

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008340.D
 Acq On : 23 Oct 2019 06:55
 Operator : JU
 Sample : K5223-19
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 23 07:47:05 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	1779	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.35	136	8546	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.22	164	5253	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-16.97
16) Chrysene-d12	21.17	240	10710	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	9085	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.95	152	3546	0.25	ng/ul	-0.01
14) Fluoranthene-d10	19.00	212	10617	0.00	ng/ul	-0.01

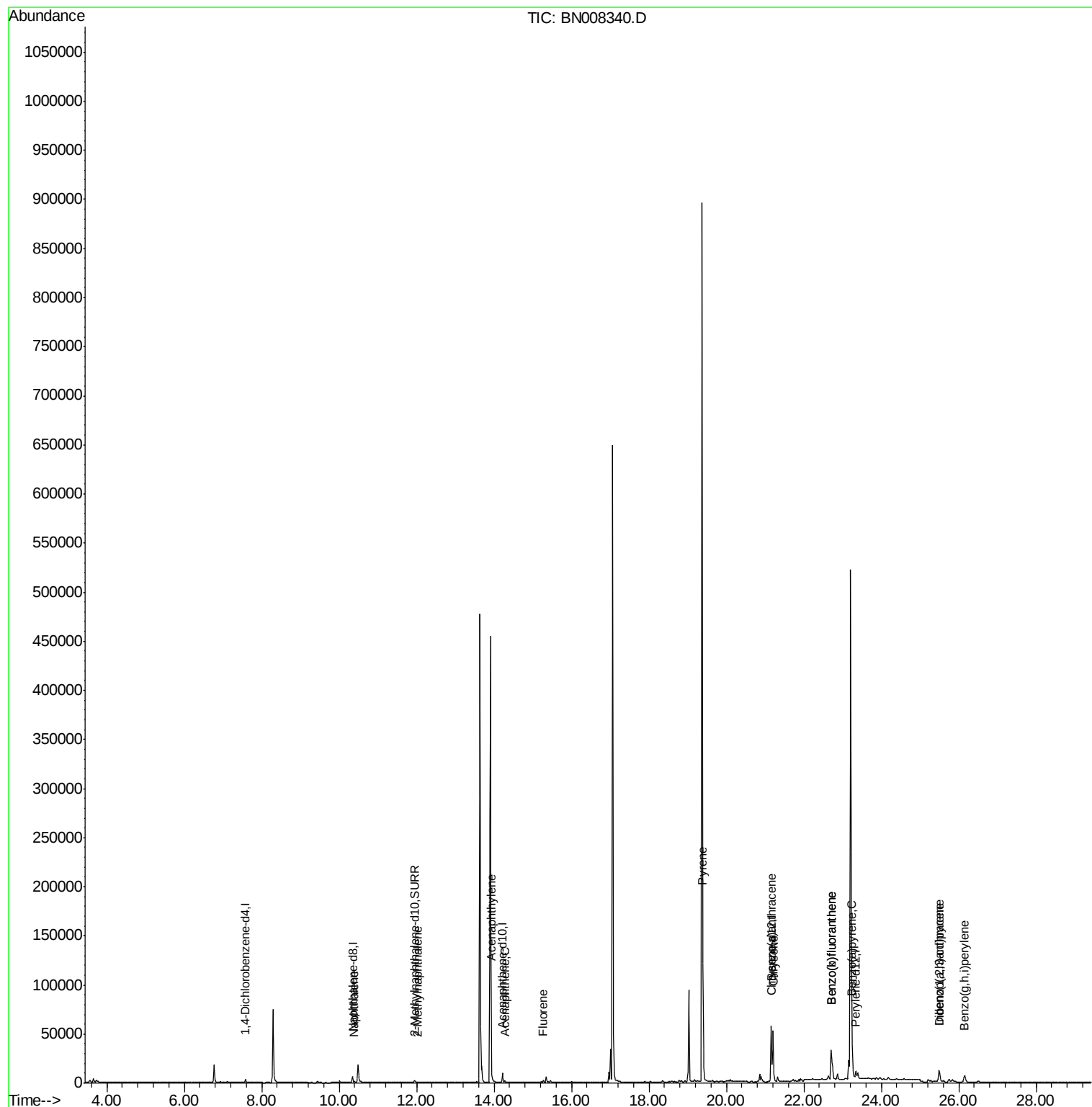
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.39	128	1113	0.046	ng/ul#	83
5) 2-Methylnaphthalene	12.02	142	576	0.035	ng/ul	97
7) Acenaphthylene	13.93	152	3493	0.140	ng/ul	94
8) Acenaphthene	14.28	153	1112	0.057	ng/ul	98
9) Fluorene	15.27	166	1454	0.066	ng/ul#	95
17) Pyrene	19.40	202	85008	1.993	ng/ul	98
18) Benzo(a)anthracene	21.15	228	49150	1.262	ng/ul	97
19) Chrysene	21.21	228	53278	1.115	ng/ul	99
21) Benzo(b)fluoranthene	22.70	252	66748	2.257	ng/ul	95
22) Benzo(k)fluoranthene	22.70	252	66748	1.992	ng/ul	96
23) Benzo(a)pyrene	23.25	252	34229	1.100	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.49	276	17687	0.483	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.50	278	4867	0.168	ng/ul#	85
26) Benzo(g,h,i)perylene	26.15	276	14563	0.433	ng/ul	97

