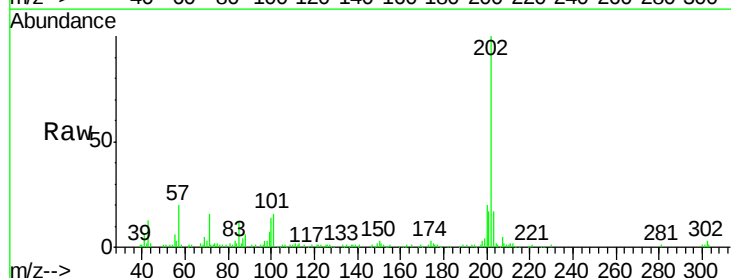
Tgt Ion:202 Resp: 119563

Ion Ratio Lower Upper

202 100

101 16.2 11.0 16.4

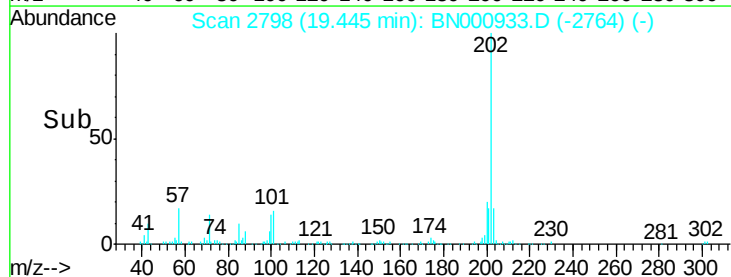
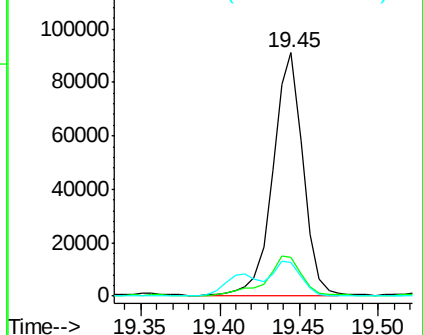
100 13.8 8.1 12.1#

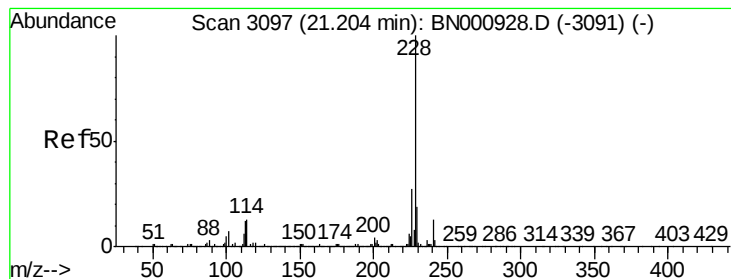


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 3.333 ng/ul

RT: 21.21 min Scan# 3098

Delta R.T. 0.01 min

Lab File: BN000933.D

Acq: 26 Apr 2018 15:44

Instrument :

BNA_N

ClientSampled :

