

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102419\
 Data File : BN008396.D
 Acq On : 24 Oct 2019 20:13
 Operator : JU
 Sample : K5235-18DL 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 24 22:05:29 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

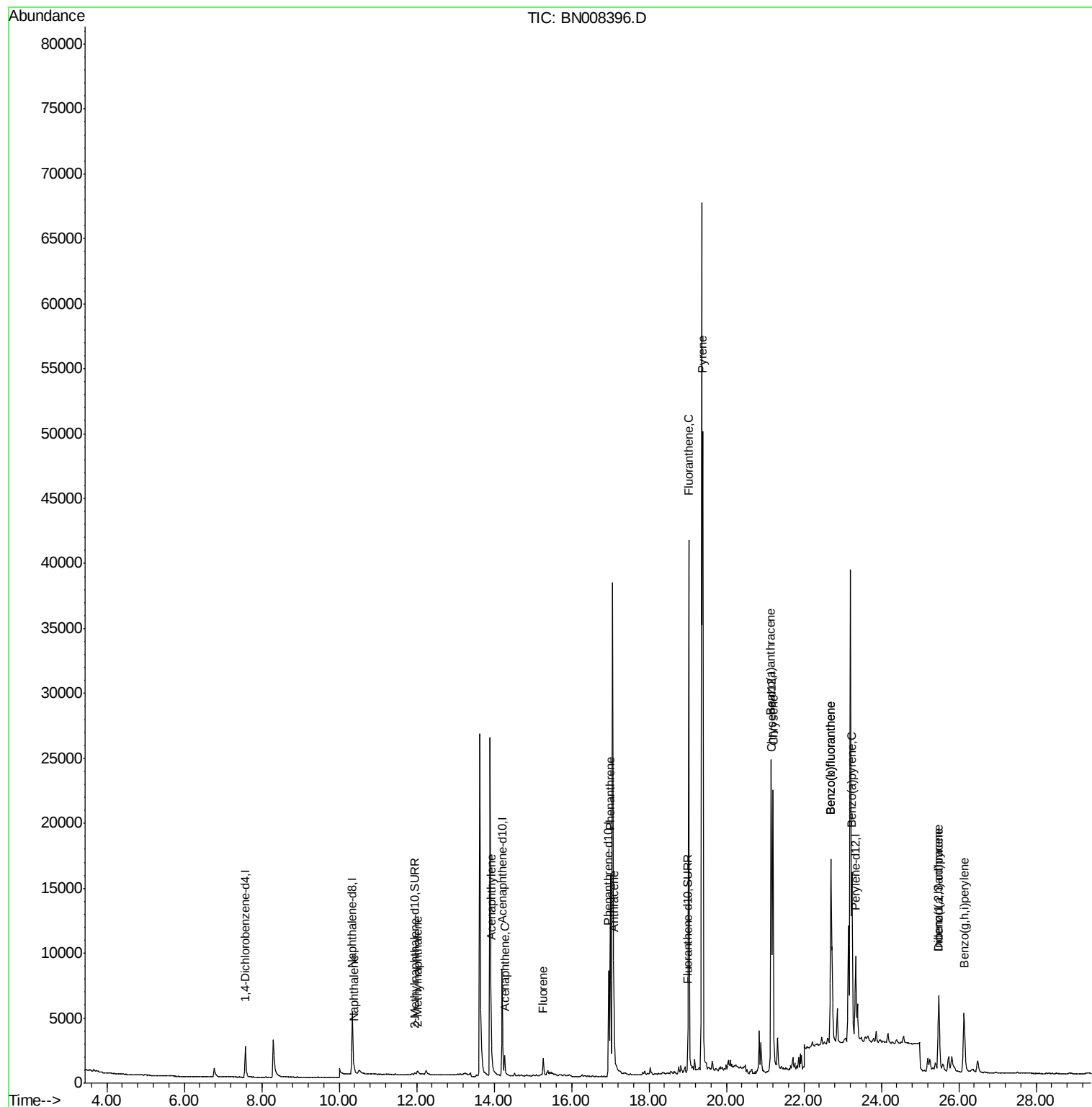
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1583	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.34	136	7721	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.21	164	5010	0.40	ng/ul	-0.01
10) Phenanthrene-d10	16.96	188	10478	0.40	ng/ul	-0.02
16) Chrysene-d12	21.17	240	9523	0.40	ng/ul	-0.01
20) Perylene-d12	23.33	264	7801	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	280	0.02	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	935	0.03	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.39	128	608	0.028	ng/ul#	67
5) 2-Methylnaphthalene	12.03	142	372	0.025	ng/ul	96
7) Acenaphthylene	13.93	152	1581	0.066	ng/ul#	89
8) Acenaphthene	14.27	153	895	0.048	ng/ul	96
9) Fluorene	15.27	166	1039	0.049	ng/ul#	94
12) Phenanthrene	17.00	178	17808	0.580	ng/ul	99
13) Anthracene	17.09	178	4500	0.167	ng/ul	96
15) Fluoranthene	19.02	202	37953	0.937	ng/ul	96
17) Pyrene	19.39	202	42214	1.113	ng/ul	100
18) Benzo(a)anthracene	21.15	228	20723	0.599	ng/ul	97
19) Chrysene	21.20	228	23278	0.548	ng/ul	98
21) Benzo(b)fluoranthene	22.69	252	30650	1.207	ng/ul	97
22) Benzo(k)fluoranthene	22.69	252	30650	1.065	ng/ul	97
23) Benzo(a)pyrene	23.24	252	15799	0.591	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.48	276	9435	0.300	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.49	278	2282	0.092	ng/ul#	75
26) Benzo(a,h,i)perylene	26.14	276	9558	0.331	ng/ul	96

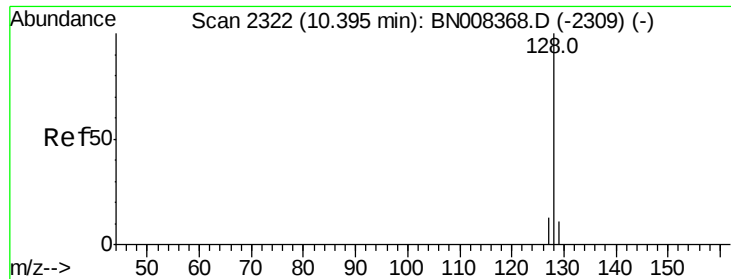
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 23 14:07:55 2019
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#3

Naphthalene

Concen: 0.028 ng/ul

RT: 10.39 min Scan# 2321

Delta R.T. -0.01 min

Lab File: BN008396.D

Acq: 24 Oct 2019 20:13

Instrument :