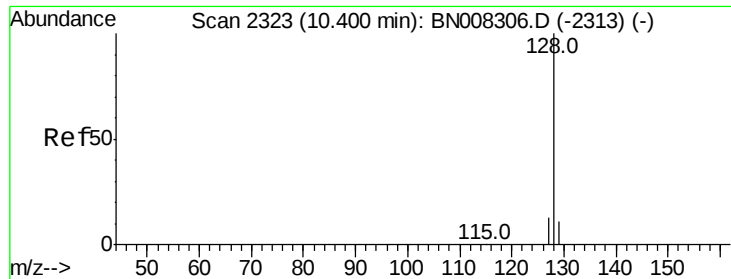
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.046 ng/ul

RT: 10.39 min Scan# 2321

Delta R.T. -0.01 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

Instrument :

BNA_N

ClientSampleId :

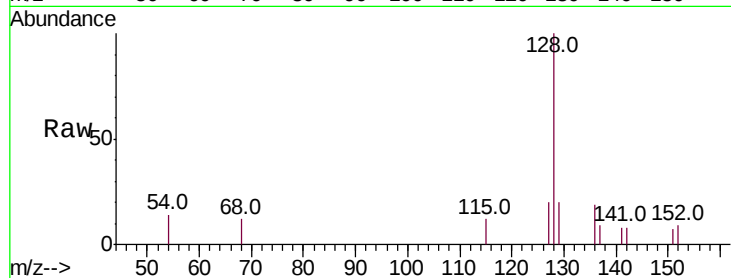
Tot Ion:128 Resp: 1113

Ion Ratio Lower Upper

128 100

129 20.0 9.8 14.8#

127 20.0 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

10.39

800

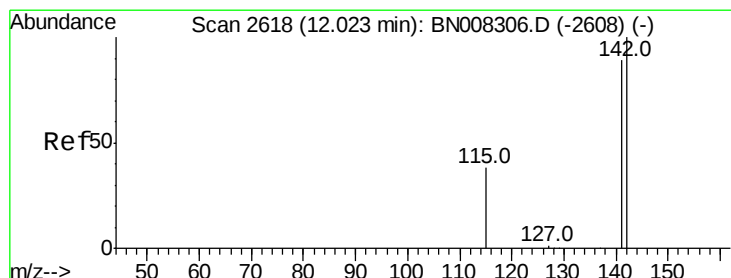
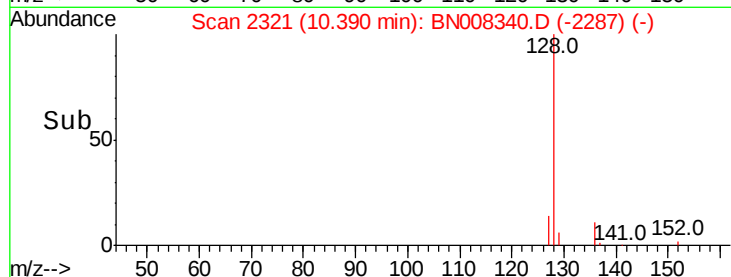
600

400

200

0

Time--> 10.30 10.40



#5

2-Methylnaphthalene

Concen: 0.035 ng/ul

RT: 12.02 min Scan# 2617

Delta R.T. -0.01 min

Lab File: BN008340.D

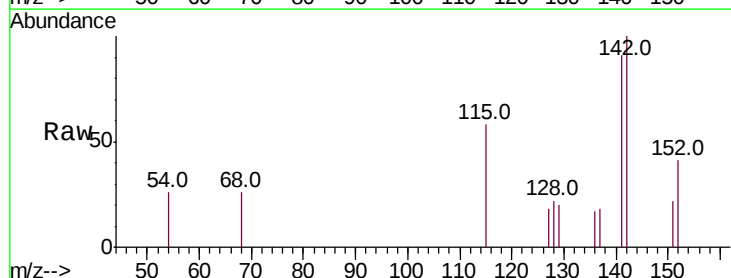
Acq: 23 Oct 2019 06:55

Tgt Ion:142 Resp: 576

Ion Ratio Lower Upper

142 100

141 86.8 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.02

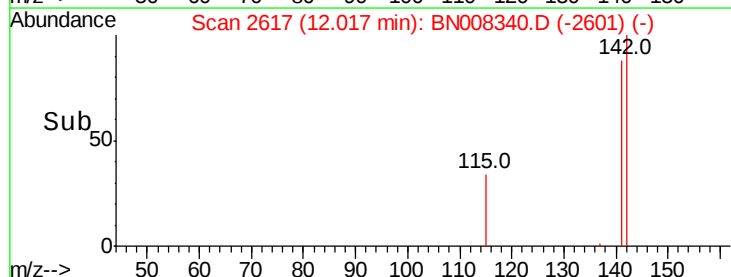
300

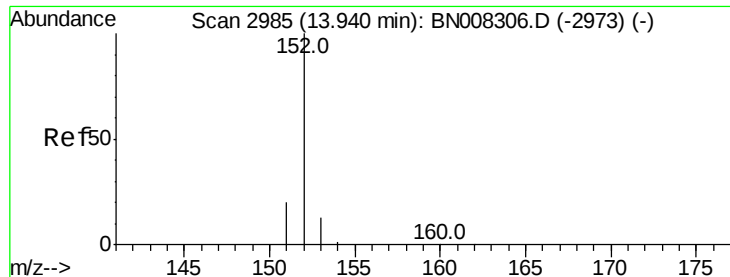
200

100

0

Time--> 11.90 12.00 12.10





#7

Acenaphthylene

Concen: 0.140 ng/ul

RT: 13.93 min Scan# 2983

Delta R.T. -0.01 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

Instrument :

