

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008376.D
 Acq On : 24 Oct 2019 07:03
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 24 07:40:56 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

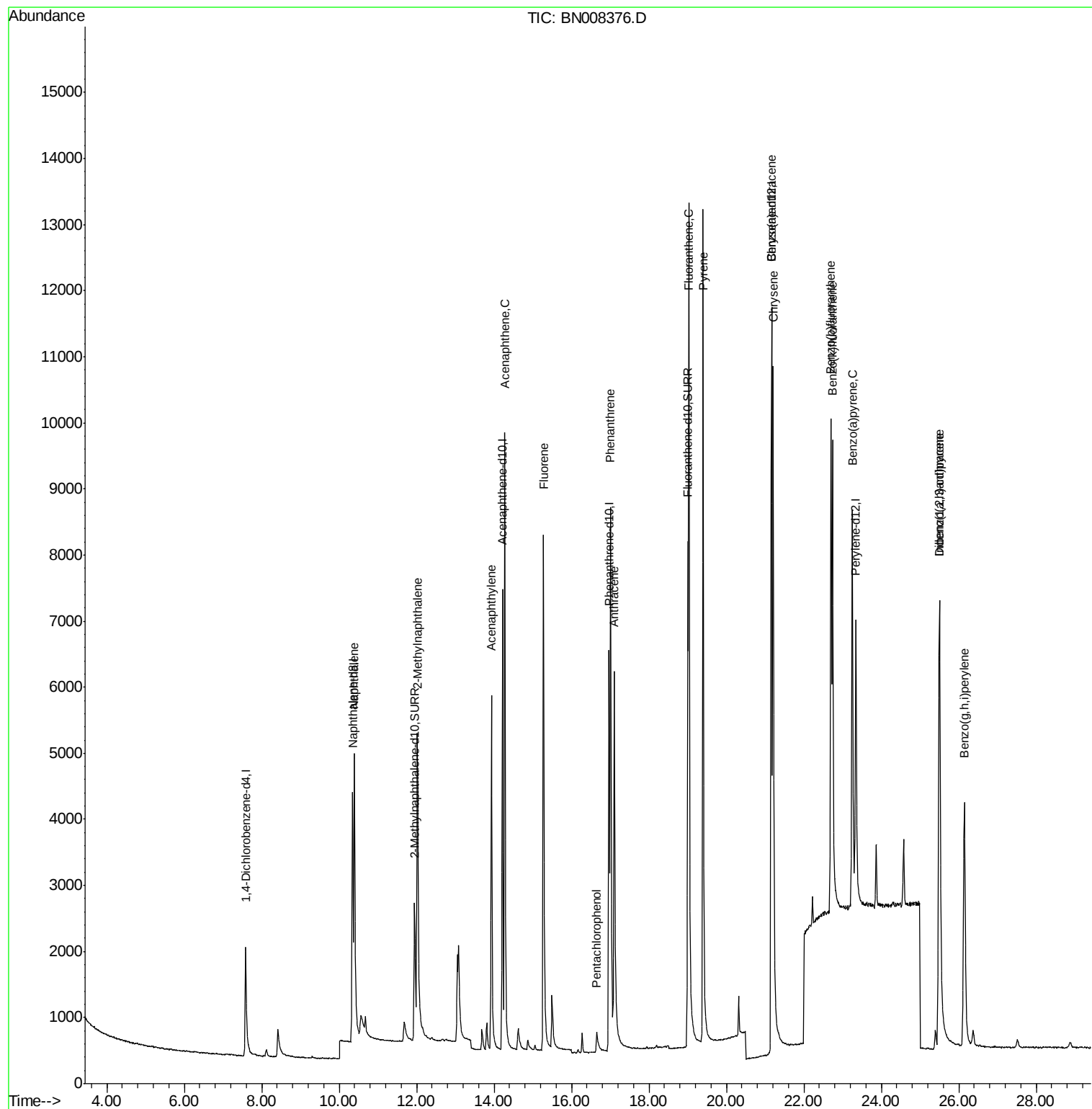
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1416	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	6864	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.21	164	4496	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	9139	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	7452	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	6071	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	4401	0.38	ng/ul	-0.01
14) Fluoranthene-d10	19.00	212	11357	0.36	ng/ul	-0.01
Target Compounds					Ovalue	
3) Naphthalene	10.39	128	7722	0.395	ng/ul	99
5) 2-Methylnaphthalene	12.02	142	5240	0.391	ng/ul	99
7) Acenaphthylene	13.93	152	7637	0.357	ng/ul	99
8) Acenaphthene	14.27	153	6300	0.378	ng/ul	97
9) Fluorene	15.27	166	6917	0.366	ng/ul	96
11) Pentachlorophenol	16.65	266	537	0.243	ng/ul	99
12) Phenanthrene	17.00	178	11004	0.411	ng/ul	99
13) Anthracene	17.10	178	9596	0.408	ng/ul	99
15) Fluoranthene	19.03	202	13248	0.375	ng/ul	96
17) Pyrene	19.40	202	13628	0.459	ng/ul	97
18) Benzo(a)anthracene	21.16	228	9978	0.368	ng/ul	99
19) Chrysene	21.21	228	13141	0.395	ng/ul	99
21) Benzo(b)fluoranthene	22.70	252	9529	0.482	ng/ul	94
22) Benzo(k)fluoranthene	22.74	252	11297	0.505	ng/ul	100
23) Benzo(a)pyrene	23.25	252	9555	0.459	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.49	276	10048	0.410	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.50	278	8033	0.415	ng/ul	99
26) Benzo(g,h,i)perylene	26.14	276	8894	0.396	ng/ul	97

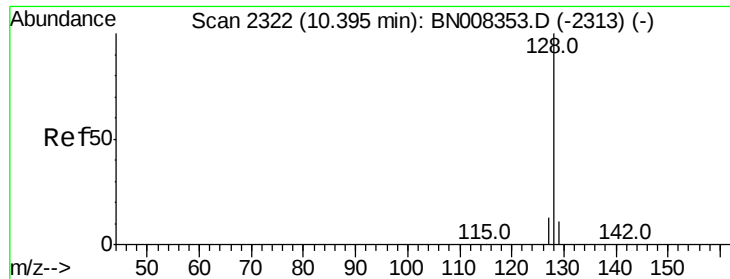
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.395 ng/ul

RT: 10.39 min Scan# 2321

Delta R.T. -0.01 min

Lab File: BN008376.D

Acq: 24 Oct 2019 07:03

Instrument :

BNA_N

ClientSampleId :

