

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102419\
 Data File : BN008397.D
 Acq On : 24 Oct 2019 20:49
 Operator : JU
 Sample : K5235-19DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 24 22:05:35 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 : Wed Oct 23 14:07:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1584	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.34	136	7702	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.21	164	5037	0.40	ng/ul	-0.01
10) Phenanthrene-d10	16.96	188	10636	0.40	ng/ul	-0.02
16) Chrysene-d12	21.17	240	9352	0.40	ng/ul	-0.01
20) Perylene-d12	23.34	264	7786	0.40	ng/ul	-0.02

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	345	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	1176	0.03	ng/ul	-0.02

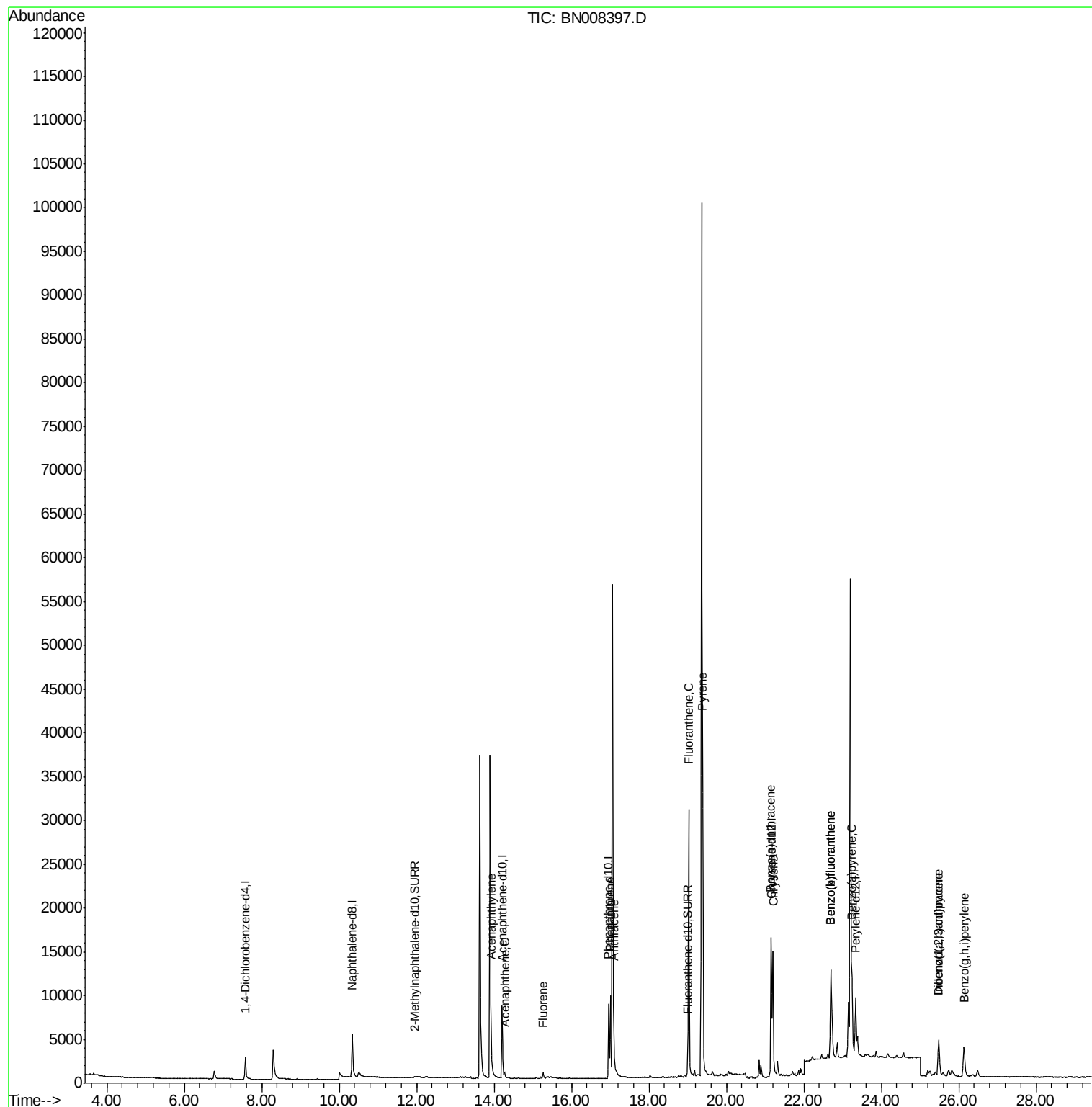
Target Compounds				Ovalue		
7) Acenaphthylene	13.93	152	1189	0.050	ng/ul#	86
8) Acenaphthene	14.27	153	386	0.021	ng/ul#	94
9) Fluorene	15.27	166	525	0.025	ng/ul#	92
12) Phenanthrene	17.00	178	10724	0.344	ng/ul	100
13) Anthracene	17.09	178	2578	0.094	ng/ul#	92
15) Fluoranthene	19.03	202	28428	0.691	ng/ul	99
17) Pyrene	19.39	202	28750	0.772	ng/ul	98
18) Benzo(a)anthracene	21.15	228	13272	0.390	ng/ul	96
19) Chrysene	21.20	228	14484	0.347	ng/ul	98
21) Benzo(b)fluoranthene	22.70	252	22852	0.902	ng/ul	98
22) Benzo(k)fluoranthene	22.70	252	22852	0.796	ng/ul	97
23) Benzo(a)pyrene	23.24	252	11241	0.421	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.48	276	7097	0.226	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.49	278	1536	0.062	ng/ul#	62
26) Benzo(g,h,i)perylene	26.14	276	7051	0.245	ng/ul	95