BNA_N

ClientSampled :

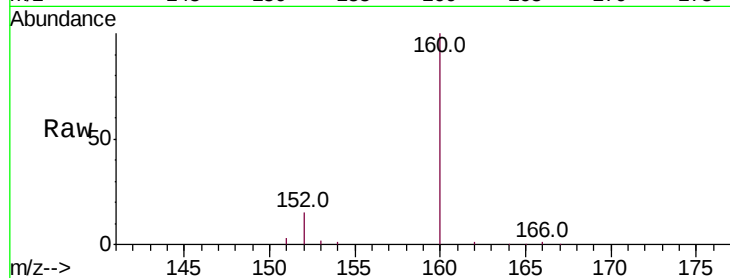
Tot Ion:152 Resp: 3493

Ion Ratio Lower Upper

152 100

151 22.5 16.2 24.4

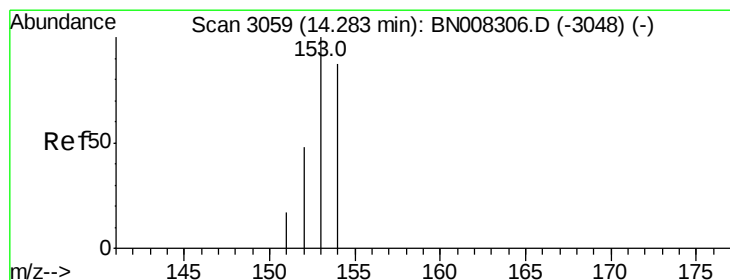
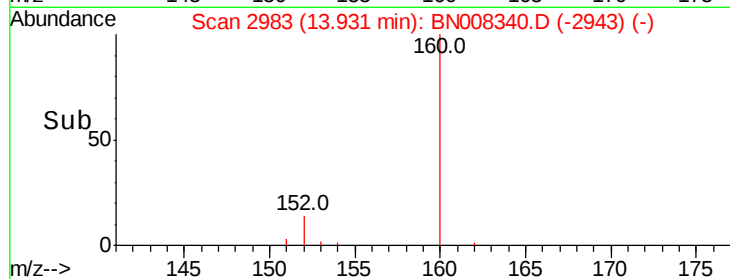
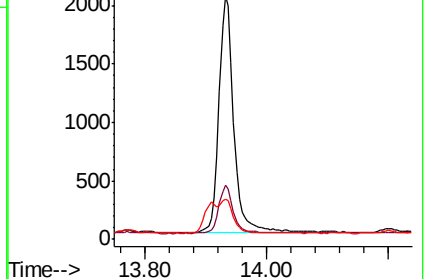
153 16.4 11.0 16.4



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



#8

Acenaphthene

Concen: 0.057 ng/ul

RT: 14.28 min Scan# 3058

Delta R.T. -0.01 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

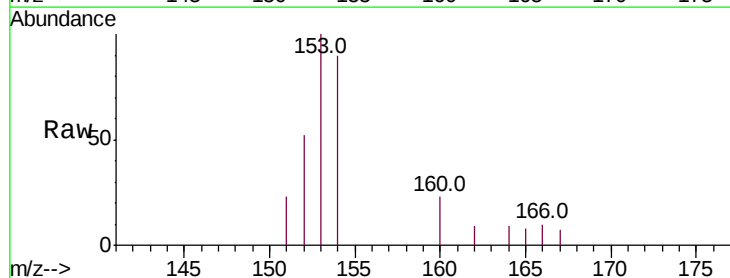
Tgt Ion:153 Resp: 1112

Ion Ratio Lower Upper

153 100

152 52.0 38.2 57.2

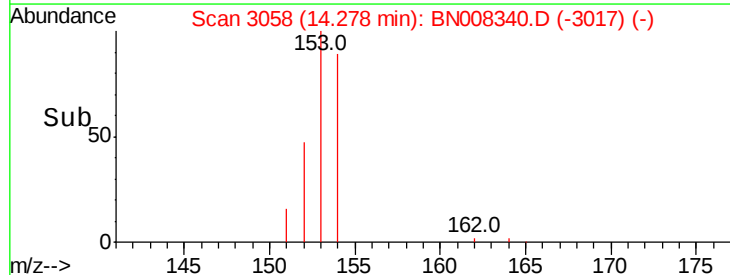
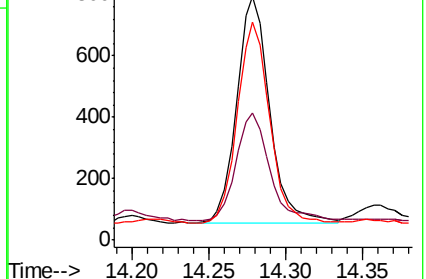
154 89.5 71.8 107.8