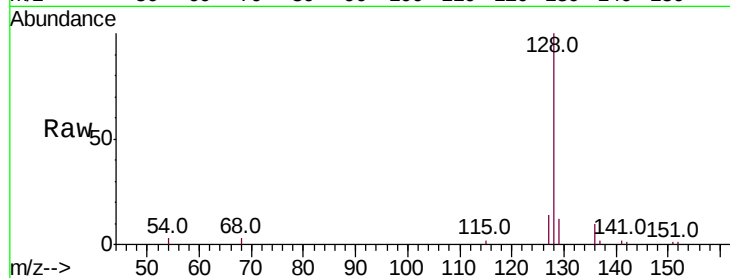
Tot Ion:128 Resp: 7722

Ion Ratio Lower Upper

128 100

129 12.3 9.8 14.8

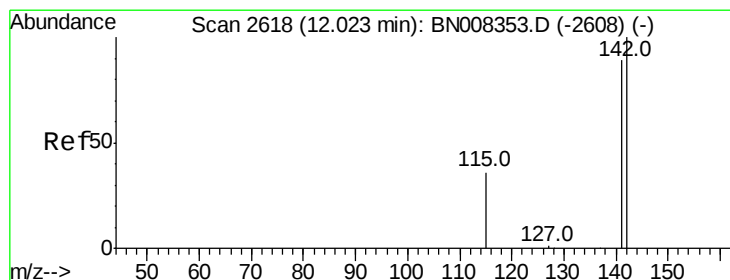
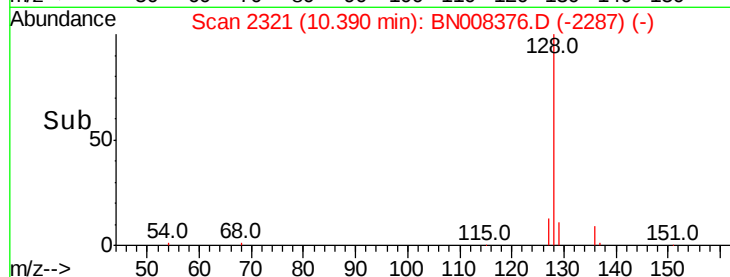
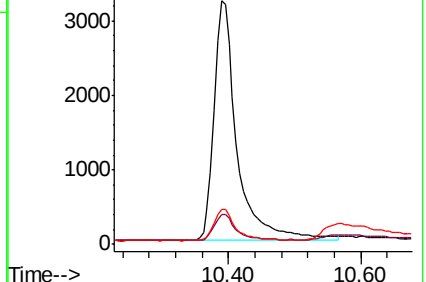
127 14.3 11.1 16.7



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: 0.391 ng/ul

RT: 12.02 min Scan# 2617

Delta R.T. -0.01 min

Lab File: BN008376.D

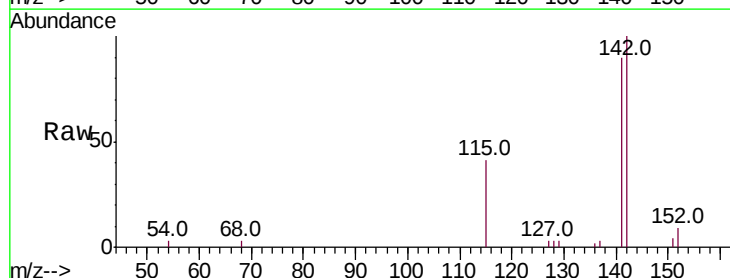
Acq: 24 Oct 2019 07:03

Tgt Ion:142 Resp: 5240

Ion Ratio Lower Upper

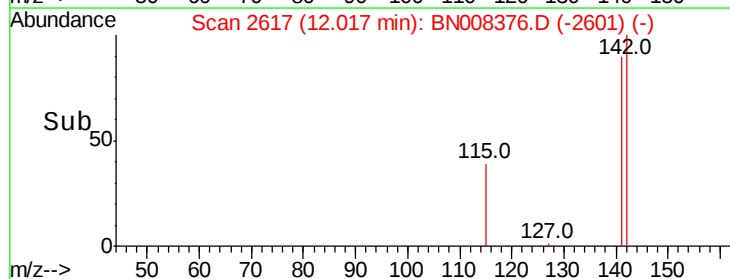
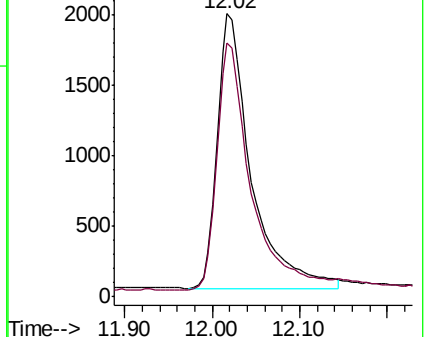
142 100

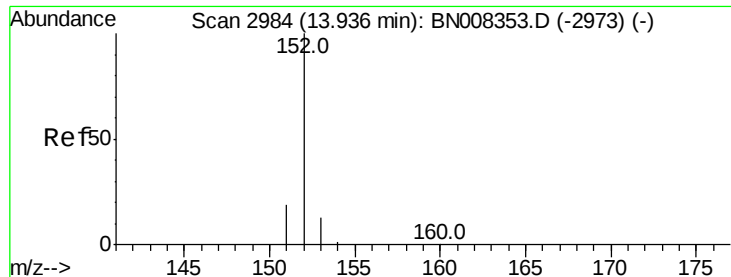
141 90.1 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.357 ng/ul

RT: 13.93 min Scan# 2983

Delta R.T. -0.01 min

Lab File: BN008376.D

Acq: 24 Oct 2019 07:03

Instrument :

BNA_N

ClientSampled :

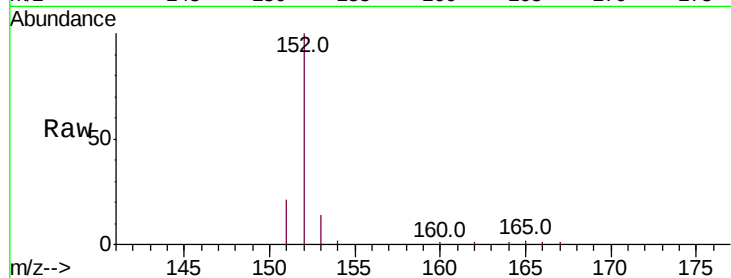
Tot Ion:152 Resp: 7637

Ion Ratio Lower Upper

152 100

151 20.8 16.2 24.4

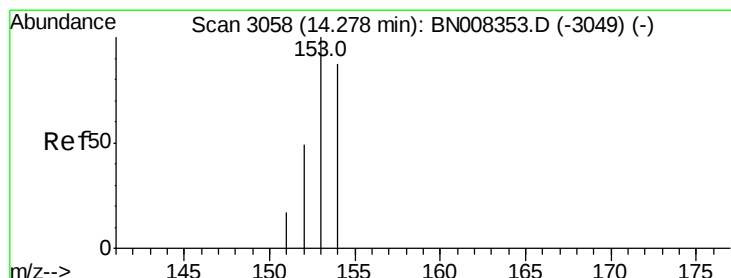
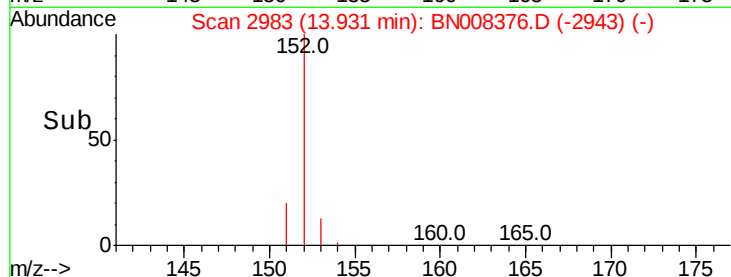
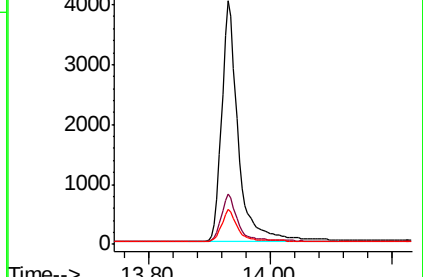
153 14.2 11.0 16.4