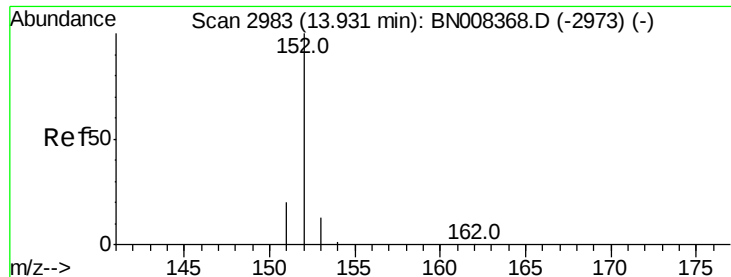
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.050 ng/ul

RT: 13.93 min Scan# 2982

Delta R.T. -0.02 min

Lab File: BN008397.D

Acq: 24 Oct 2019 20:49

Instrument :

BNA_N

ClientSampleId :

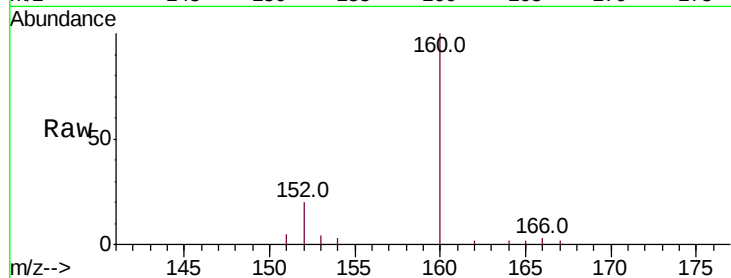
Tot Ion:152 Resp: 1189

Ion Ratio Lower Upper

152 100

151 25.9 16.2 24.4#

153 20.6 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

13.93

600

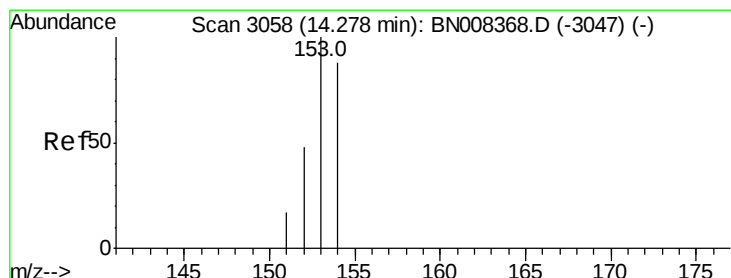
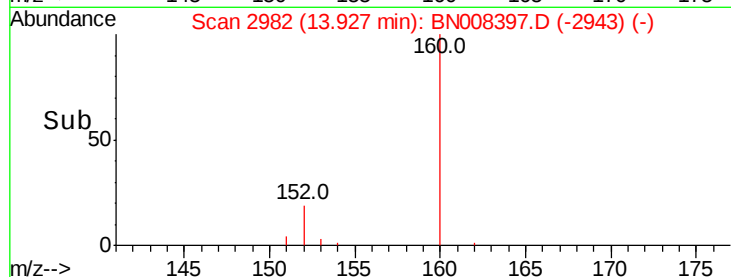
400

200

0

Time-->

13.80 14.00



#8

Acenaphthene

Concen: 0.021 ng/ul

RT: 14.27 min Scan# 3057

Delta R.T. -0.01 min

Lab File: BN008397.D

Acq: 24 Oct 2019 20:49

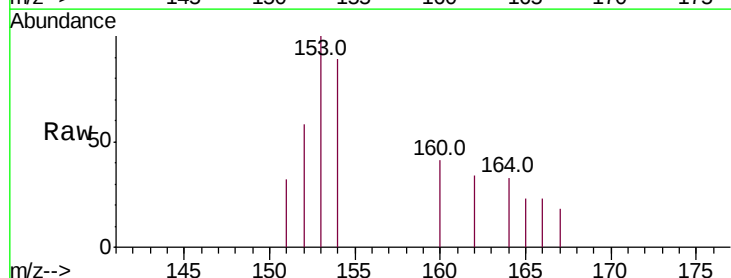
Tgt Ion:153 Resp: 386

Ion Ratio Lower Upper

153 100

152 57.8 38.2 57.2#

154 88.5 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

14.27

400

300

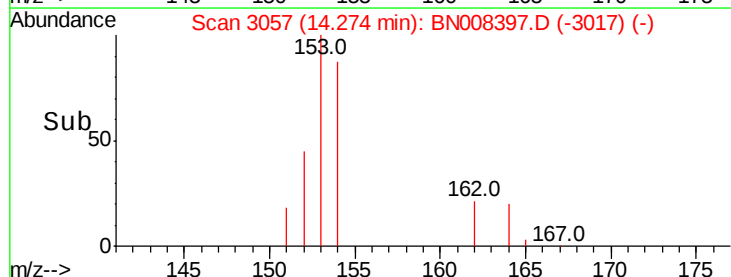
200

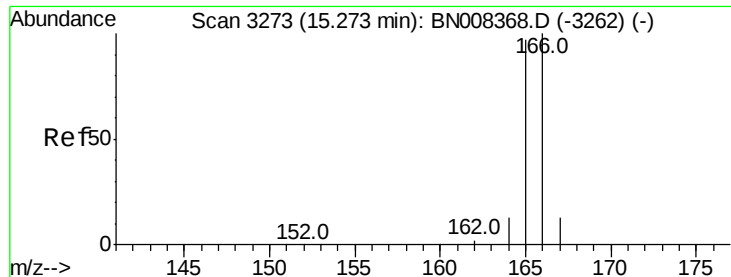
100

0

Time-->

14.20 14.25 14.30 14.35





#9

Fluorene

Concen: 0.025 ng/ul

RT: 15.27 min Scan# 3272

Delta R.T. -0.01 min

Lab File: BN008397.D

Acq: 24 Oct 2019 20:49

Instrument :

BNA_N

ClientSampleId :