BNA_N

ClientSampleId :

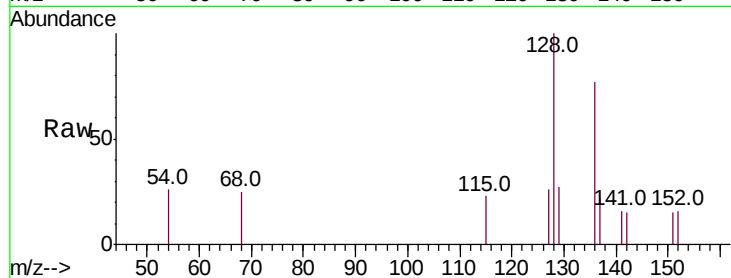
Tot Ion:128 Resp: 608

Ion Ratio Lower Upper

128 100

129 27.2 9.8 14.8#

127 25.7 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

400

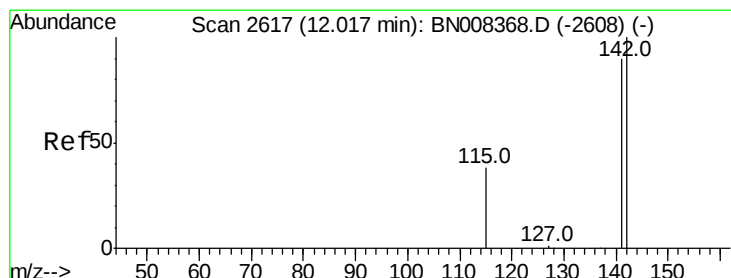
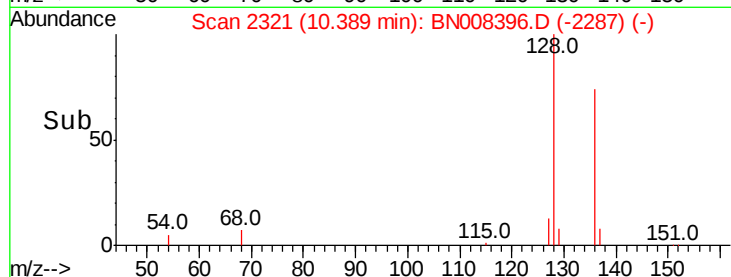
300

200

100

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.025 ng/ul

RT: 12.03 min Scan# 2619

Delta R.T. 0.00 min

Lab File: BN008396.D

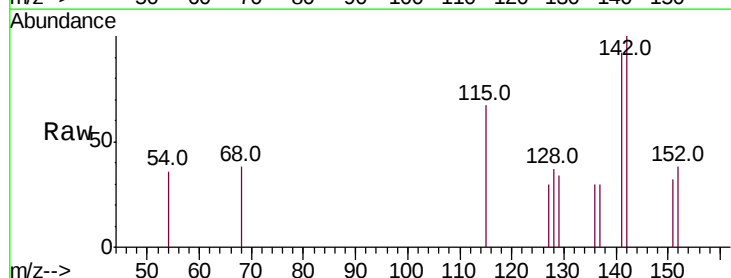
Acq: 24 Oct 2019 20:13

Tgt Ion:142 Resp: 372

Ion Ratio Lower Upper

142 100

141 93.3 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.03

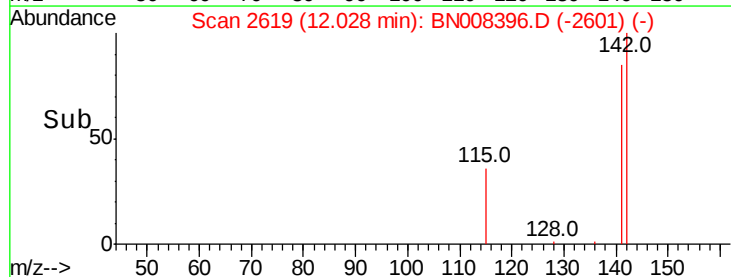
150

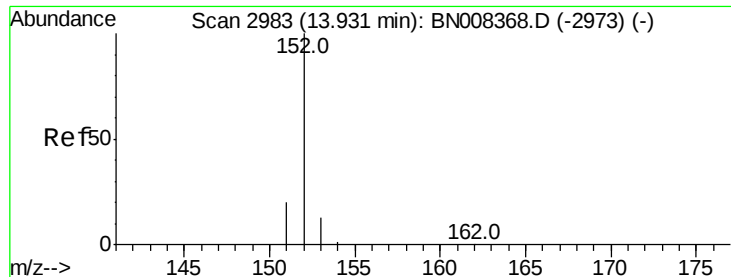
100

50

0

Time-->





#7

Acenaphthylene

Concen: 0.066 ng/ul

RT: 13.93 min Scan# 2982

Delta R.T. -0.02 min

Lab File: BN008396.D

Acq: 24 Oct 2019 20:13

Instrument :

BNA_N

ClientSampled :