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: 0.378 ng/ul

RT: 14.27 min Scan# 3057

Delta R.T. -0.01 min

Lab File: BN008376.D

Acq: 24 Oct 2019 07:03

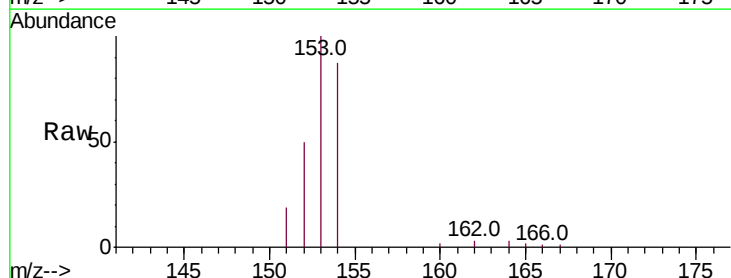
Tgt Ion:153 Resp: 6300

Ion Ratio Lower Upper

153 100

152 49.6 38.2 57.2

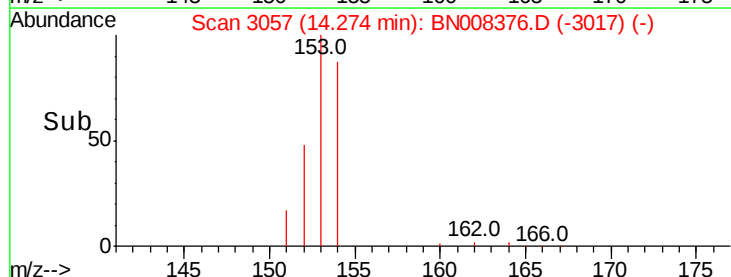
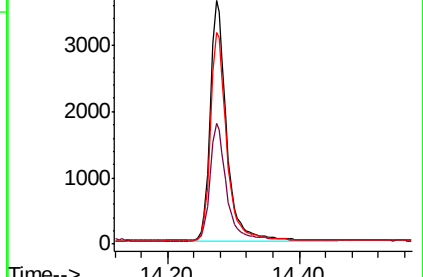
154 87.2 71.8 107.8

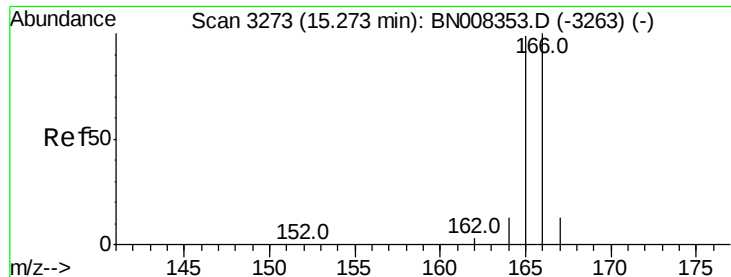


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.366 ng/ul

RT: 15.27 min Scan# 3273

Delta R.T. -0.01 min

Lab File: BN008376.D

Acq: 24 Oct 2019 07:03

Instrument :

BNA_N

ClientSampleId :

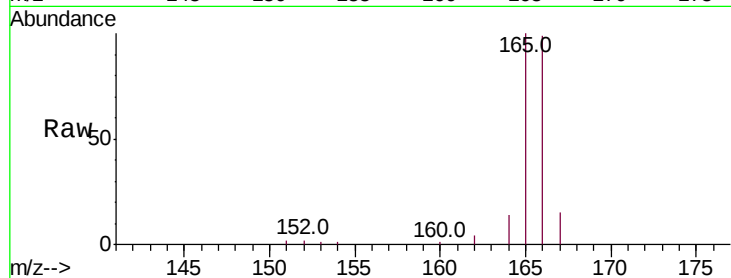
Tot Ion:166 Resp: 6917

Ion Ratio Lower Upper

166 100

165 100.6 76.6 115.0

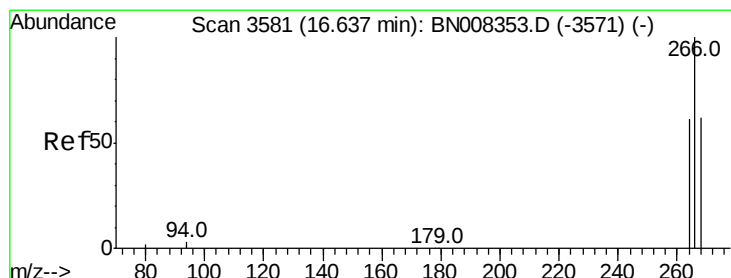
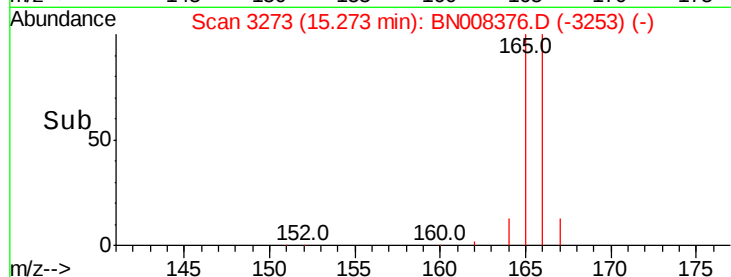
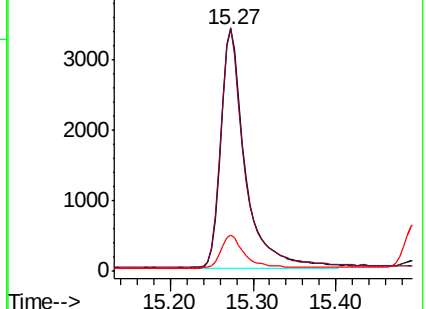
167 14.7 11.7 17.5