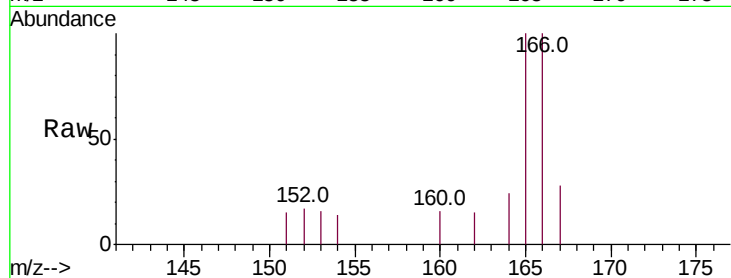
Tot Ion:166 Resp: 525

Ion Ratio Lower Upper

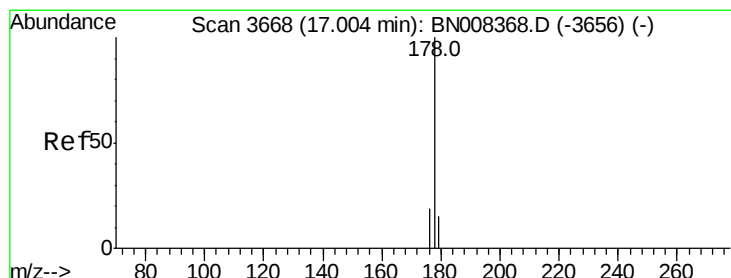
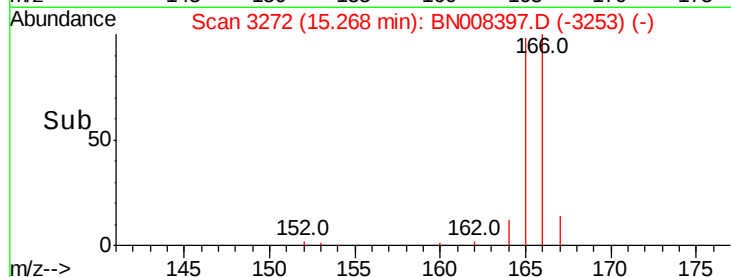
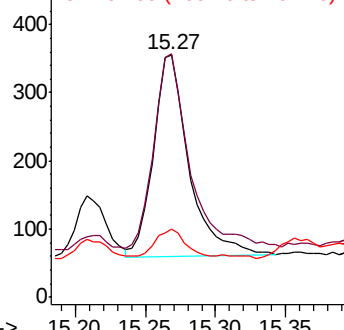
166 100

165 100.3 76.6 115.0

167 27.8 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



#12

Phenanthrene

Concen: 0.344 ng/ul

RT: 17.00 min Scan# 3667

Delta R.T. -0.02 min

Lab File: BN008397.D

Acq: 24 Oct 2019 20:49

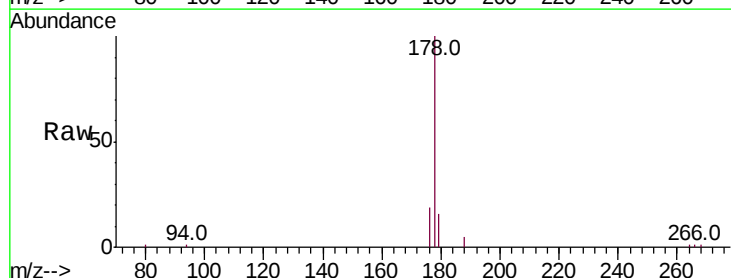
Tgt Ion:178 Resp: 10724

Ion Ratio Lower Upper

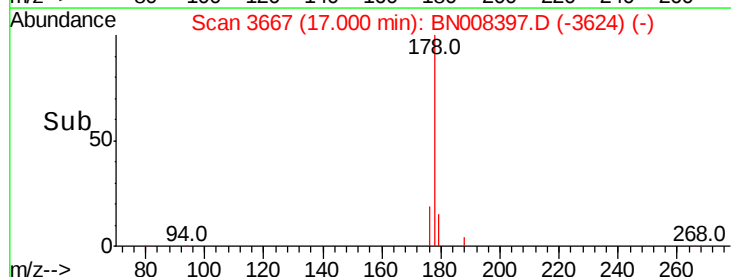
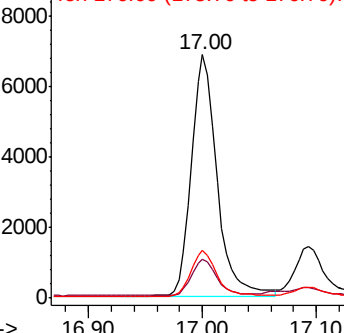
178 100

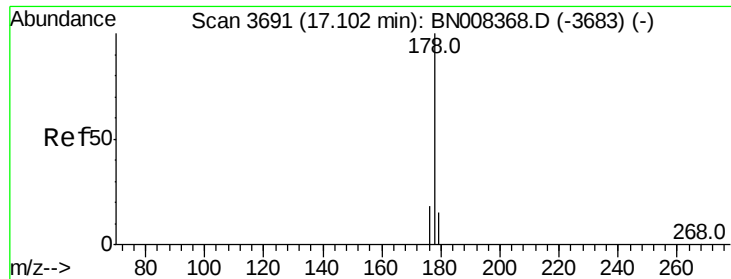
179 16.2 12.8 19.2

176 19.4 15.4 23.2



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: 0.094 ng/ul

RT: 17.09 min Scan# 3689

Delta R.T. -0.02 min

Lab File: BN008397.D

Acq: 24 Oct 2019 20:49

Instrument :

BNA_N

ClientSampleId :