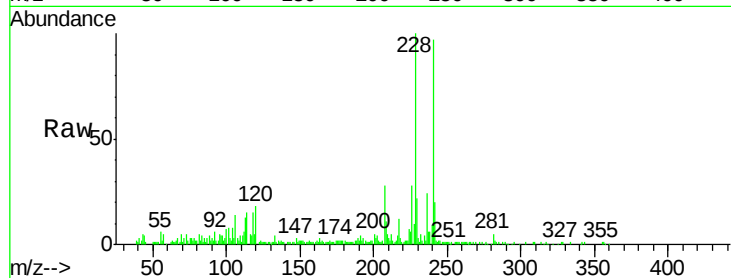
Tot Ion:228 Resp: 90550

Ion Ratio Lower Upper

228 100

229 22.2 15.7 23.5

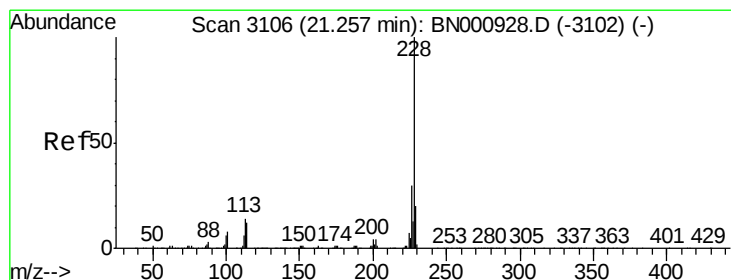
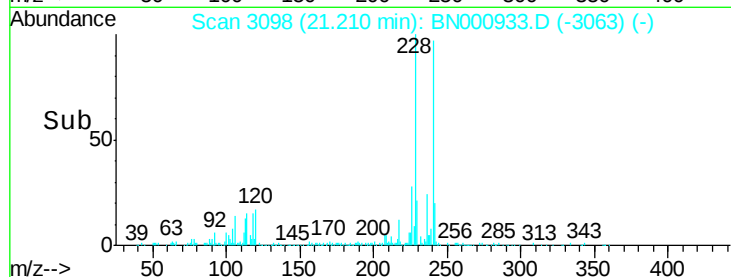
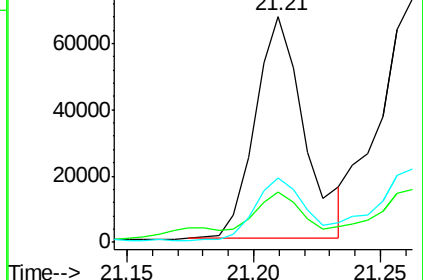
226 28.3 21.1 31.7



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



#21

Chrysene

Concen: 4.310 ng/ul

RT: 21.26 min Scan# 3107

Delta R.T. 0.01 min

Lab File: BN000933.D

Acq: 26 Apr 2018 15:44

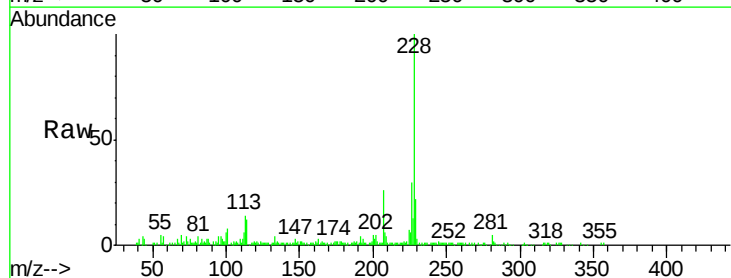
Tgt Ion:228 Resp: 110041

Ion Ratio Lower Upper

228 100

226 29.9 24.5 36.7

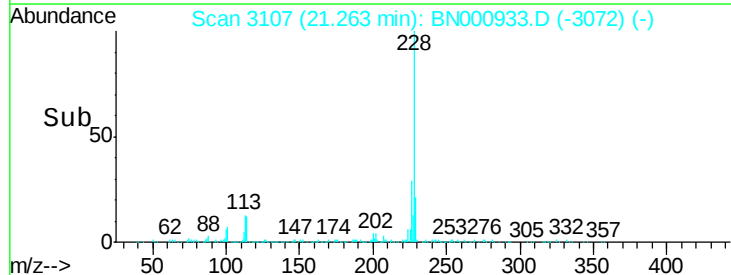
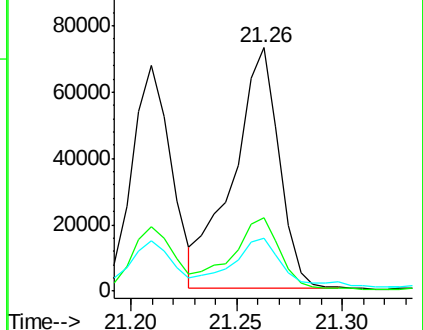
229 21.9 15.8 23.8