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



#11

Pentachlorophenol

Concen: 0.243 ng/ul

RT: 16.65 min Scan# 3583

Delta R.T. -0.03 min

Lab File: BN008376.D

Acq: 24 Oct 2019 07:03

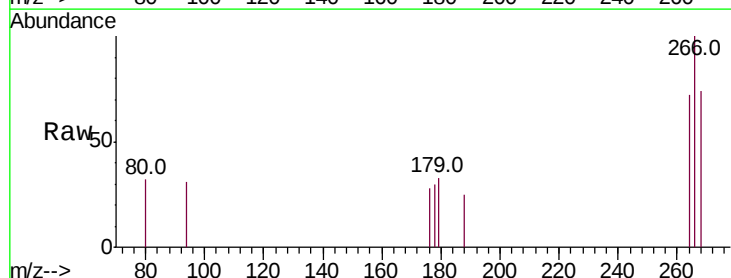
Tgt Ion:266 Resp: 537

Ion Ratio Lower Upper

266 100

264 63.1 50.1 75.1

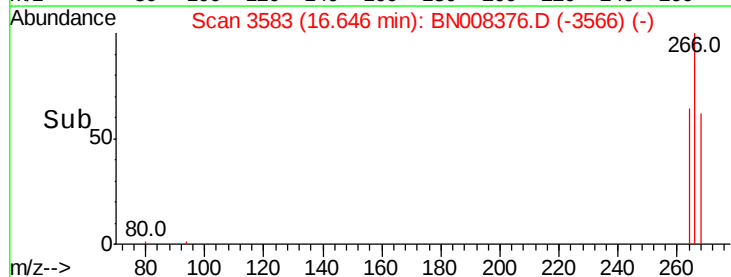
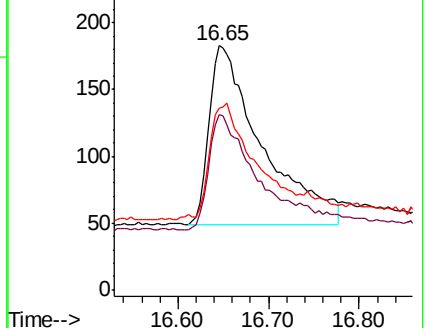
268 64.1 51.9 77.9

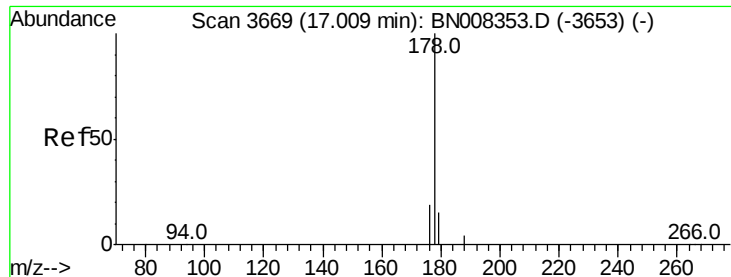


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.411 ng/ul

RT: 17.00 min Scan# 3668

Delta R.T. -0.01 min

Lab File: BN008376.D

Acq: 24 Oct 2019 07:03

Instrument :

BNA_N

ClientSampleId :

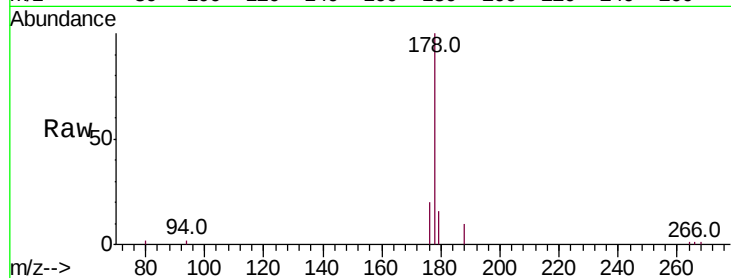
Tot Ion:178 Resp: 11004

Ion Ratio Lower Upper

178 100

179 16.2 12.8 19.2

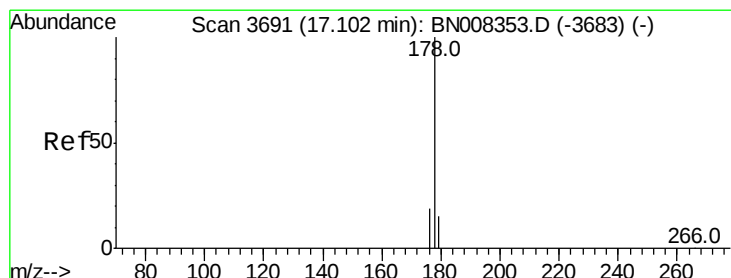
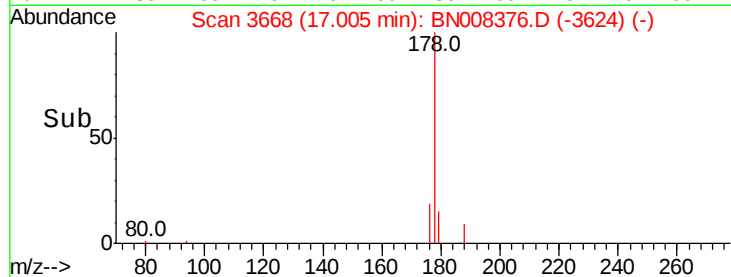
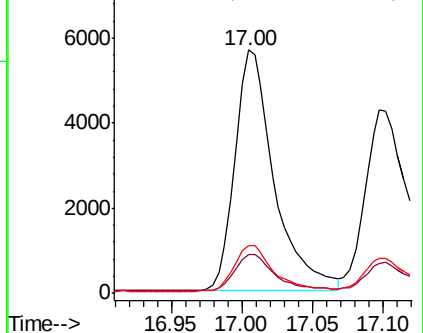
176 19.7 15.4 23.2



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: 0.408 ng/ul

RT: 17.10 min Scan# 3690

Delta R.T. -0.01 min

Lab File: BN008376.D

Acq: 24 Oct 2019 07:03

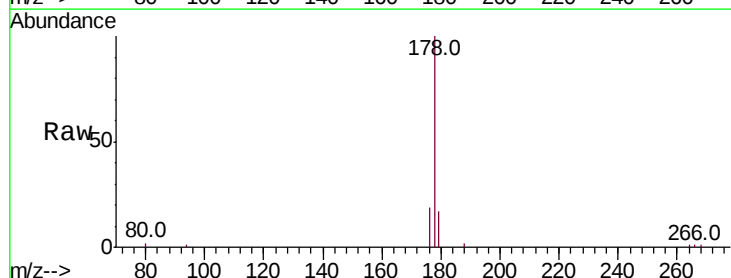
Tgt Ion:178 Resp: 9596

Ion Ratio Lower Upper

178 100

179 16.6 13.0 19.6

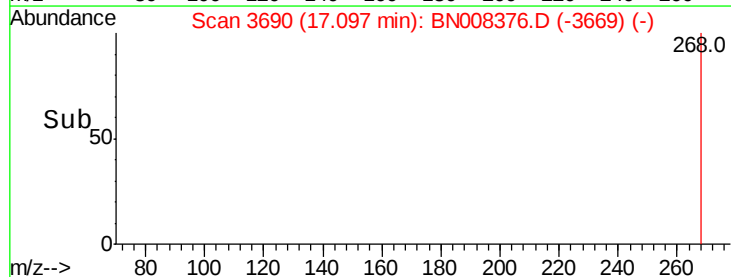
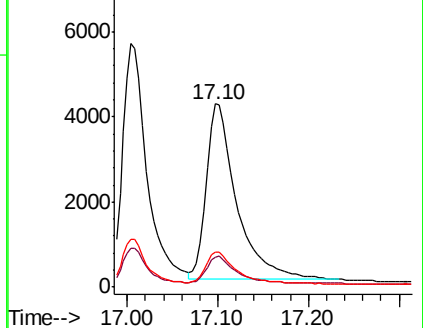
176 19.4 15.0 22.6