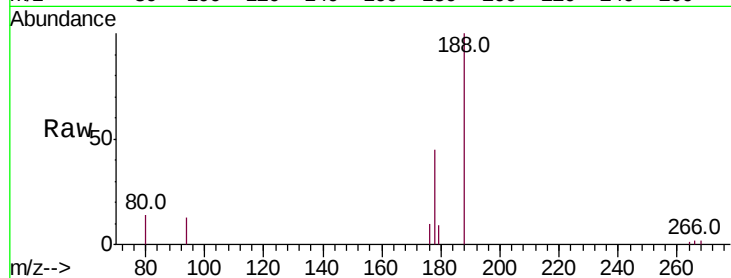
Tot Ion:178 Resp: 2578

Ion Ratio Lower Upper

178 100

179 20.7 13.0 19.6#

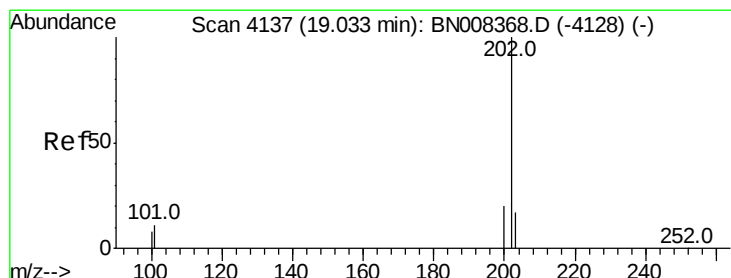
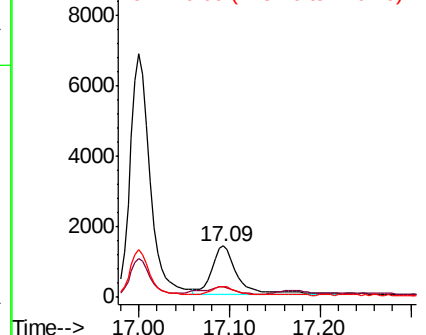
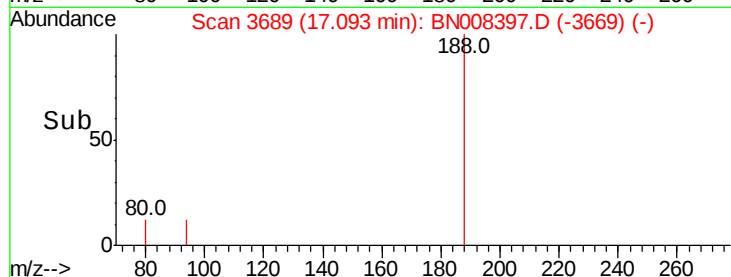
176 21.4 15.0 22.6



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: 0.691 ng/ul

RT: 19.03 min Scan# 4136

Delta R.T. -0.01 min

Lab File: BN008397.D

Acq: 24 Oct 2019 20:49

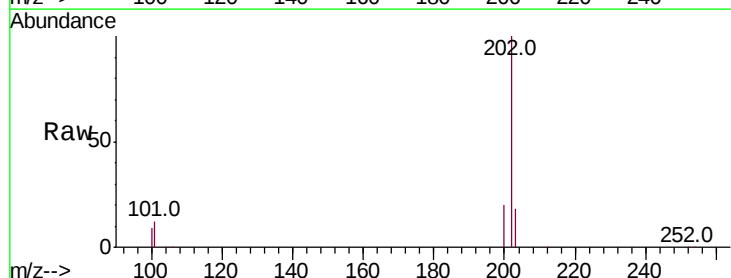
Tgt Ion:202 Resp: 28428

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.2

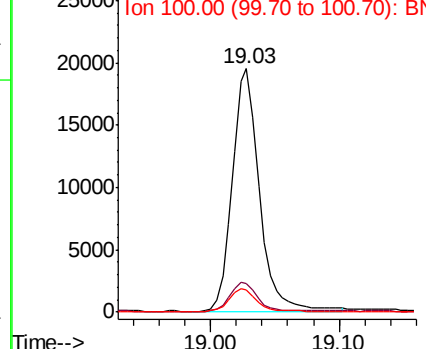
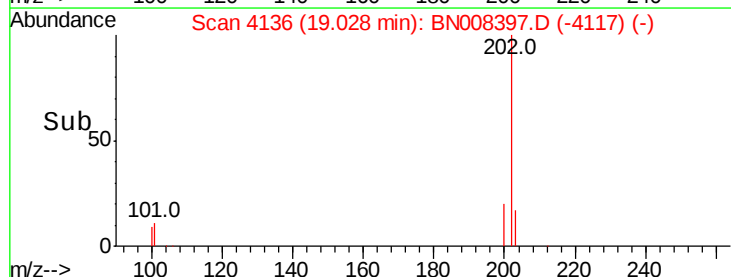
100 8.9 0.0 28.5