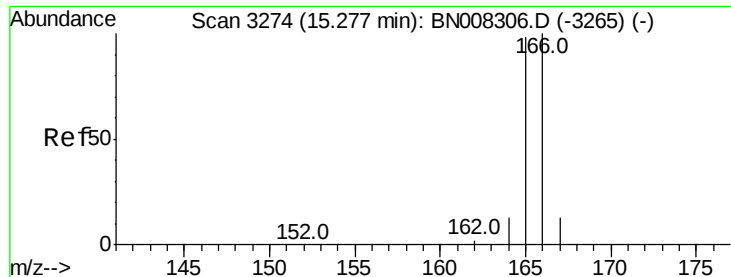


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.066 ng/ul

RT: 15.27 min Scan# 3273

Delta R.T. -0.01 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

Instrument :

BNA_N

ClientSampleId :

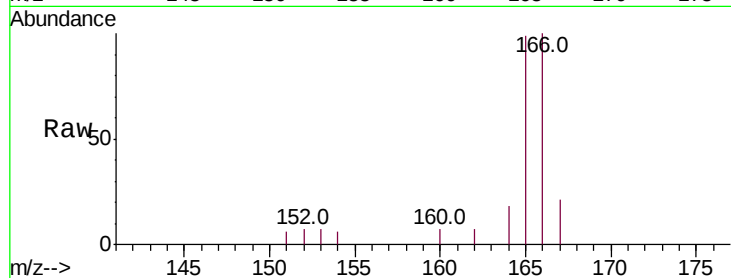
Tot Ion:166 Resp: 1454

Ion Ratio Lower Upper

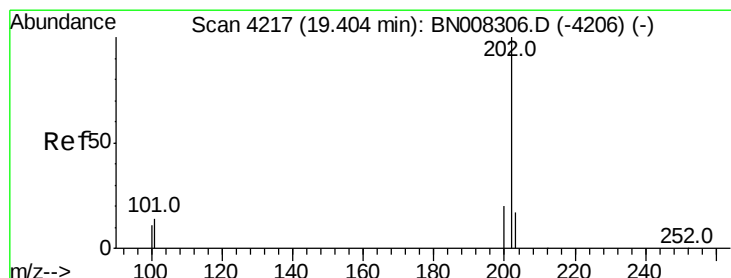
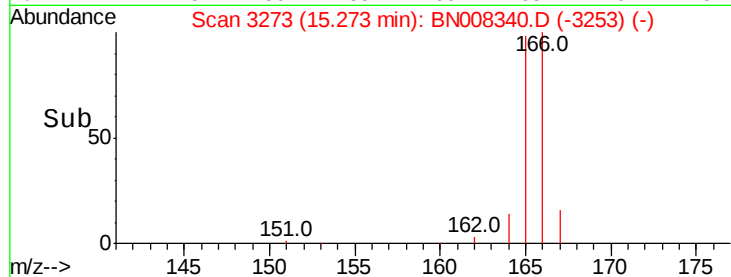
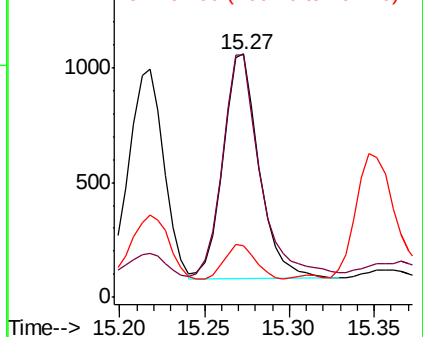
166 100

165 99.3 76.6 115.0

167 21.2 11.7 17.5#



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



#17

Pyrene

Concen: 1.993 ng/ul

RT: 19.40 min Scan# 4215

Delta R.T. -0.01 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

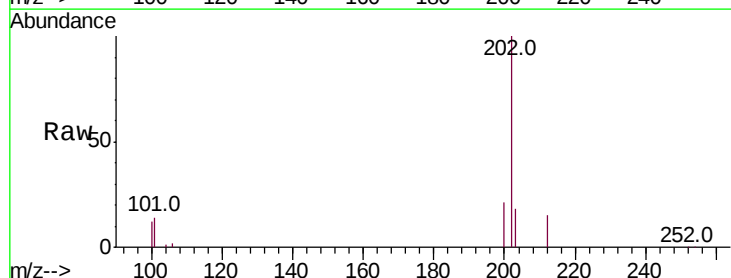
Tgt Ion:202 Resp: 85008

Ion Ratio Lower Upper

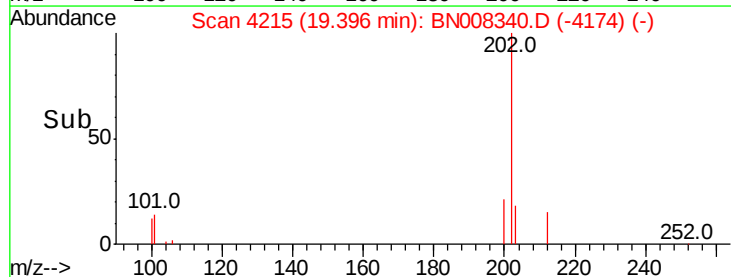
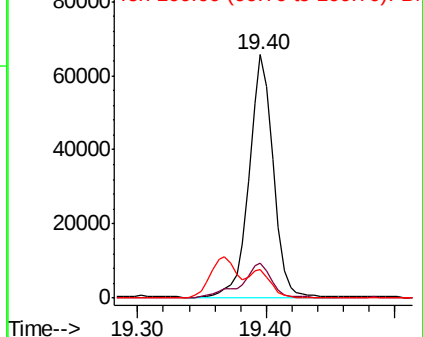
202 100