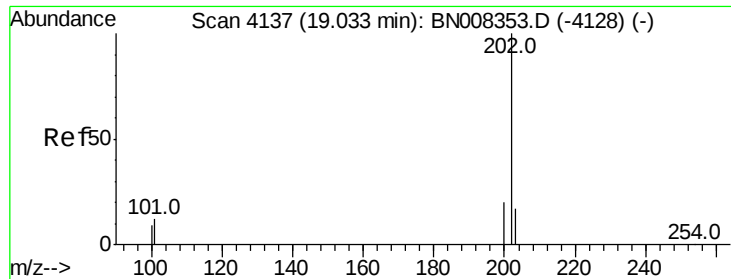


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.375 ng/ul

RT: 19.03 min Scan# 4137

Delta R.T. -0.01 min

Lab File: BN008376.D

Acq: 24 Oct 2019 07:03

Instrument :

BNA_N

ClientSampleId :

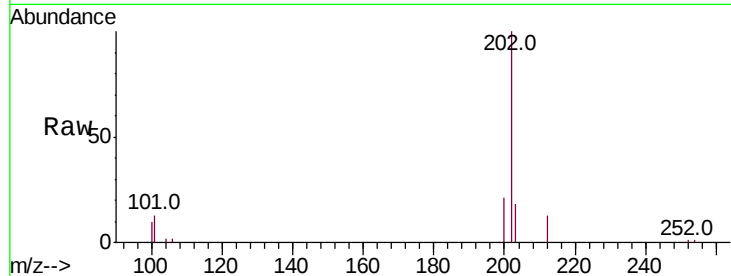
Tot Ion:202 Resp: 13248

Ion Ratio Lower Upper

202 100

101 12.9 0.0 31.2

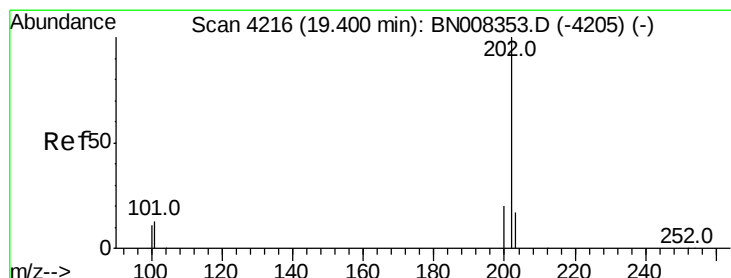
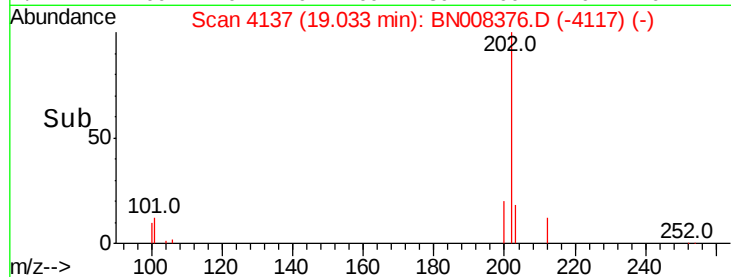
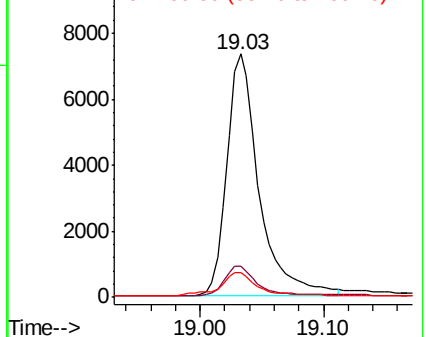
100 10.1 0.0 28.5



Abundance Ion 202.00 (201.70 to 202.70): E

10000 Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 0.459 ng/ul

RT: 19.40 min Scan# 4215

Delta R.T. -0.01 min

Lab File: BN008376.D

Acq: 24 Oct 2019 07:03

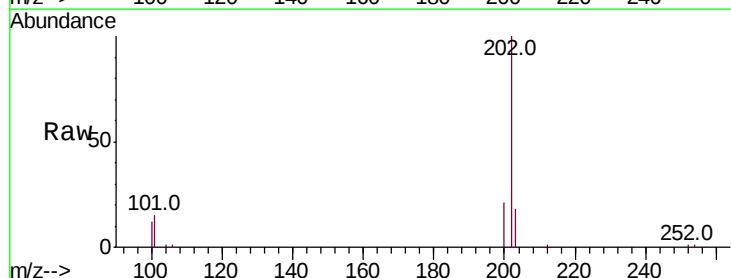
Tgt Ion:202 Resp: 13628

Ion Ratio Lower Upper

202 100

101 14.8 10.9 16.3

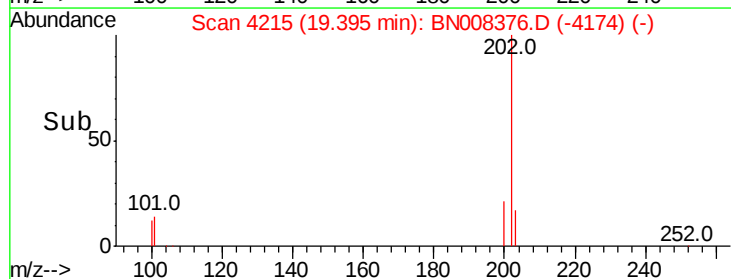
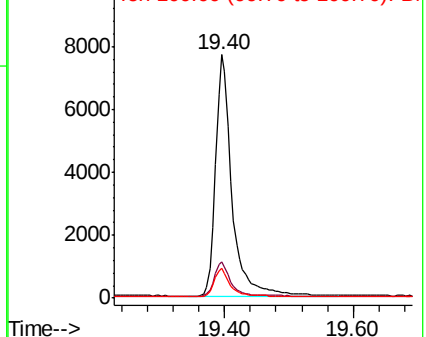
100 12.3 8.7 13.1

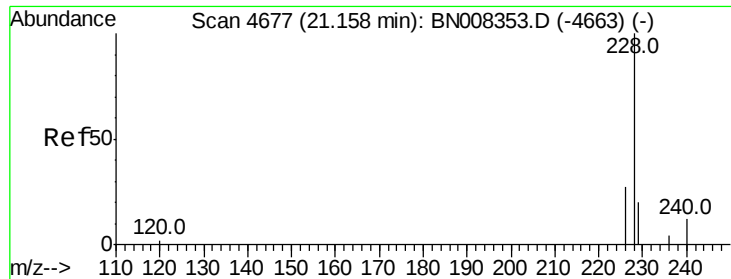


Abundance Ion 202.00 (201.70 to 202.70): E

10000 Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.368 ng/ul

RT: 21.16 min Scan# 4677

Delta R.T. -0.01 min

Lab File: BN008376.D

Acq: 24 Oct 2019 07:03

Instrument :

BNA_N

ClientSampleId :