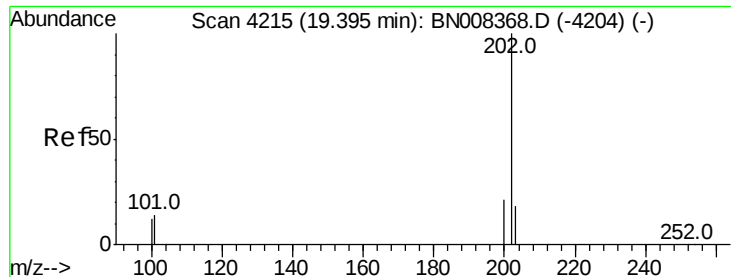


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

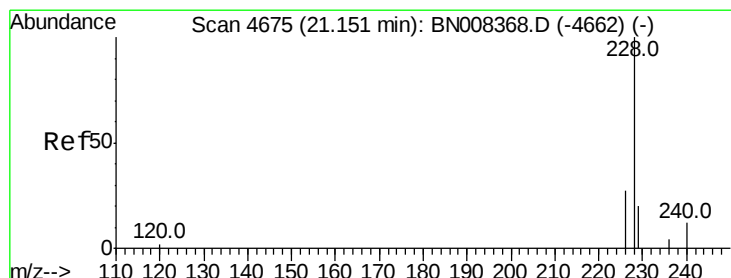
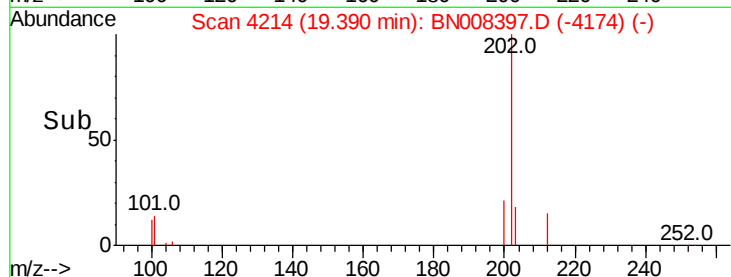
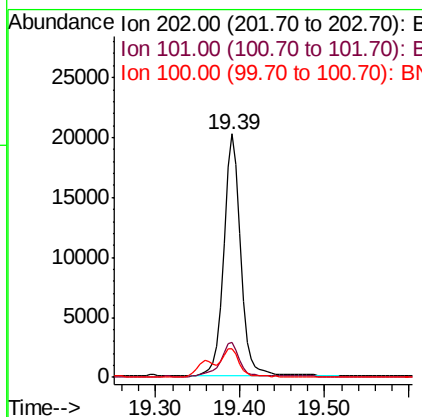
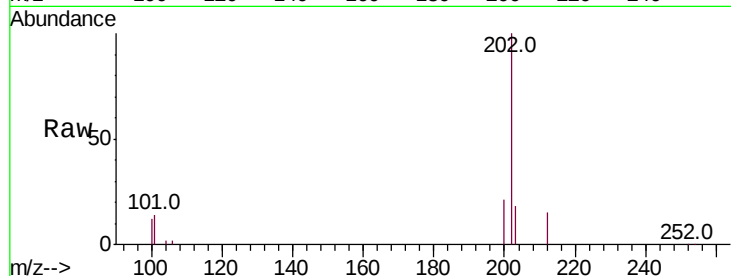




#17
Pvrene
Concen: 0.772 ng/ul
RT: 19.39 min Scan# 4214
Delta R.T. -0.01 min
Lab File: BN008397.D
Acq: 24 Oct 2019 20:49

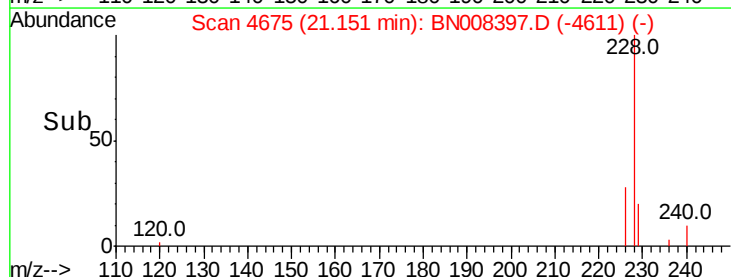
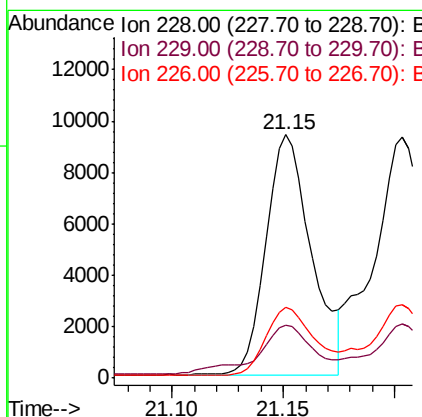
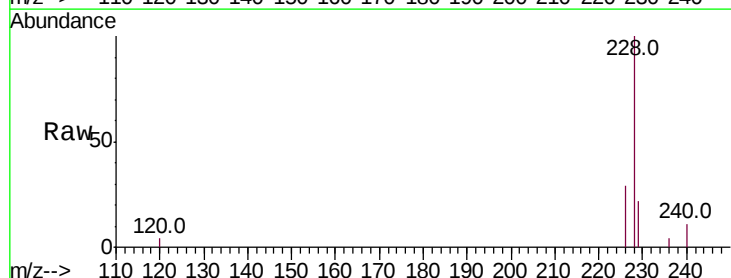
Instrument :
BNA_N
ClientSampleId :

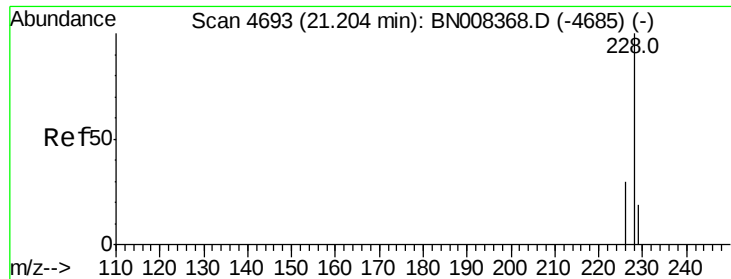
Tot Ion:202 Resp: 28750
Ion Ratio Lower Upper
202 100
101 14.2 10.9 16.3
100 11.7 8.7 13.1



#18
Benzo(a)anthracene
Concen: 0.390 ng/ul
RT: 21.15 min Scan# 4675
Delta R.T. -0.01 min
Lab File: BN008397.D
Acq: 24 Oct 2019 20:49

Tgt Ion:228 Resp: 13272
Ion Ratio Lower Upper
228 100
229 21.8 16.2 24.2
226 29.1 21.4 32.0





#19

Chrysene

Concen: 0.347 ng/ul

RT: 21.20 min Scan# 4693

Delta R.T. -0.01 min

Lab File: BN008397.D

Acq: 24 Oct 2019 20:49

Instrument :

BNA_N

ClientSampleId :