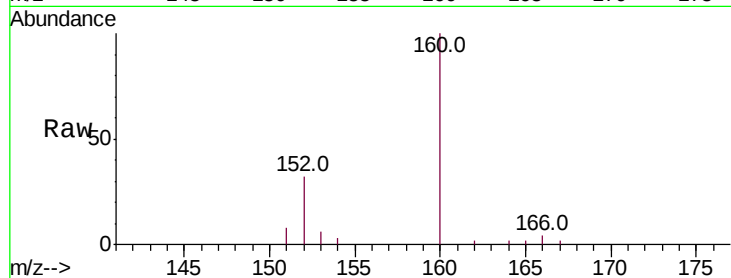
Tot Ion:152 Resp: 1581

Ion Ratio Lower Upper

152 100

151 24.6 16.2 24.4#

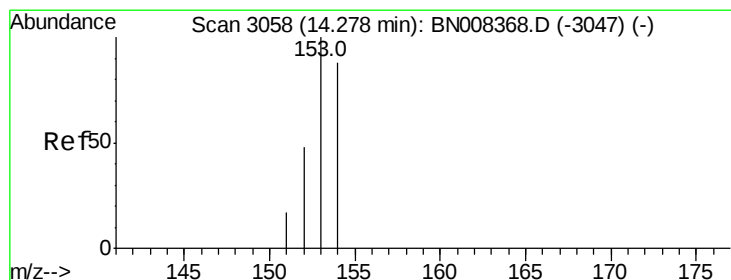
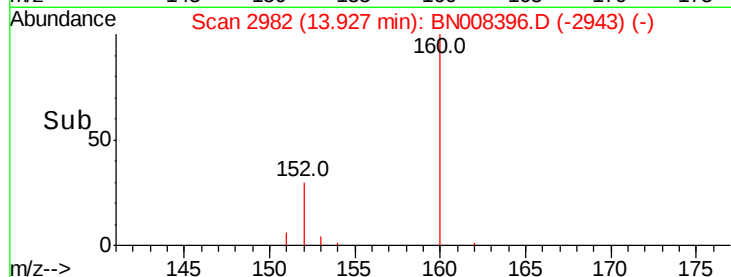
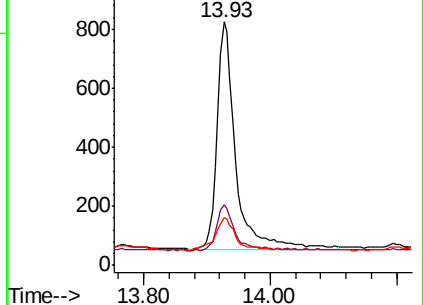
153 19.5 11.0 16.4#



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: 0.048 ng/ul

RT: 14.27 min Scan# 3057

Delta R.T. -0.01 min

Lab File: BN008396.D

Acq: 24 Oct 2019 20:13

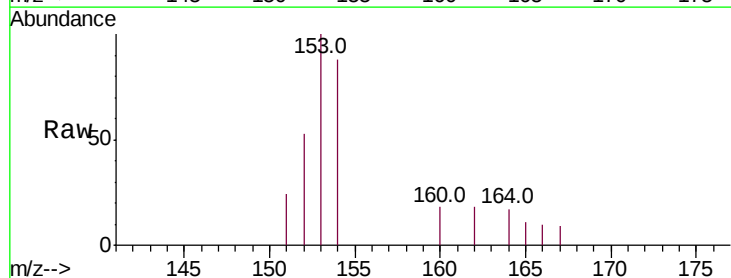
Tgt Ion:153 Resp: 895

Ion Ratio Lower Upper

153 100

152 53.1 38.2 57.2

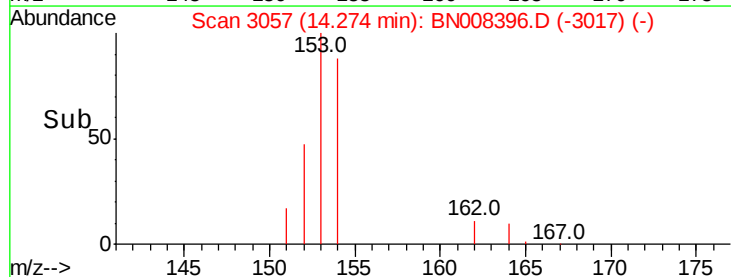
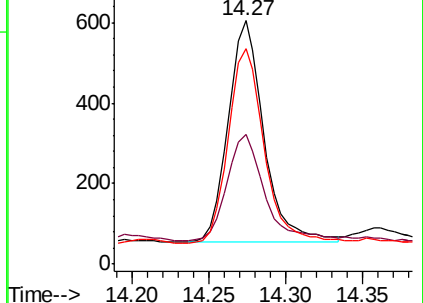
154 88.4 71.8 107.8

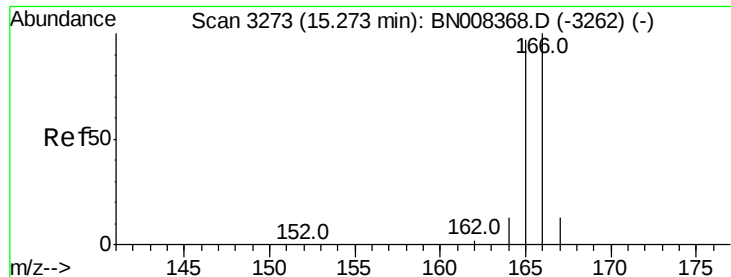


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.049 ng/ul

RT: 15.27 min Scan# 3272

Delta R.T. -0.01 min

Lab File: BN008396.D

Acq: 24 Oct 2019 20:13

Instrument :

BNA_N

ClientSampleId :

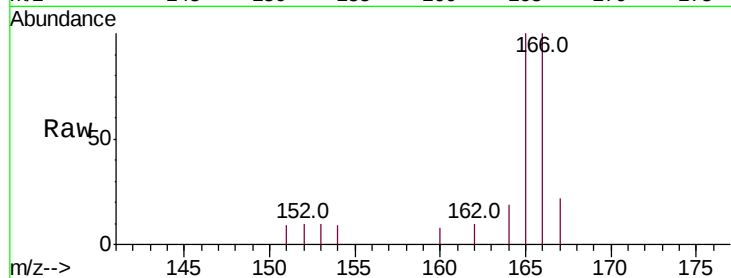
Tot Ion:166 Resp: 1039

Ion Ratio Lower Upper

166 100

165 99.7 76.6 115.0

167 22.1 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

15.27

800

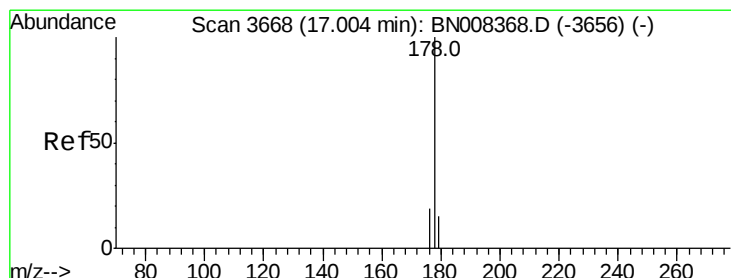
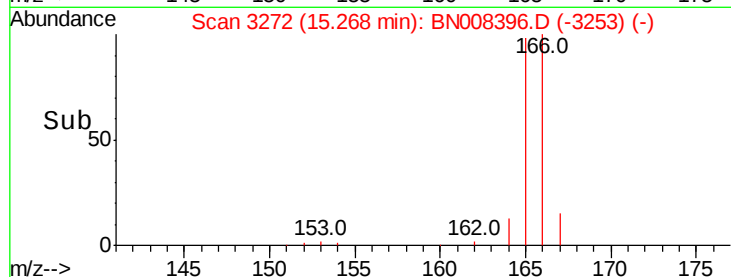
600