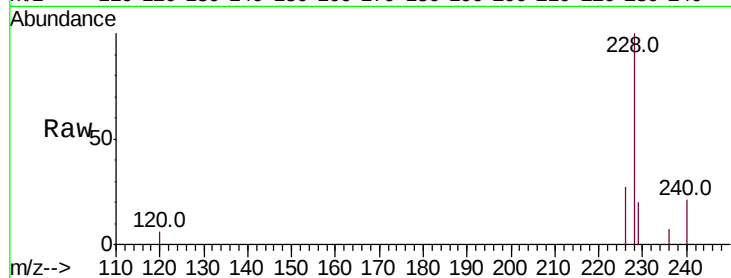
Tot Ion:228 Resp: 9978

Ion Ratio Lower Upper

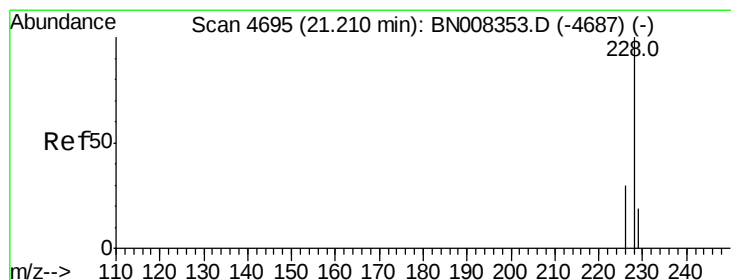
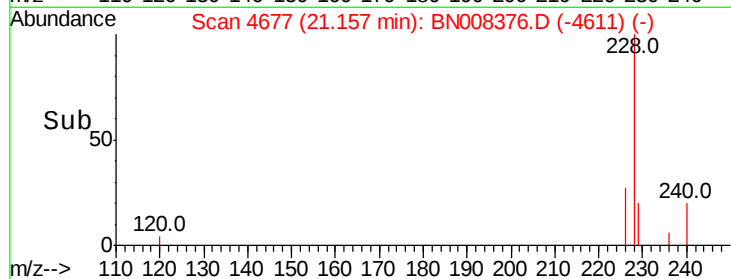
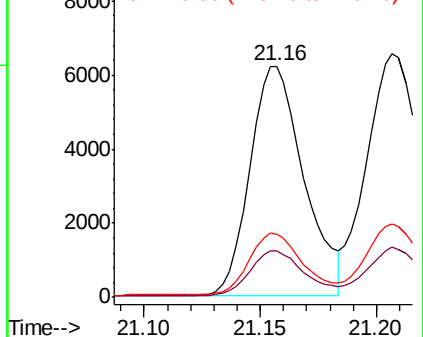
228 100

229 20.3 16.2 24.2

226 27.2 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: 0.395 ng/ul

RT: 21.21 min Scan# 4694

Delta R.T. -0.01 min

Lab File: BN008376.D

Acq: 24 Oct 2019 07:03

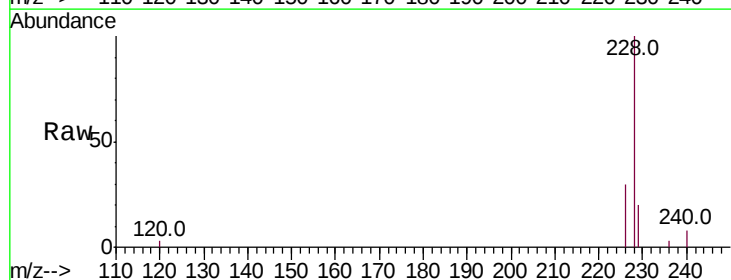
Tgt Ion:228 Resp: 13141

Ion Ratio Lower Upper

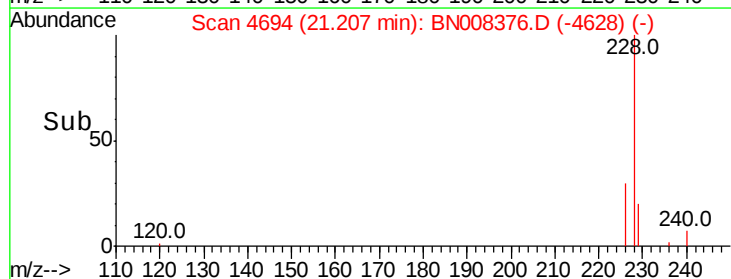
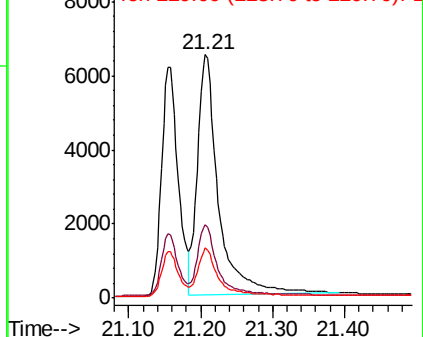
228 100

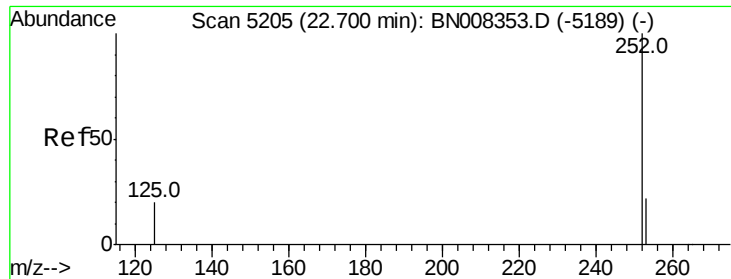
226 30.3 24.1 36.1

229 20.5 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: 0.482 ng/ul

RT: 22.70 min Scan# 5204

Delta R.T. -0.01 min

Lab File: BN008376.D

Acq: 24 Oct 2019 07:03

Instrument :

BNA_N

ClientSampleId :