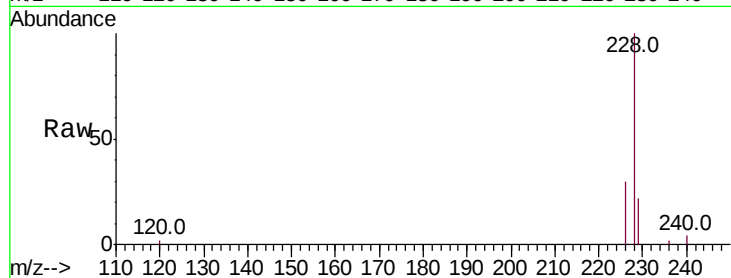
Tot Ion:228 Resp: 14484

Ion Ratio Lower Upper

228 100

226 30.4 24.1 36.1

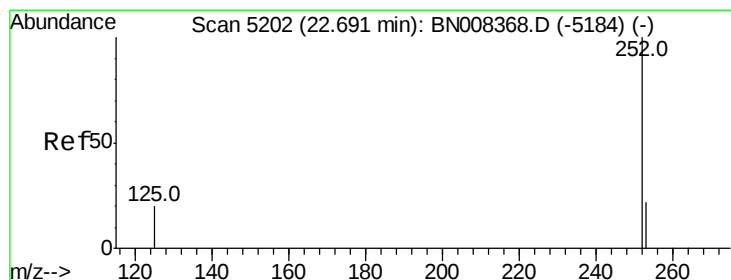
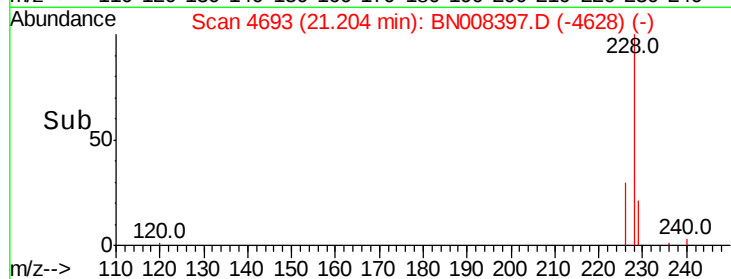
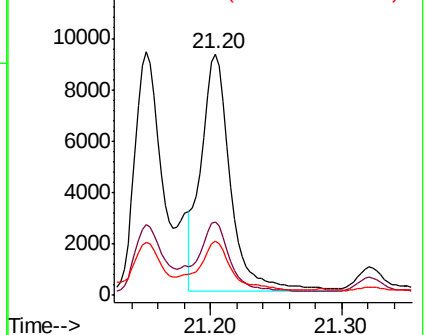
229 22.4 16.2 24.2



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: 0.902 ng/ul

RT: 22.70 min Scan# 5204

Delta R.T. -0.01 min

Lab File: BN008397.D

Acq: 24 Oct 2019 20:49

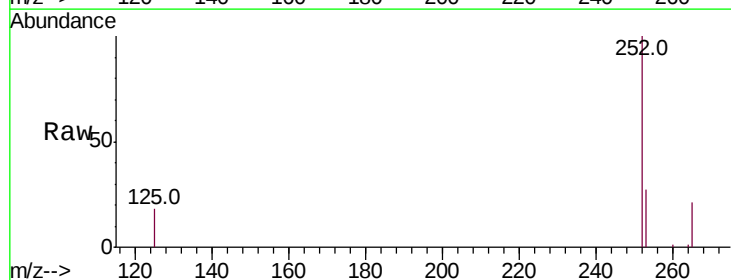
Tgt Ion:252 Resp: 22852

Ion Ratio Lower Upper

252 100

253 26.6 0.0 53.4

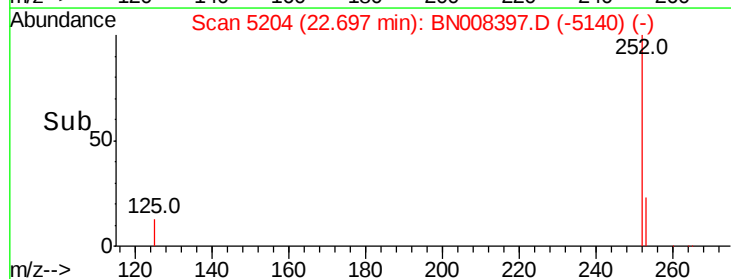
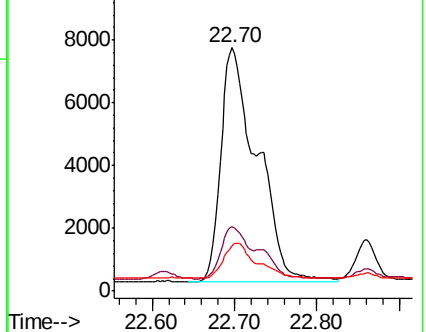
125 18.3 0.0 32.4

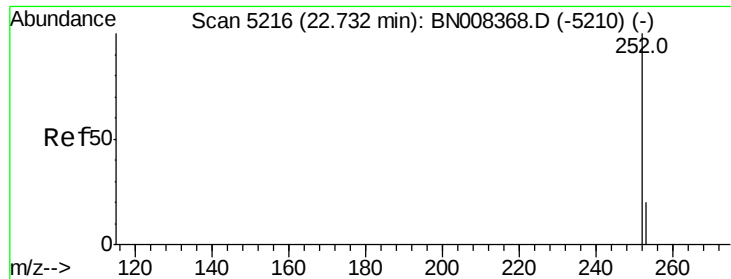


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.796 ng/ul

RT: 22.70 min Scan# 5204

Delta R.T. -0.06 min

Lab File: BN008397.D

Acq: 24 Oct 2019 20:49

Instrument :

BNA_N

ClientSampleId :