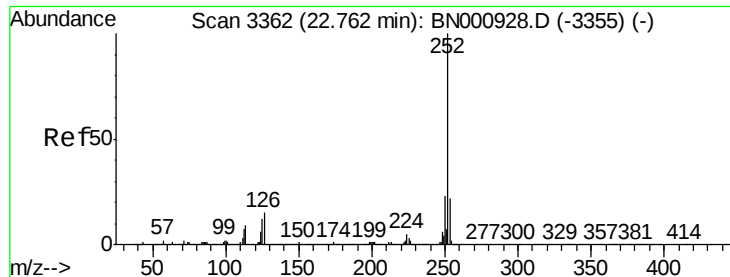


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 9.497 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. 0.01 min

Lab File: BN000933.D

Acq: 26 Apr 2018 15:44

Instrument :

BNA_N

ClientSampled :

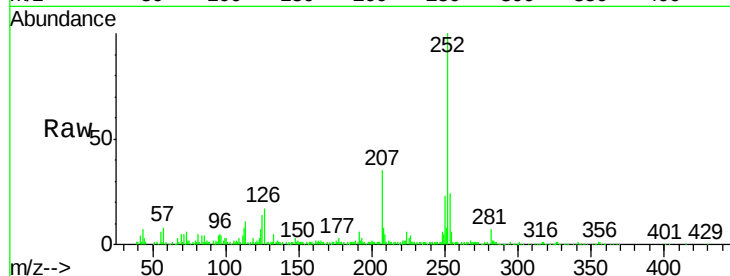
Tot Ion:252 Resp: 262846

Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

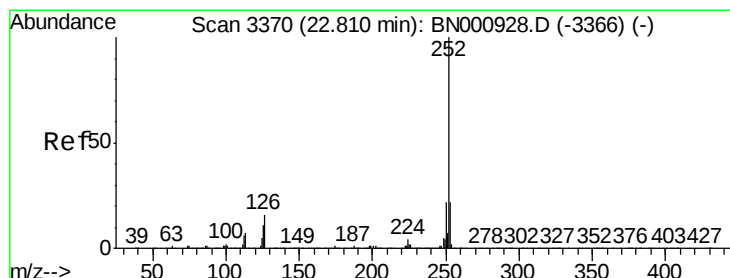
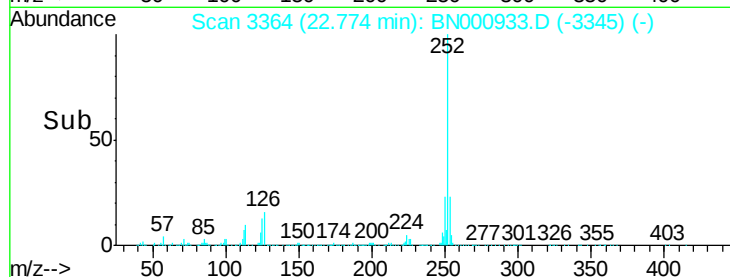
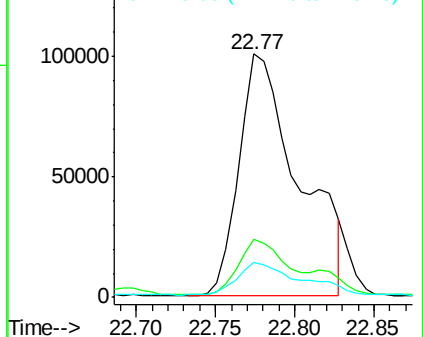
125 14.2 8.0 12.0#