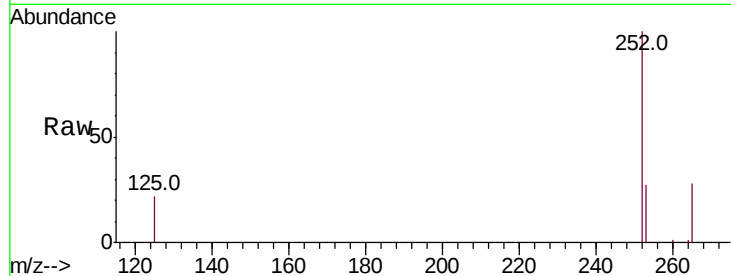
Tot Ion:252 Resp: 9529

Ion Ratio Lower Upper

252 100

253 27.0 0.0 53.4

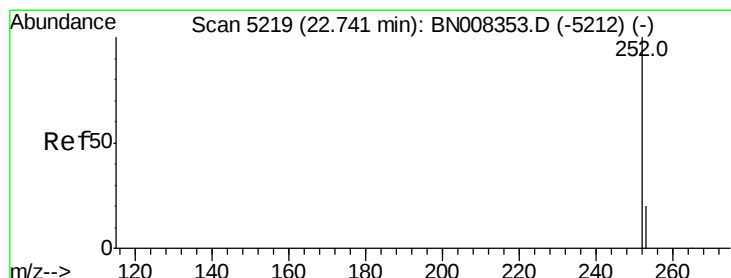
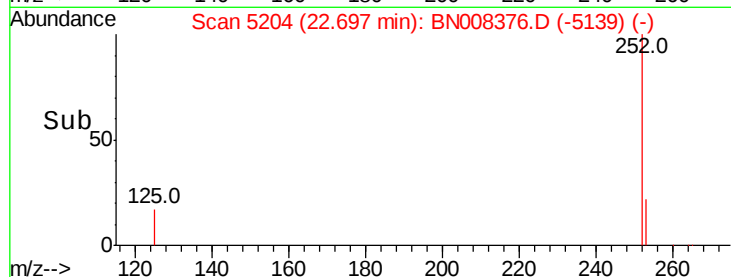
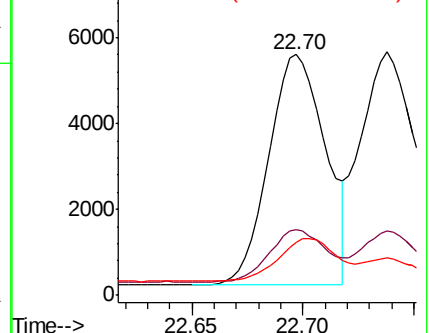
125 22.0 0.0 32.4



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: 0.505 ng/ul

RT: 22.74 min Scan# 5218

Delta R.T. -0.01 min

Lab File: BN008376.D

Acq: 24 Oct 2019 07:03

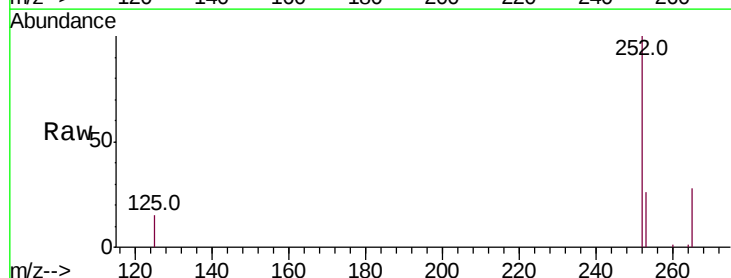
Tgt Ion:252 Resp: 11297

Ion Ratio Lower Upper

252 100

253 26.5 21.3 31.9

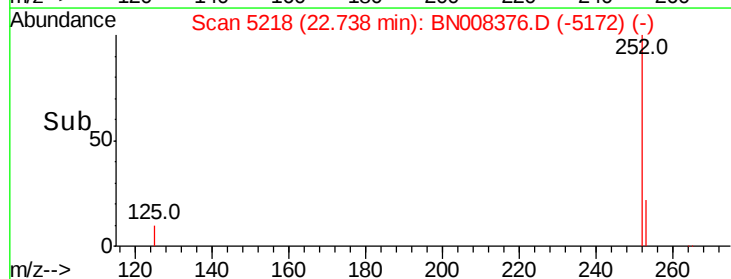
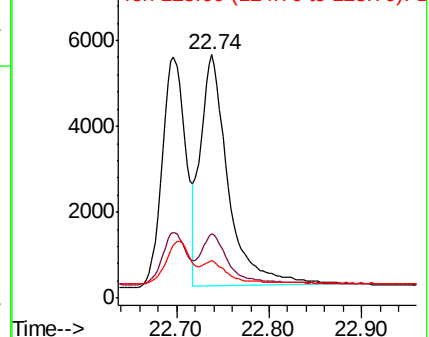
125 15.2 12.3 18.5

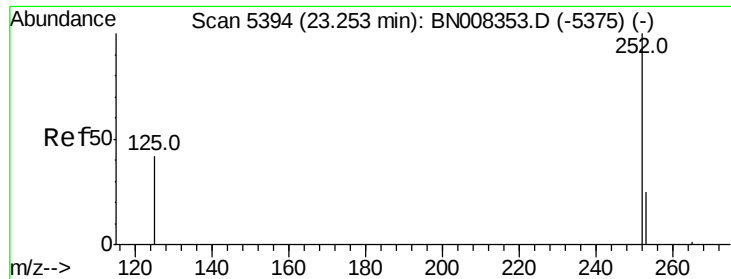


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.459 ng/ul

RT: 23.25 min Scan# 5393

Delta R.T. -0.01 min

Lab File: BN008376.D

Acq: 24 Oct 2019 07:03

Instrument :

BNA_N

ClientSampleId :

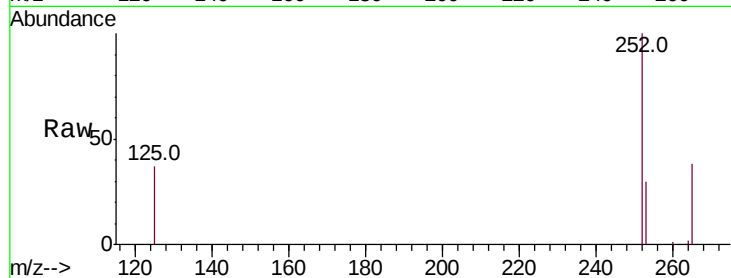
Tot Ion:252 Resp: 9555

Ion Ratio Lower Upper

252 100

253 30.3 22.8 34.2

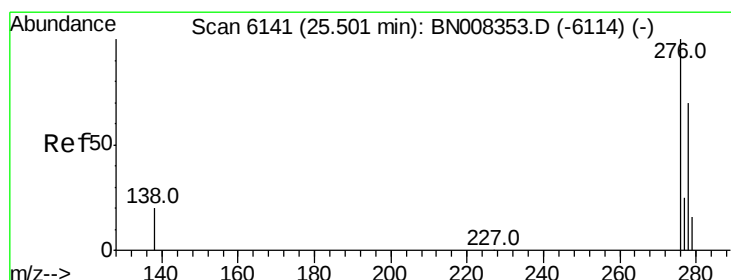
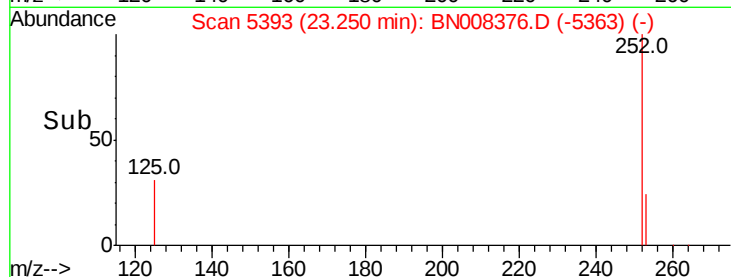
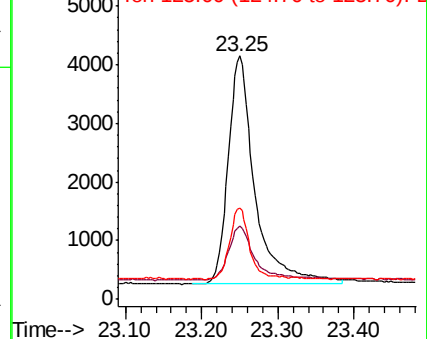
125 37.3 18.4 27.6#