400

200

0

Time-->



#12

Phenanthrene

Concen: 0.580 ng/ul

RT: 17.00 min Scan# 3667

Delta R.T. -0.02 min

Lab File: BN008396.D

Acq: 24 Oct 2019 20:13

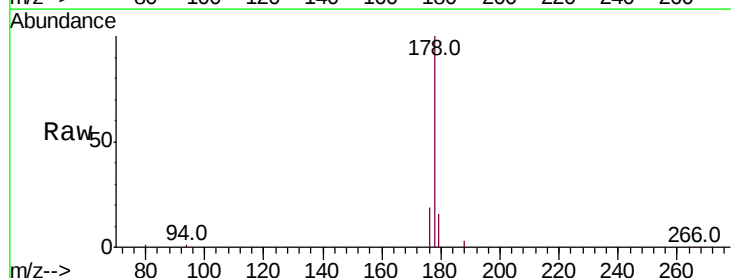
Tgt Ion:178 Resp: 17808

Ion Ratio Lower Upper

178 100

179 15.7 12.8 19.2

176 18.9 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

17.00

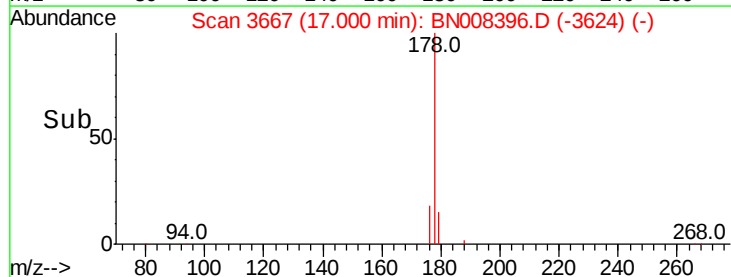
15000

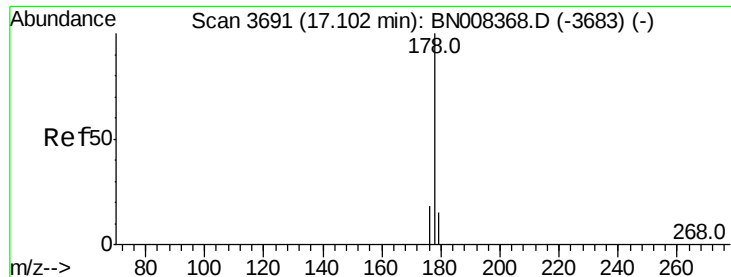
10000

5000

0

Time-->





#13

Anthracene

Concen: 0.167 ng/ul

RT: 17.09 min Scan# 3689

Delta R.T. -0.02 min

Lab File: BN008396.D

Acq: 24 Oct 2019 20:13

Instrument :

BNA_N

ClientSampled :

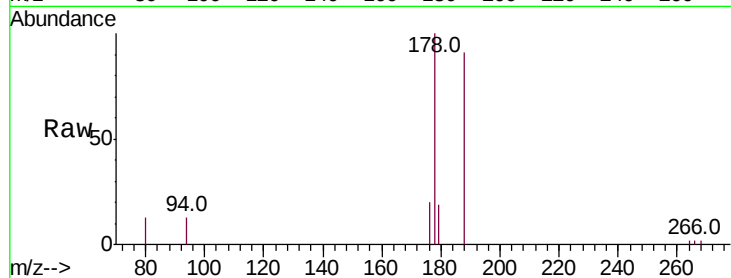
Tot Ion:178 Resp: 4500

Ion Ratio Lower Upper

178 100

179 18.7 13.0 19.6

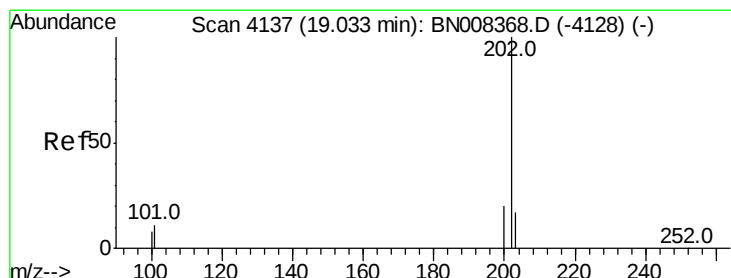
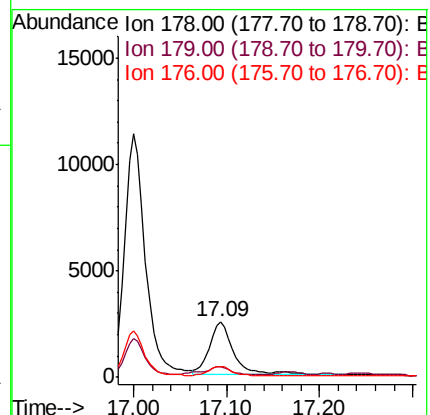
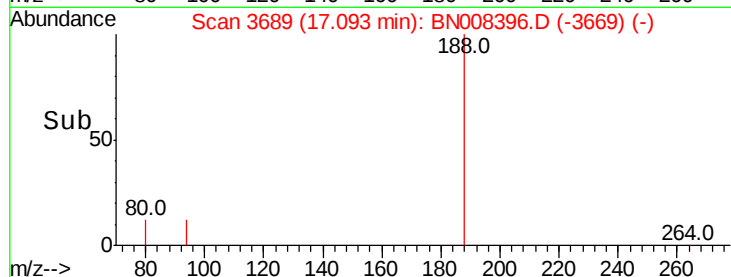
176 20.3 15.0 22.6