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

Benzo(k)fluoranthene

Concen: 10.047 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. -0.04 min

Lab File: BN000933.D

Acq: 26 Apr 2018 15:44

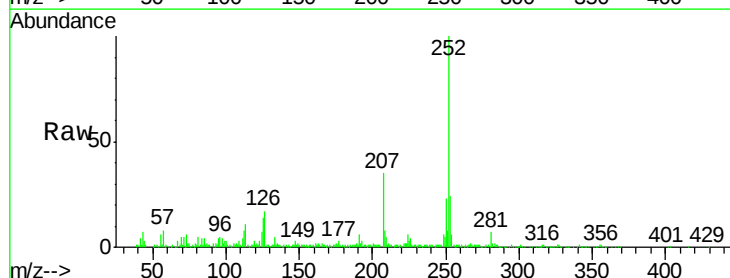
Tgt Ion:252 Resp: 272088

Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

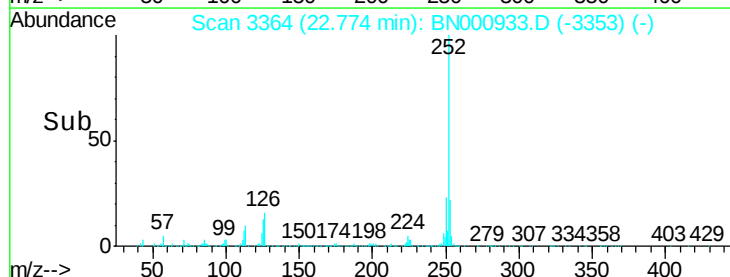
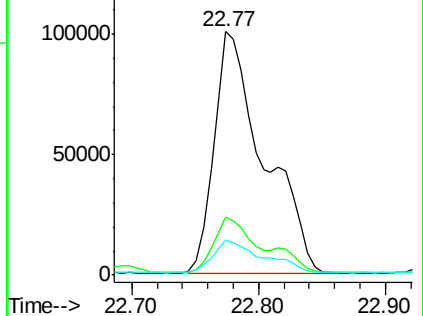
125 14.2 8.1 12.1#

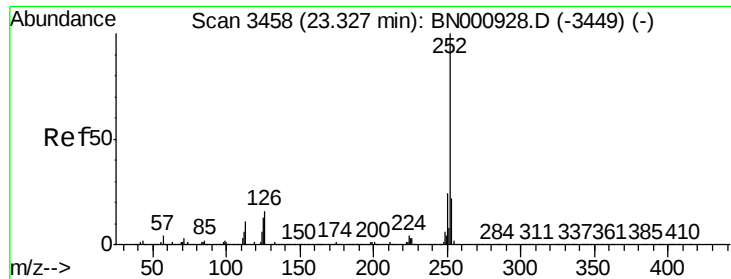


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 5.205 ng/ul

RT: 23.34 min Scan# 3460

Delta R.T. 0.01 min

Lab File: BN000933.D

Acq: 26 Apr 2018 15:44

Instrument :

BNA_N

ClientSampled :