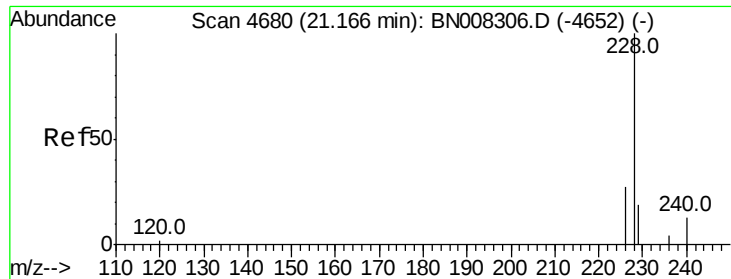
101 14.3 10.9 16.3

100 11.9 8.7 13.1



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





#18

Benzo(a)anthracene

Concen: 1.262 ng/ul

RT: 21.15 min Scan# 4676

Delta R.T. -0.01 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

Instrument :

BNA_N

ClientSampleId :

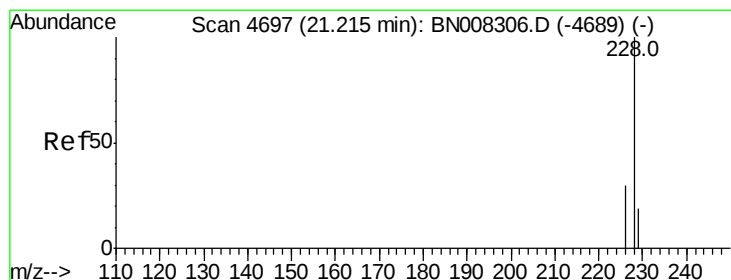
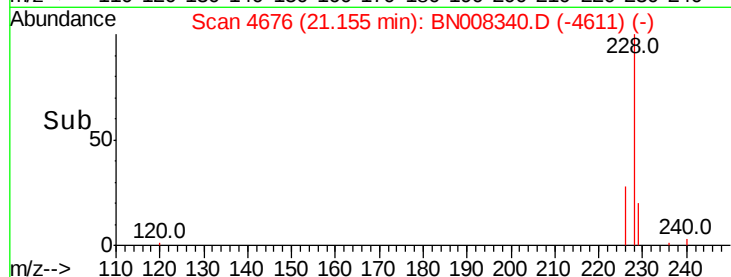
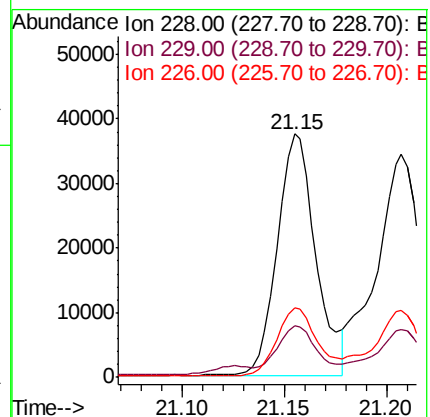
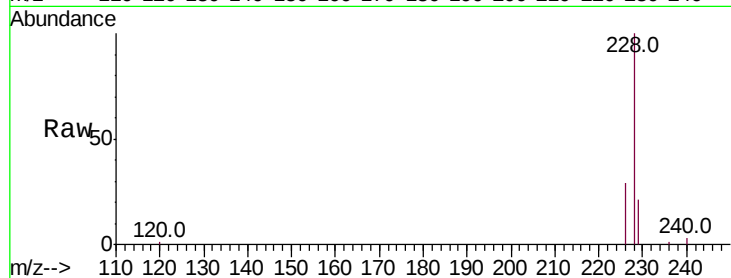
Tot Ion:228 Resp: 49150

Ion Ratio Lower Upper

228 100

229 21.1 16.2 24.2

226 28.5 21.4 32.0



#19

Chrysene

Concen: 1.115 ng/ul

RT: 21.21 min Scan# 4694

Delta R.T. -0.01 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

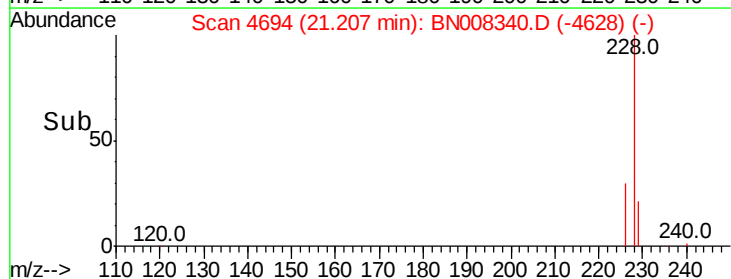
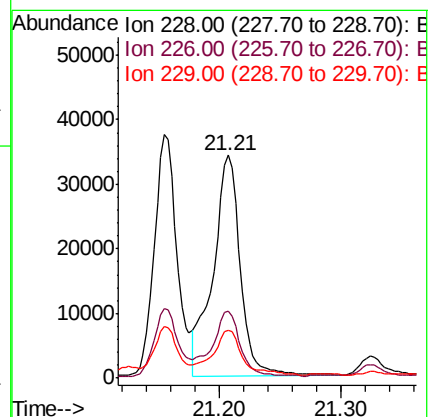
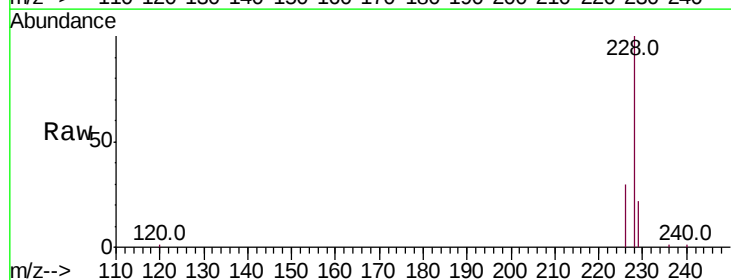
Tgt Ion:228 Resp: 53278