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: 0.937 ng/ul

RT: 19.02 min Scan# 4135

Delta R.T. -0.02 min

Lab File: BN008396.D

Acq: 24 Oct 2019 20:13

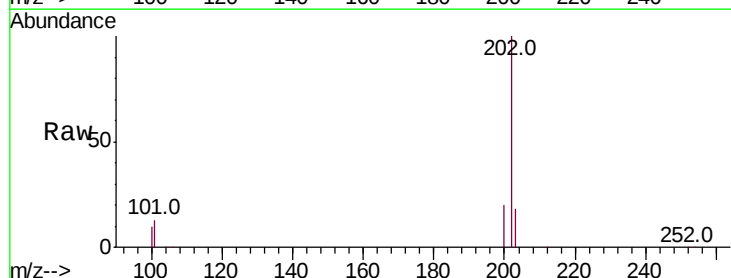
Tgt Ion:202 Resp: 37953

Ion Ratio Lower Upper

202 100

101 12.7 0.0 31.2

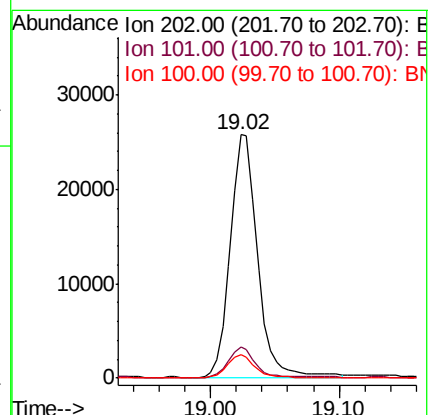
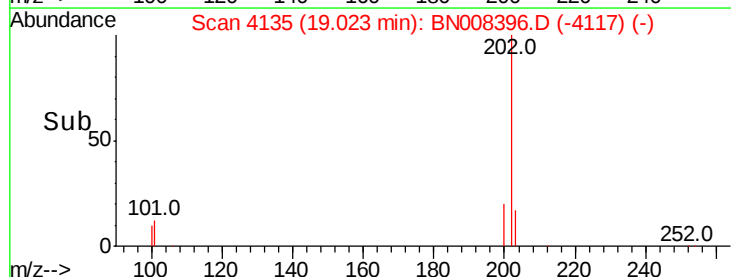
100 9.7 0.0 28.5

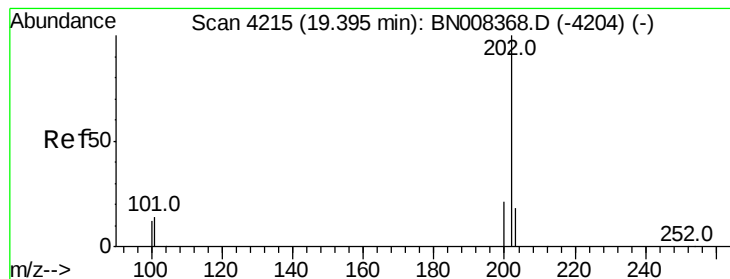


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pvrene

Concen: 1.113 ng/ul

RT: 19.39 min Scan# 4214

Delta R.T. -0.01 min

Lab File: BN008396.D

Acq: 24 Oct 2019 20:13

Instrument :

BNA_N

ClientSampleId :

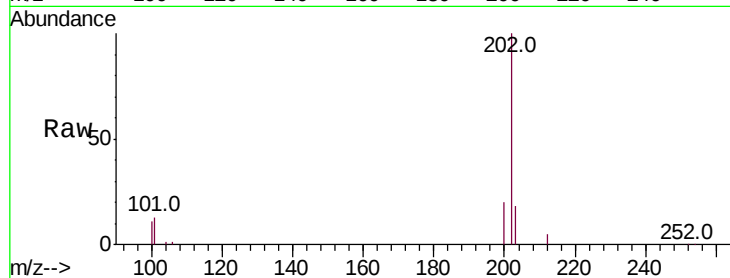
Tot Ion:202 Resp: 42214

Ion Ratio Lower Upper

202 100

101 13.4 10.9 16.3

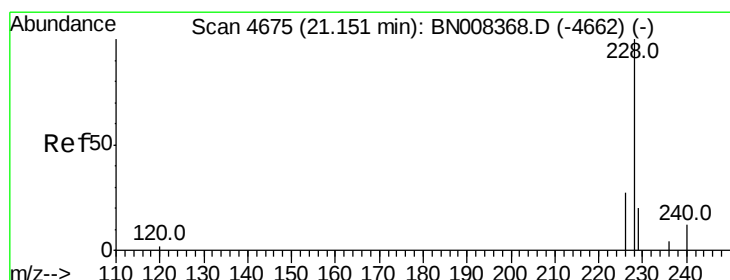
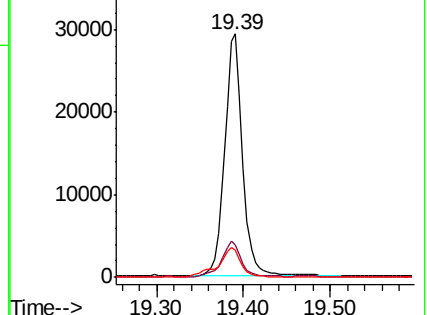
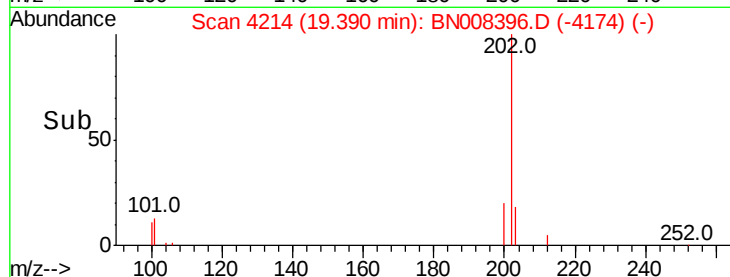
100 11.0 8.7 13.1



Abundance Ion 202.00 (201.70 to 202.70): E

40000 Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#18

Benzo(a)anthracene

Concen: 0.599 ng/ul

RT: 21.15 min Scan# 4674

Delta R.T. -0.02 min

Lab File: BN008396.D

Acq: 24 Oct 2019 20:13

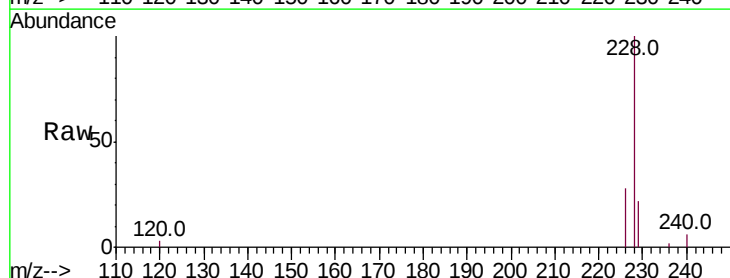
Tgt Ion:228 Resp: 20723

Ion Ratio Lower Upper

228 100

229 21.7 16.2 24.2

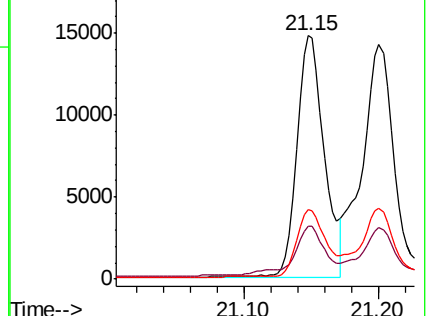
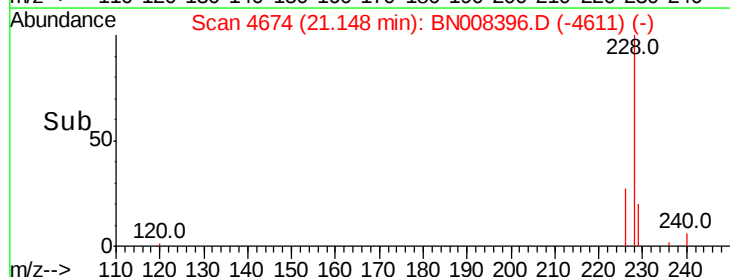
226 28.4 21.4 32.0