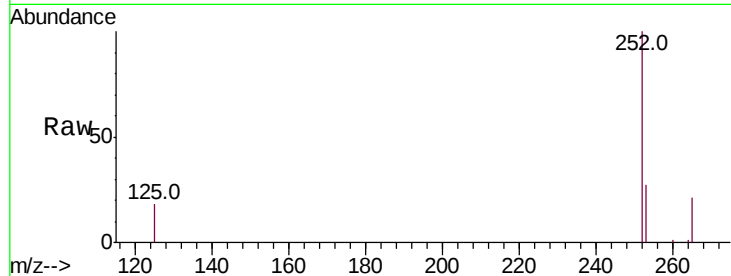
Tot Ion:252 Resp: 22852

Ion Ratio Lower Upper

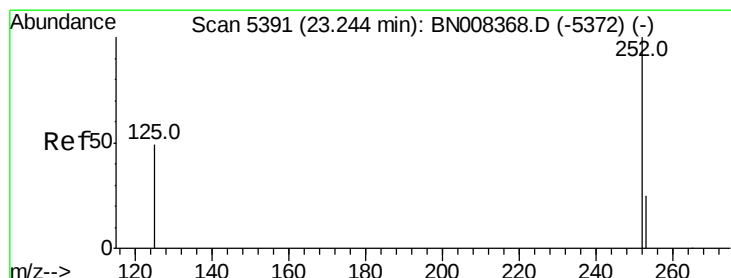
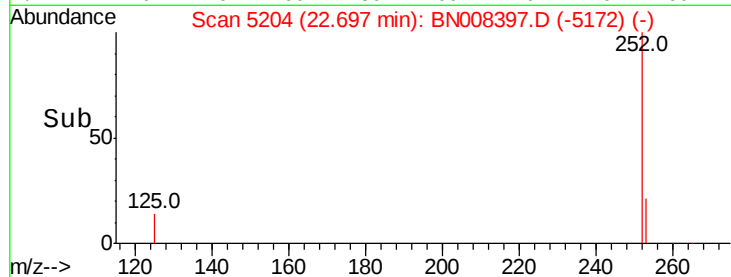
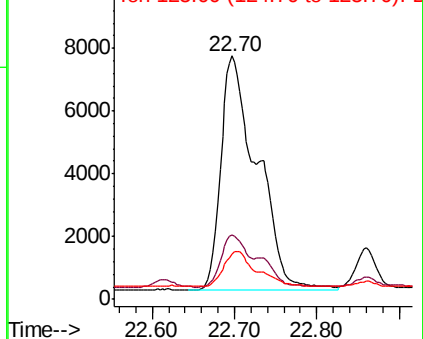
252 100

253 26.6 21.3 31.9

125 18.3 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: 0.421 ng/ul

RT: 23.24 min Scan# 5391

Delta R.T. -0.02 min

Lab File: BN008397.D

Acq: 24 Oct 2019 20:49

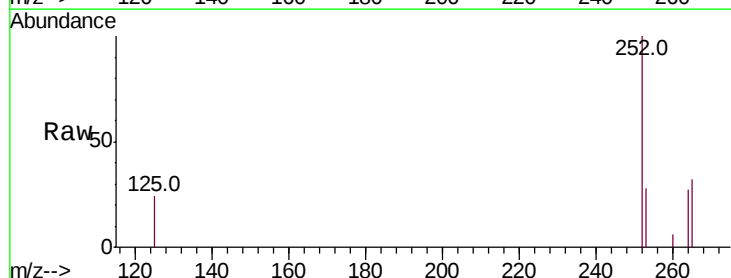
Tgt Ion:252 Resp: 11241

Ion Ratio Lower Upper

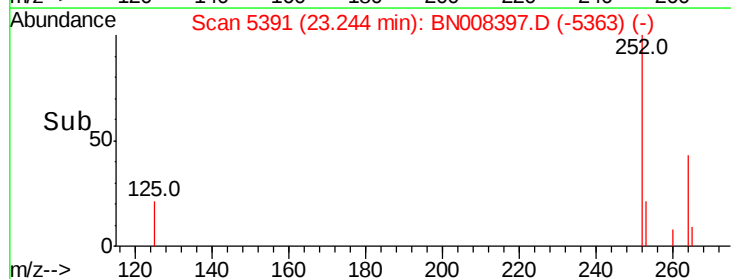
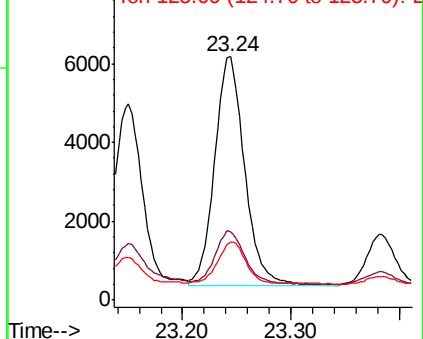
252 100