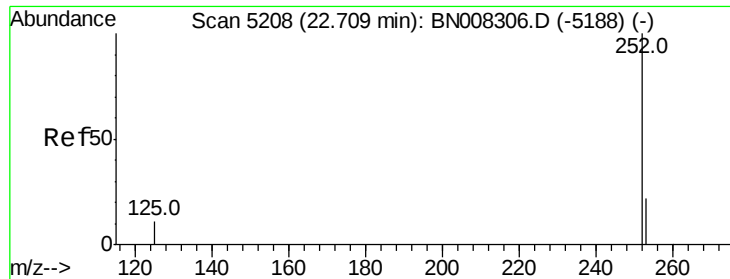
Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

229 21.7 16.2 24.2





#21

Benzo(b)fluoranthene

Concen: 2.257 ng/ul

RT: 22.70 min Scan# 5205

Delta R.T. -0.01 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

Instrument :

BNA_N

ClientSampleId :

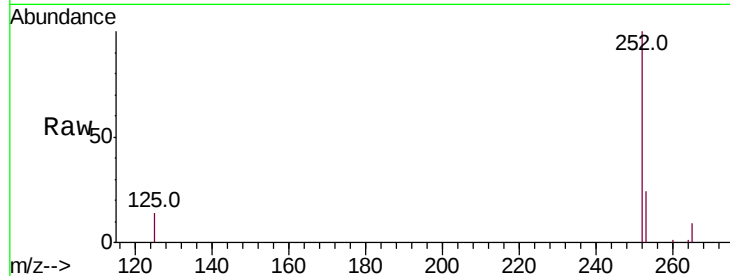
Tot Ion:252 Resp: 66748

Ion Ratio Lower Upper

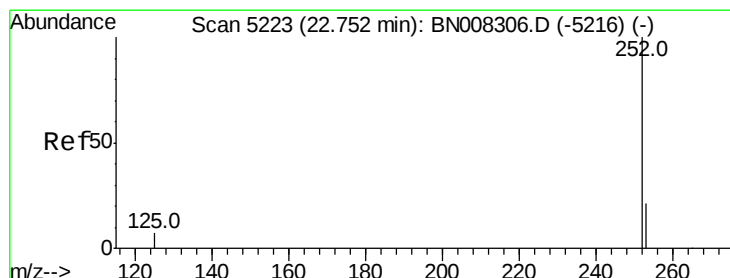
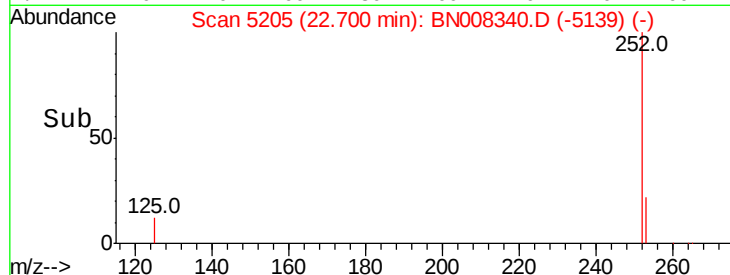
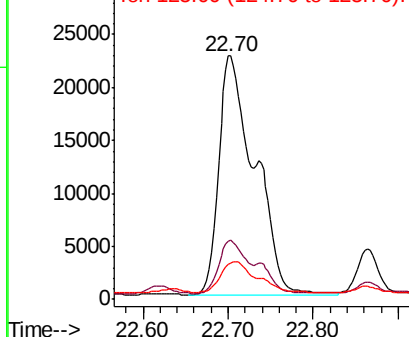
252 100