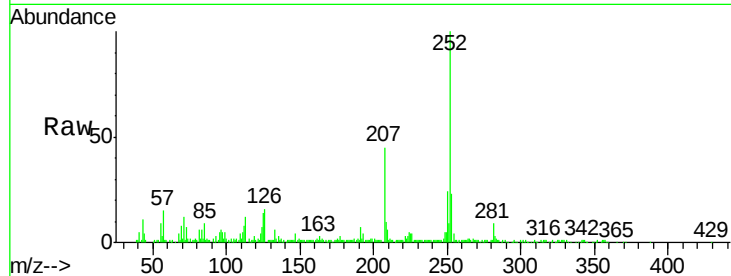
Tot Ion:252 Resp: 137657

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

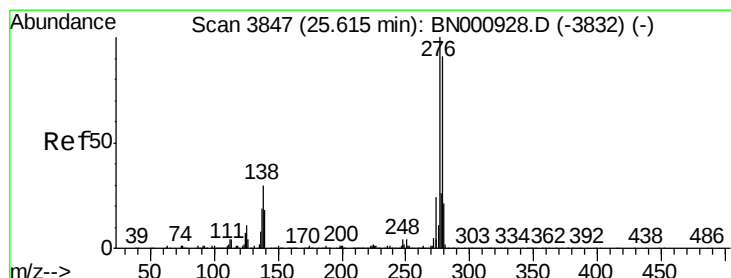
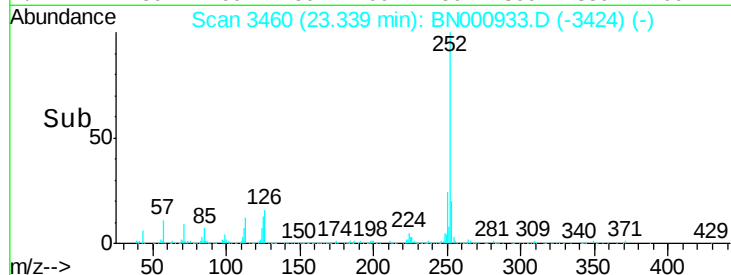
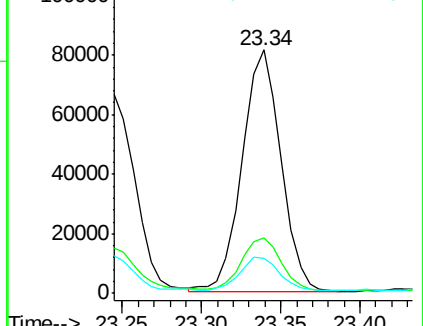
125 14.4 8.2 12.4#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 4.255 ng/ul

RT: 25.62 min Scan# 3848

Delta R.T. 0.01 min

Lab File: BN000933.D

Acq: 26 Apr 2018 15:44

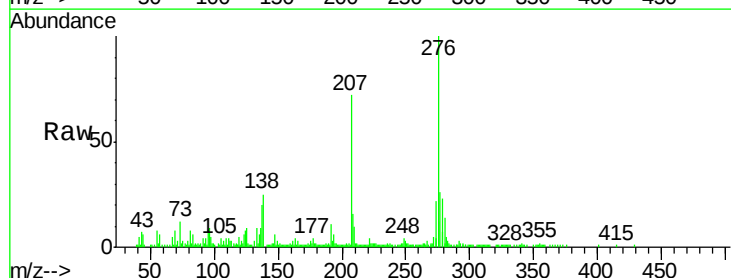
Tgt Ion:276 Resp: 135938

Ion Ratio Lower Upper

276 100

138 24.8 14.4 21.6#

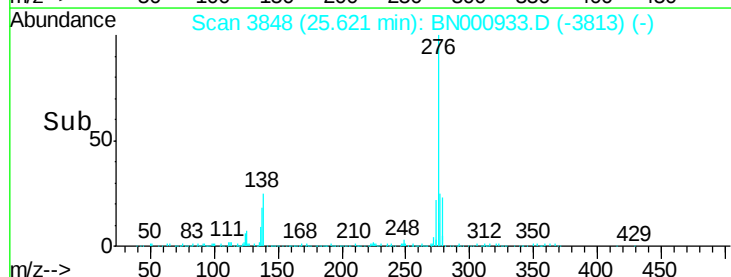
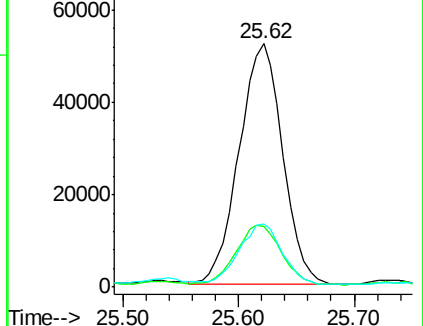
277 26.0 18.0 27.0