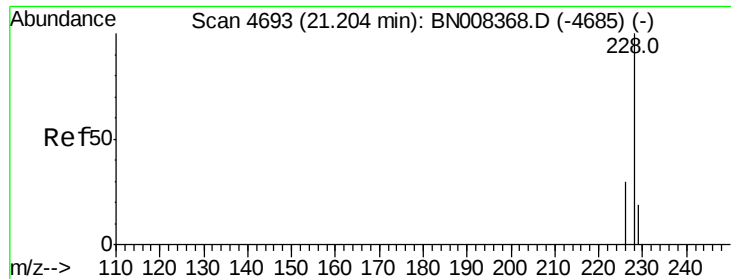


Abundance Ion 228.00 (227.70 to 228.70): E

20000 Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.548 ng/ul

RT: 21.20 min Scan# 4692

Delta R.T. -0.01 min

Lab File: BN008396.D

Acq: 24 Oct 2019 20:13

Instrument :

BNA_N

ClientSampleId :

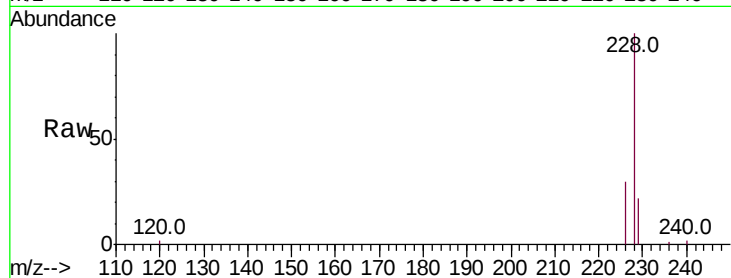
Tot Ion:228 Resp: 23278

Ion Ratio Lower Upper

228 100

226 30.3 24.1 36.1

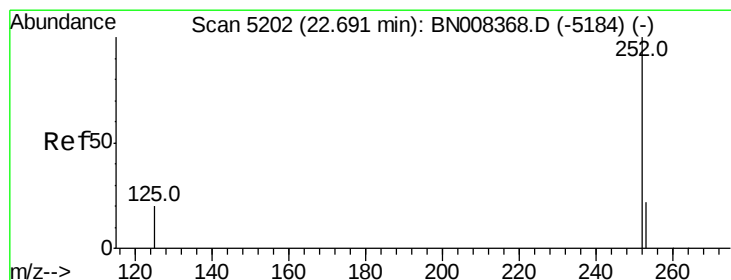
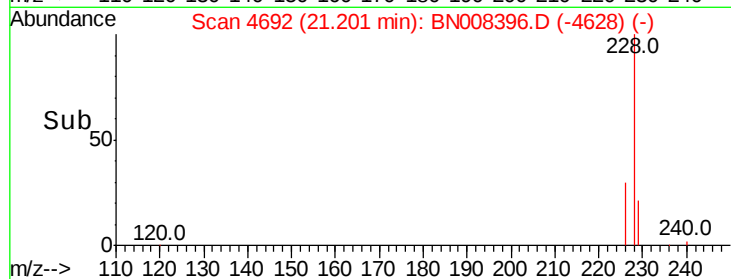
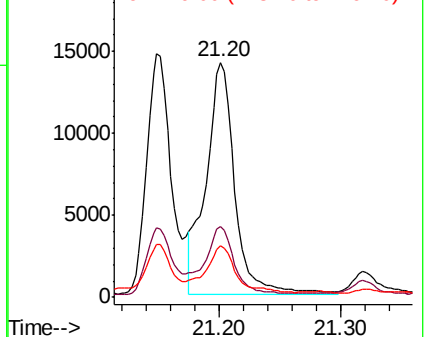
229 22.0 16.2 24.2



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: 1.207 ng/ul

RT: 22.69 min Scan# 5203

Delta R.T. -0.01 min

Lab File: BN008396.D

Acq: 24 Oct 2019 20:13

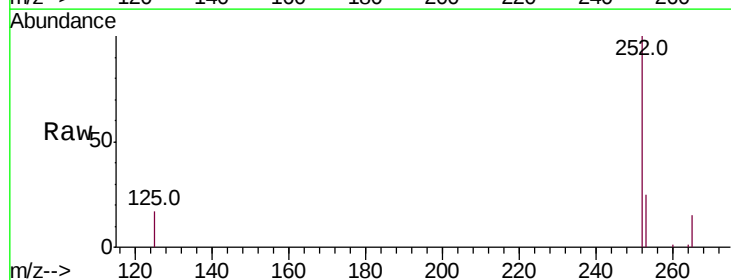
Tgt Ion:252 Resp: 30650

Ion Ratio Lower Upper

252 100

253 25.2 0.0 53.4

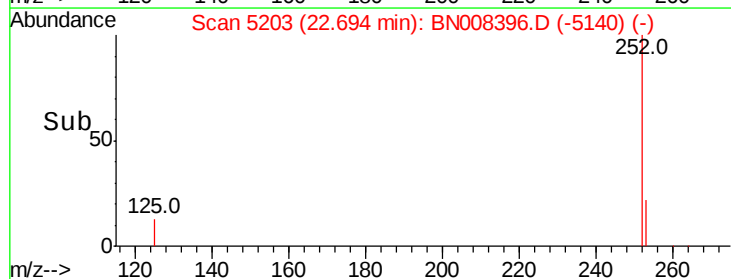
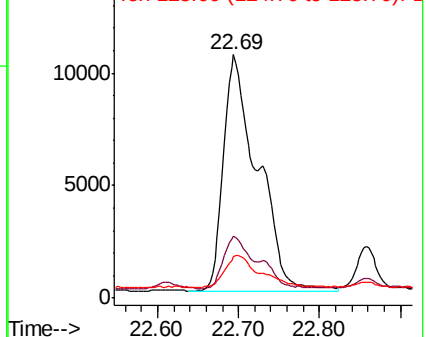
125 17.2 0.0 32.4