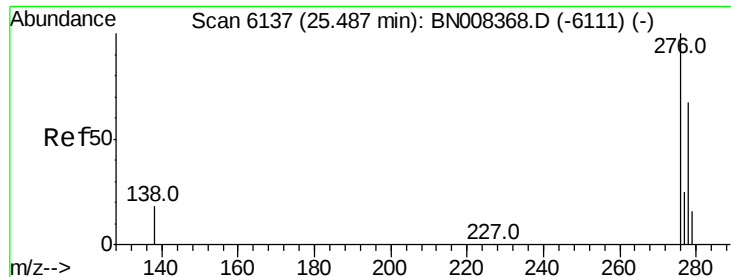
253 28.2 22.8 34.2

125 23.7 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



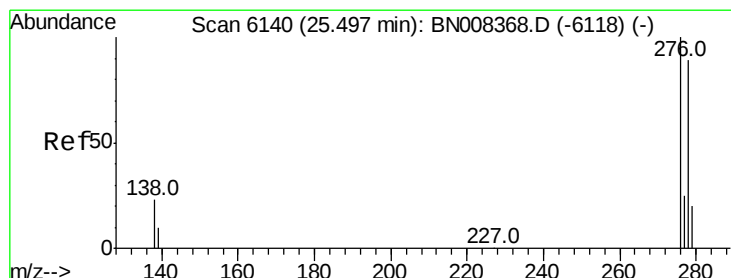
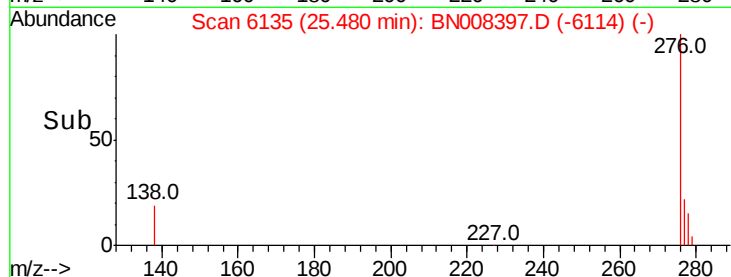
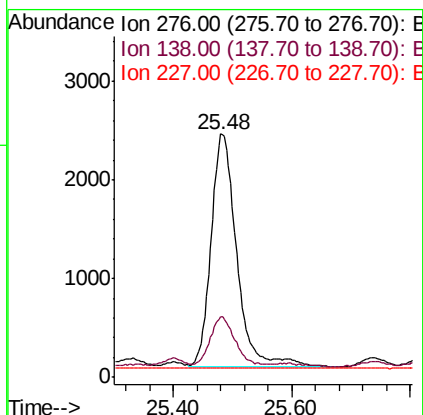
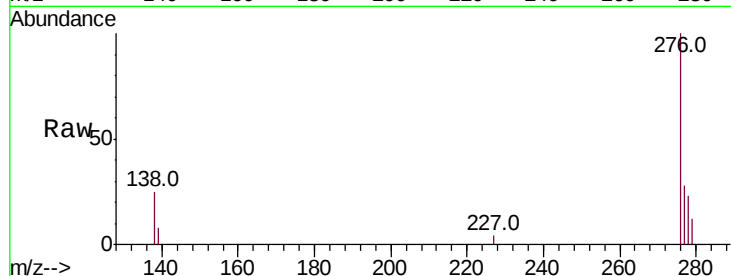


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.226 ng/ul
RT: 25.48 min Scan# 6135
Delta R.T. -0.03 min
Lab File: BN008397.D
Acq: 24 Oct 2019 20:49

Instrument :
BNA_N
ClientSampleId :

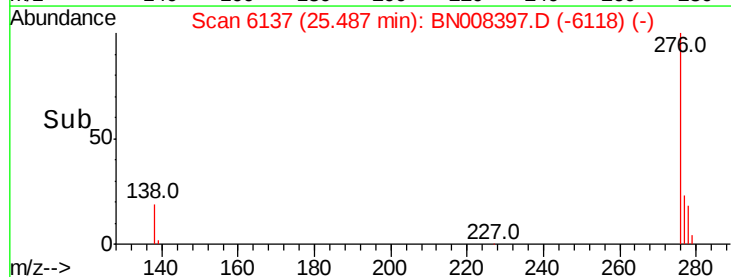
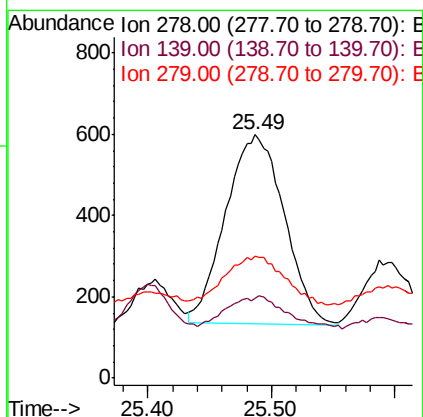
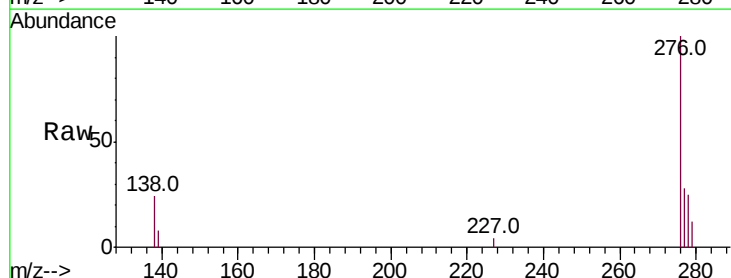
Tot Ion:276 Resp: 7097
Ion Ratio Lower Upper
276 100
138 19.4 16.1 24.1
227 0.1 0.2 0.2#

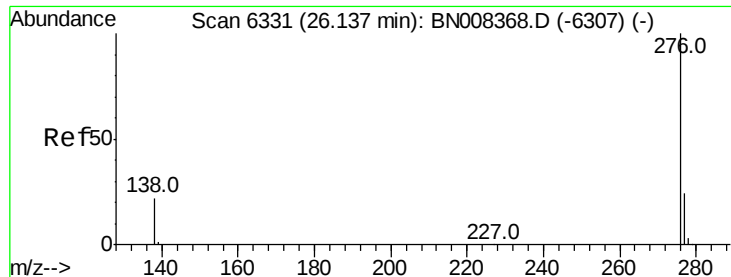


#25

Dibenzo(a,h)anthracene
Concen: 0.062 ng/ul
RT: 25.49 min Scan# 6137
Delta R.T. -0.04 min
Lab File: BN008397.D
Acq: 24 Oct 2019 20:49

Tgt Ion:278 Resp: 1536
Ion Ratio Lower Upper
278 100
139 32.6 15.0 22.6#
279 50.3 22.4 33.6#





#26

Benzo(a,h,i)perylene

Concen: 0.245 ng/ul

RT: 26.14 min Scan# 6331

Delta R.T. -0.03 min

Lab File: BN008397.D

Acq: 24 Oct 2019 20:49

Instrument :

BNA_N

ClientSampleId :

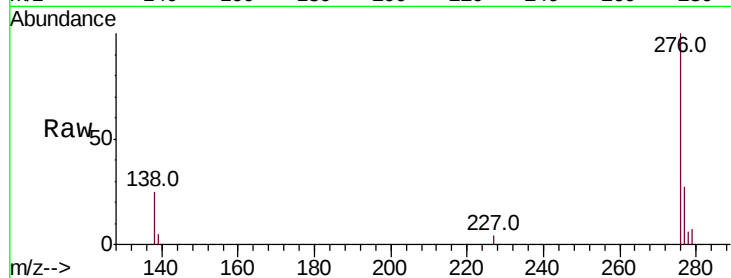
Tot Ion:276 Resp: 7051

Ion Ratio Lower Upper

276 100

138 24.7 17.0 25.4

277 26.8 20.4 30.6



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