253 24.1 0.0 53.4

125 14.4 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: 1.992 ng/ul

RT: 22.70 min Scan# 5205

Delta R.T. -0.05 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

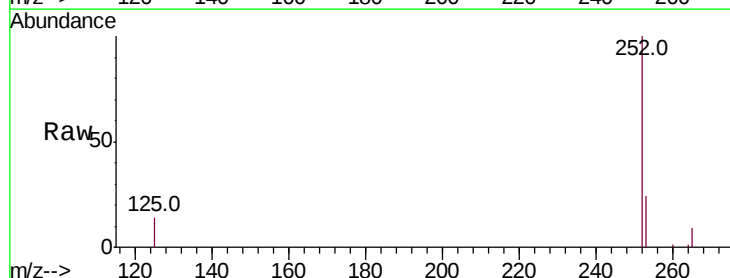
Tgt Ion:252 Resp: 66748

Ion Ratio Lower Upper

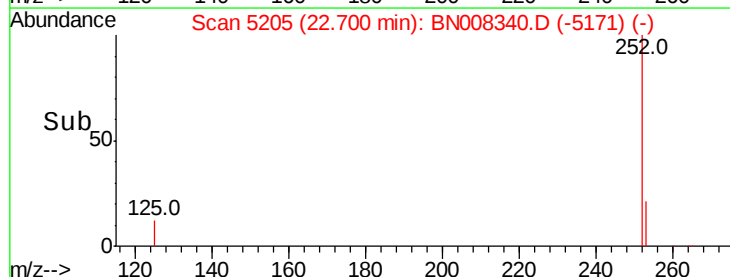
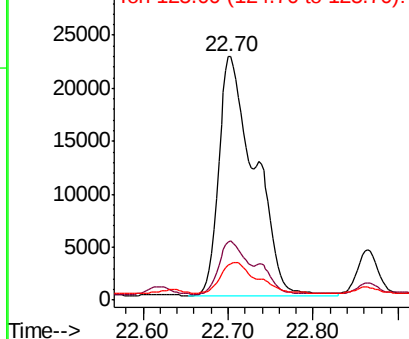
252 100

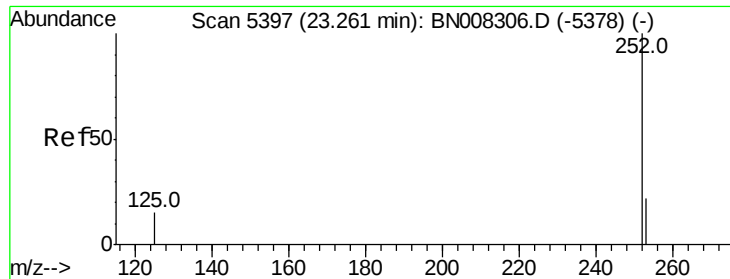
253 24.1 21.3 31.9

125 14.4 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: 1.100 ng/ul

RT: 23.25 min Scan# 5393

Delta R.T. -0.01 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

Instrument :

BNA_N

ClientSampleId :

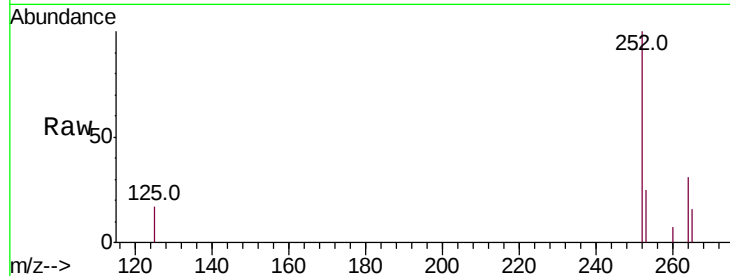
Tot Ion:252 Resp: 34229

Ion Ratio Lower Upper

252 100

253 24.5 22.8 34.2

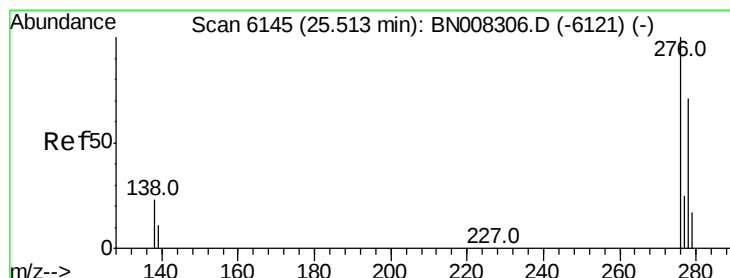
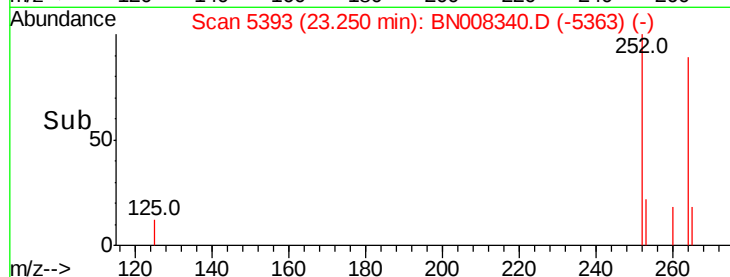
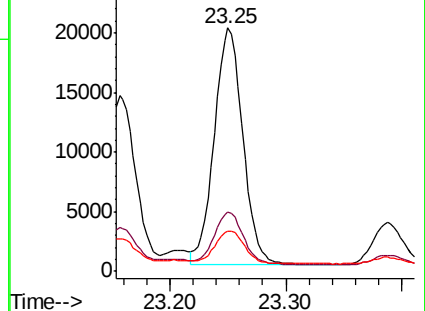
125 16.7 18.4 27.6#