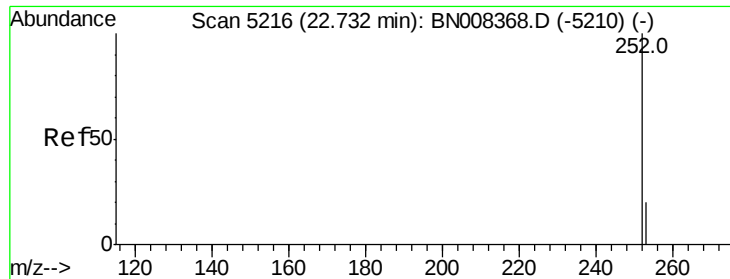


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.065 ng/ul

RT: 22.69 min Scan# 5203

Delta R.T. -0.06 min

Lab File: BN008396.D

Acq: 24 Oct 2019 20:13

Instrument :

BNA_N

ClientSampleId :

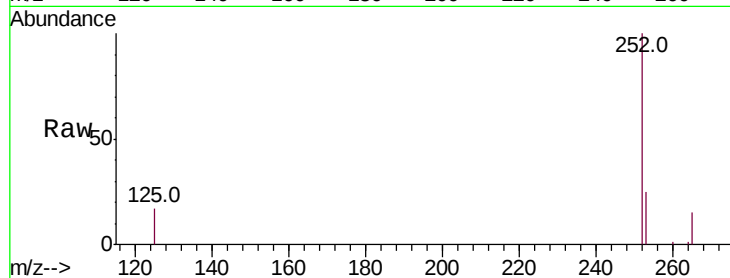
Tot Ion:252 Resp: 30650

Ion Ratio Lower Upper

252 100

253 25.2 21.3 31.9

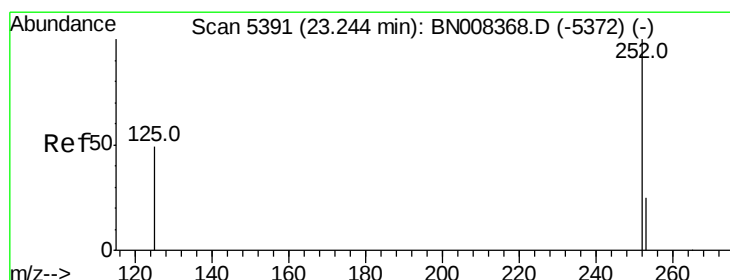
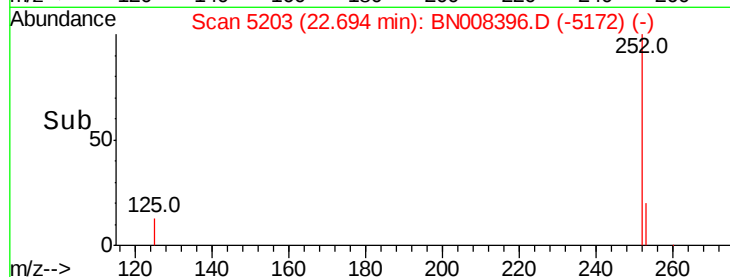
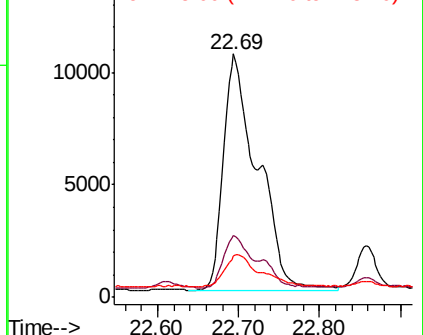
125 17.2 12.3 18.5



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: 0.591 ng/ul

RT: 23.24 min Scan# 5390

Delta R.T. -0.02 min

Lab File: BN008396.D

Acq: 24 Oct 2019 20:13

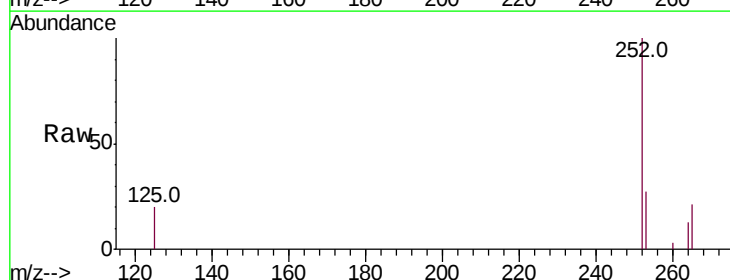
Tgt Ion:252 Resp: 15799

Ion Ratio Lower Upper

252 100

253 26.5 22.8 34.2

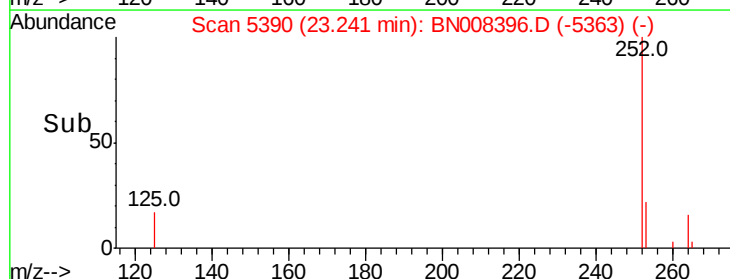
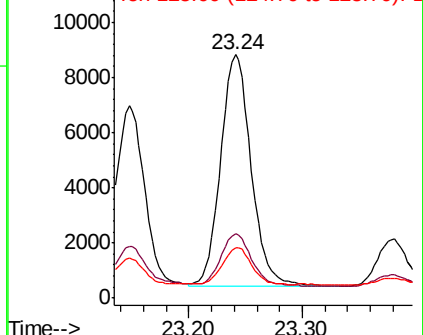
125 20.4 18.4 27.6