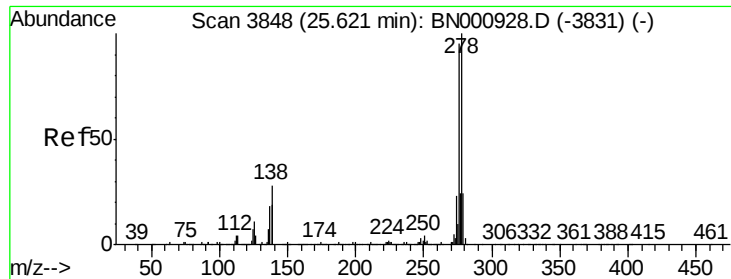


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

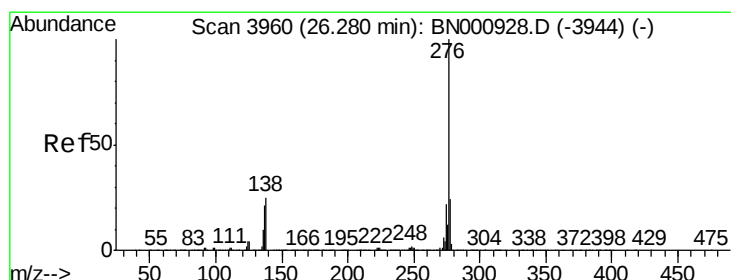
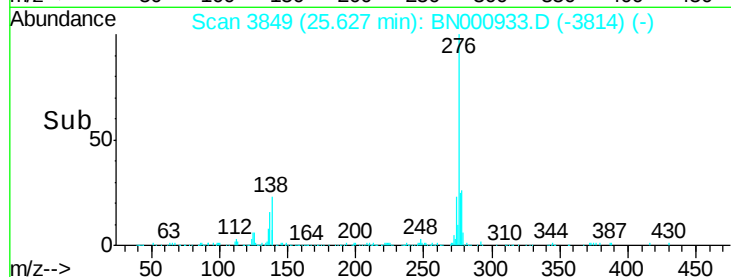
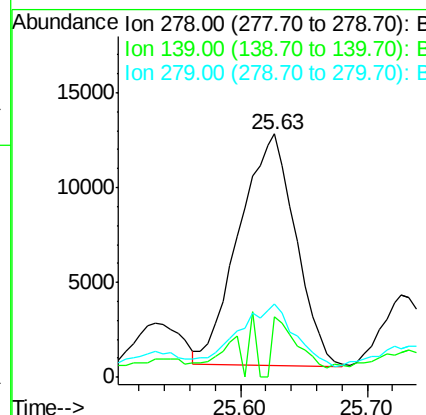
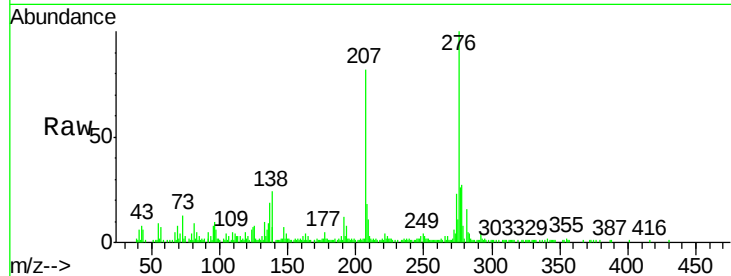




#28
Dibenzo(a,h)anthracene
Concen: 1.421 ng/ul
RT: 25.63 min Scan# 3849
Delta R.T. 0.01 min
Lab File: BN000933.D
Acq: 26 Apr 2018 15:44

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 37827
Ion Ratio Lower Upper
278 100
139 24.8 12.2 18.4#
279 30.0 19.2 28.8#



#29
Benzo(g,h,i)perylene
Concen: 4.908 ng/ul
RT: 26.29 min Scan# 3961
Delta R.T. 0.01 min
Lab File: BN000933.D
Acq: 26 Apr 2018 15:44

Tgt Ion:276 Resp: 131130
Ion Ratio Lower Upper
276 100
138 27.6 15.3 22.9#
277 25.2 19.0 28.4