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: 0.483 ng/ul

RT: 25.49 min Scan# 6139

Delta R.T. -0.02 min

Lab File: BN008340.D

Acq: 23 Oct 2019 06:55

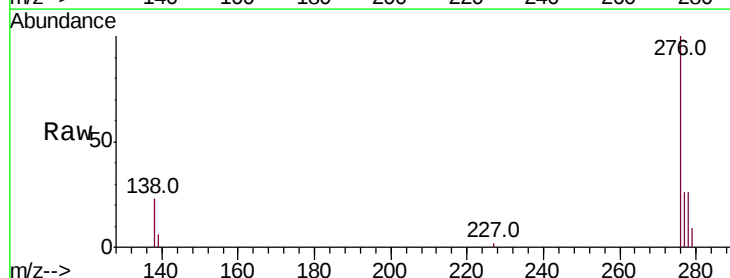
Tgt Ion:276 Resp: 17687

Ion Ratio Lower Upper

276 100

138 24.9 16.1 24.1#

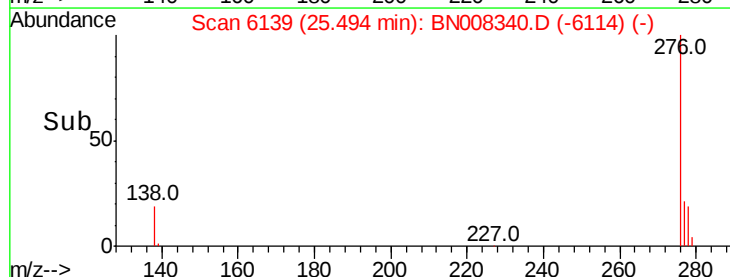
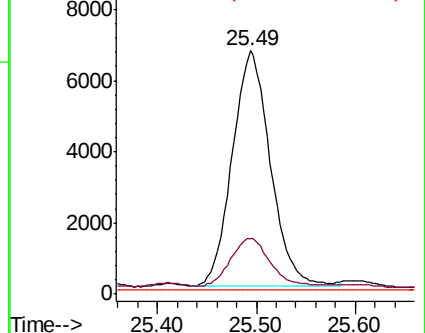
227 0.2 0.2 0.2#

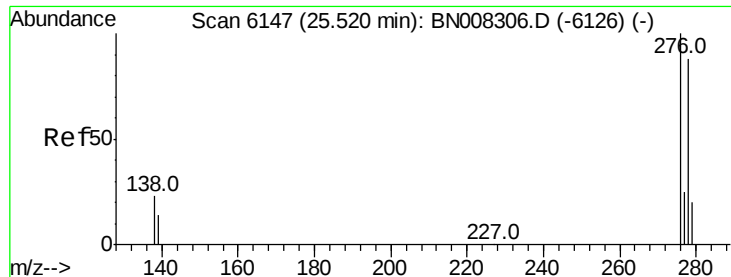


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

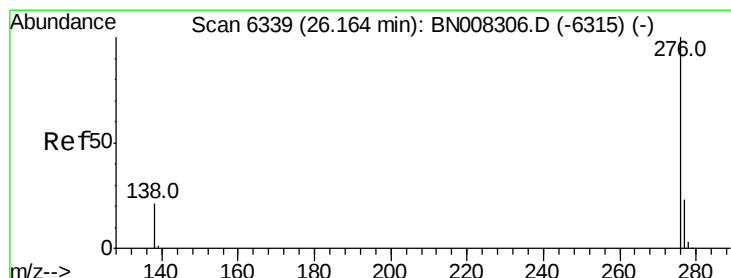
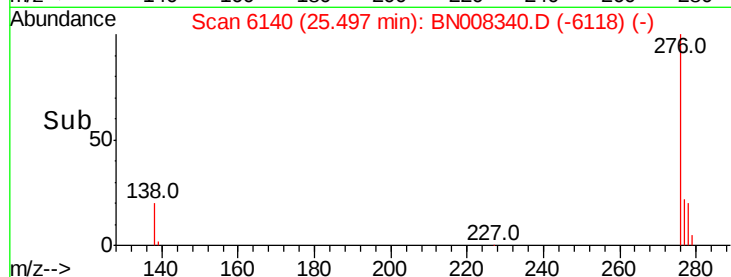
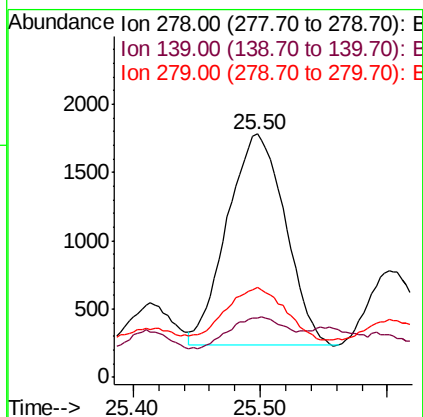
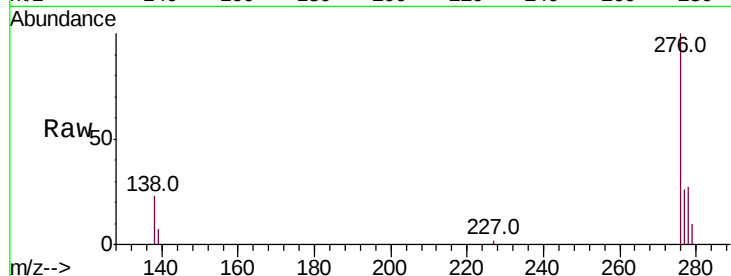




#25
Dibenzo(a,h)anthracene
Concen: 0.168 ng/ul
RT: 25.50 min Scan# 6140
Delta R.T. -0.03 min
Lab File: BN008340.D
Acq: 23 Oct 2019 06:55

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 4867
Ion Ratio Lower Upper
278 100
139 24.5 15.0 22.6#
279 36.8 22.4 33.6#



#26
Benzo(g,h,i)perylene
Concen: 0.433 ng/ul
RT: 26.15 min Scan# 6334
Delta R.T. -0.02 min
Lab File: BN008340.D
Acq: 23 Oct 2019 06:55

Tgt Ion:276 Resp: 14563
Ion Ratio Lower Upper
276 100
138 23.7 17.0 25.4
277 26.2 20.4 30.6