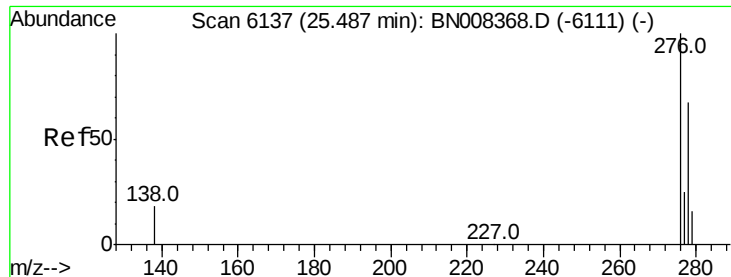


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



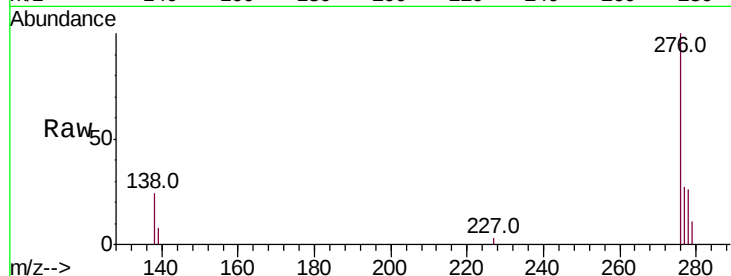


#24

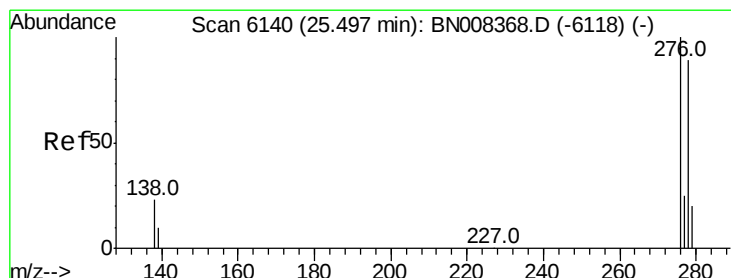
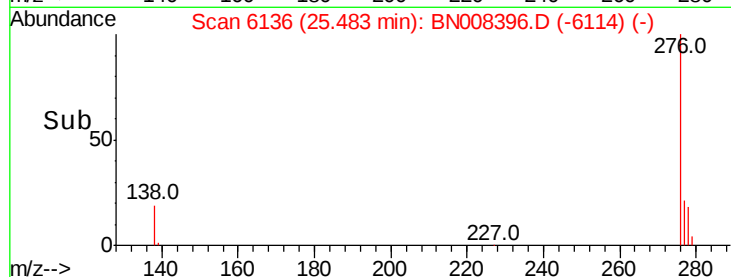
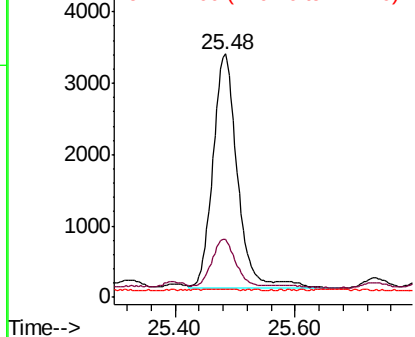
Indeno(1,2,3-cd)pyrene
Concen: 0.300 ng/ul
RT: 25.48 min Scan# 6136
Delta R.T. -0.03 min
Lab File: BN008396.D
Acq: 24 Oct 2019 20:13

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 9435
Ion Ratio Lower Upper
276 100
138 19.4 16.1 24.1
227 0.0 0.2 0.2#



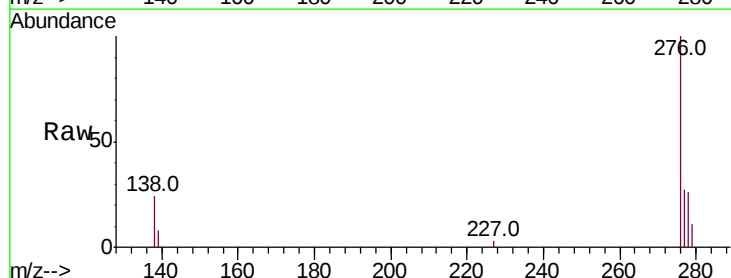
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



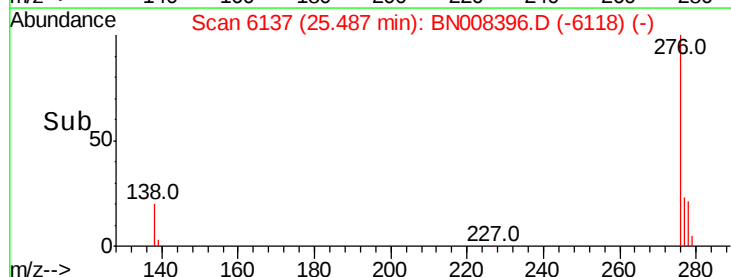
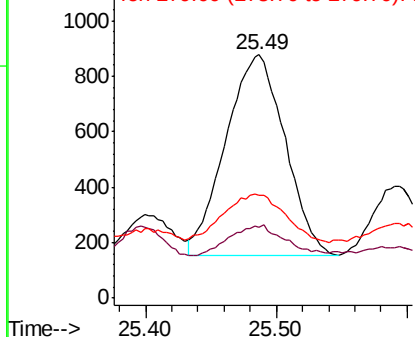
#25

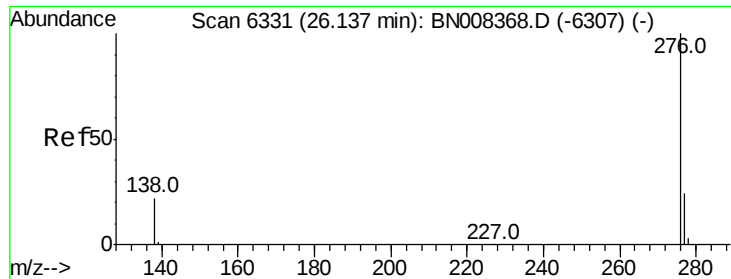
Dibenzo(a,h)anthracene
Concen: 0.092 ng/ul
RT: 25.49 min Scan# 6137
Delta R.T. -0.04 min
Lab File: BN008396.D
Acq: 24 Oct 2019 20:13

Tgt Ion:278 Resp: 2282
Ion Ratio Lower Upper
278 100
139 29.3 15.0 22.6#
279 42.1 22.4 33.6#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.331 ng/ul

RT: 26.14 min Scan# 6331

Delta R.T. -0.03 min

Lab File: BN008396.D

Acq: 24 Oct 2019 20:13

Instrument :

BNA_N

ClientSampleId :

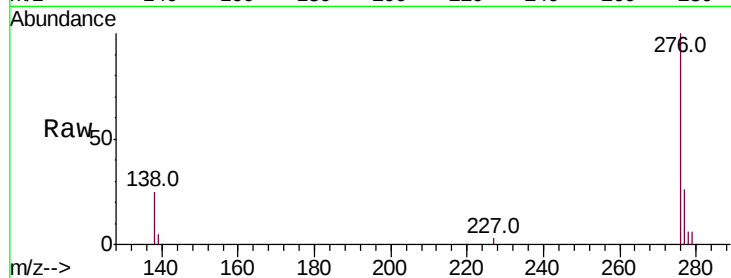
Tot Ion:276 Resp: 9558

Ion Ratio Lower Upper

276 100

138 24.6 17.0 25.4

277 26.4 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