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: 0.410 ng/ul

RT: 25.49 min Scan# 6139

Delta R.T. -0.02 min

Lab File: BN008376.D

Acq: 24 Oct 2019 07:03

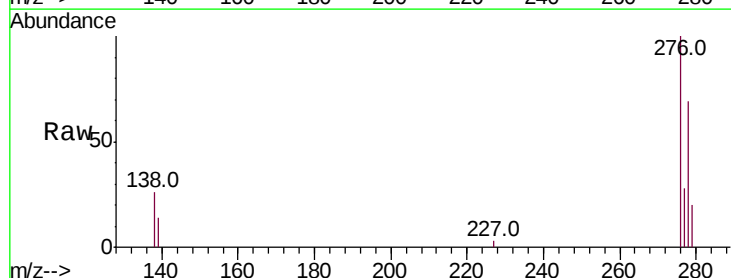
Tgt Ion:276 Resp: 10048

Ion Ratio Lower Upper

276 100

138 22.6 16.1 24.1

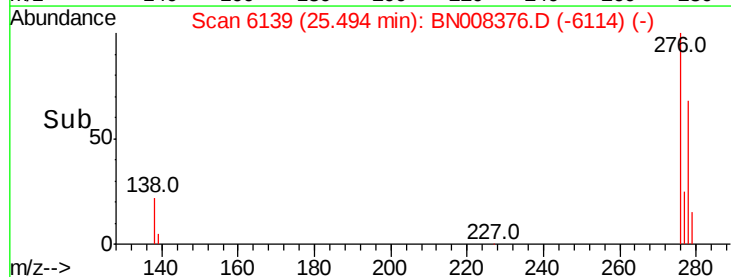
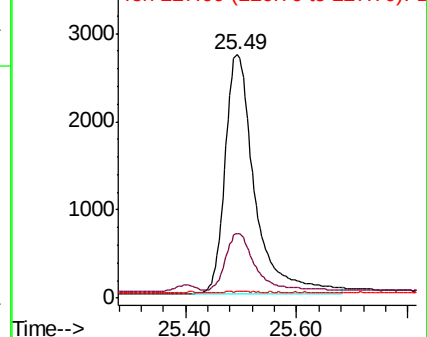
227 0.1 0.2 0.2#

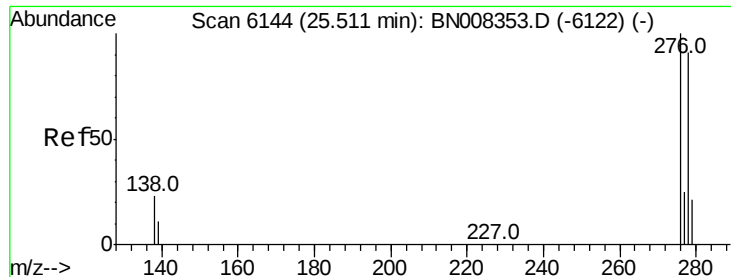


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.415 ng/ul

RT: 25.50 min Scan# 6142

Delta R.T. -0.02 min

Lab File: BN008376.D

Acq: 24 Oct 2019 07:03

Instrument :

BNA_N

ClientSampleId :

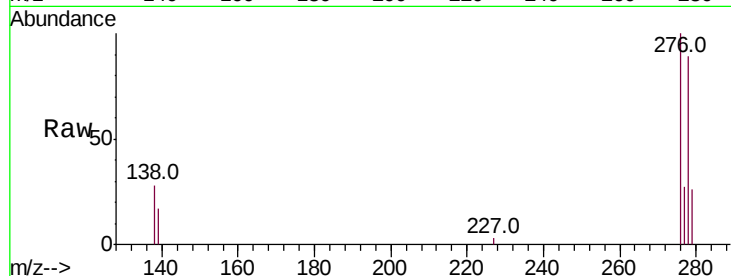
Tot Ion:278 Resp: 8033

Ion Ratio Lower Upper

278 100

139 19.6 15.0 22.6

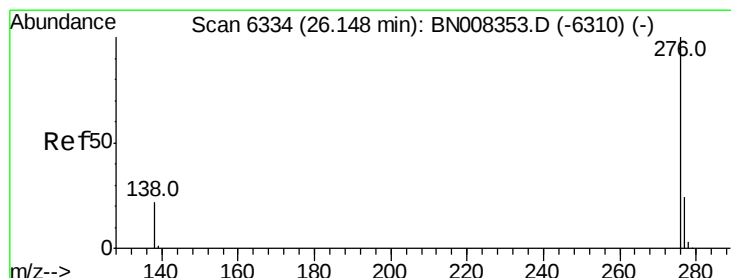
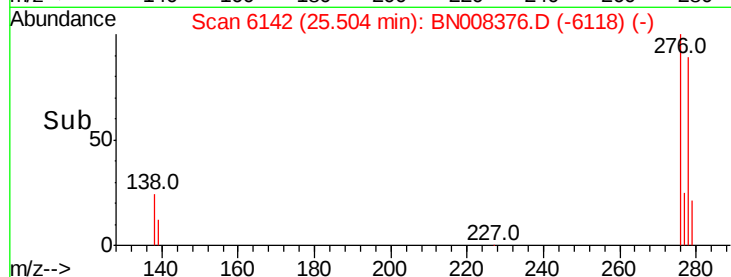
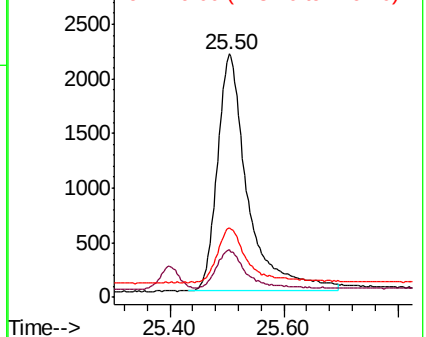
279 28.6 22.4 33.6



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(g,h,i)perylene

Concen: 0.396 ng/ul

RT: 26.14 min Scan# 6332

Delta R.T. -0.03 min

Lab File: BN008376.D

Acq: 24 Oct 2019 07:03

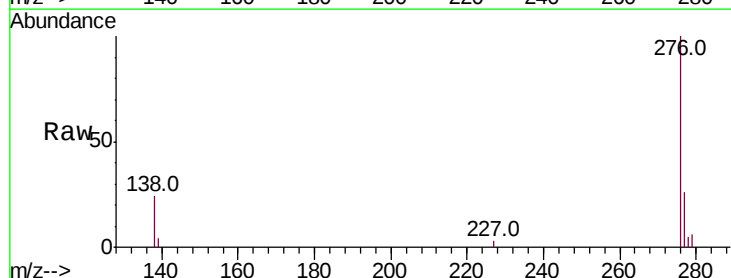
Tgt Ion:276 Resp: 8894

Ion Ratio Lower Upper

276 100

138 24.3 17.0 25.4

277 25.7 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

