

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071819\
 Data File : BN006906.D
 Acq On : 18 Jul 2019 23:39
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 19 03:42:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 06:39:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	2279	0.40	ng/ul	0.01
2) Naphthalene-d8	10.37	136	8823	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	4667	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	10114	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	8174	0.40	ng/ul	-0.01
20) Perylene-d12	23.45	264	9094	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.98	152	5052	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	10778	0.36	ng/ul	0.00

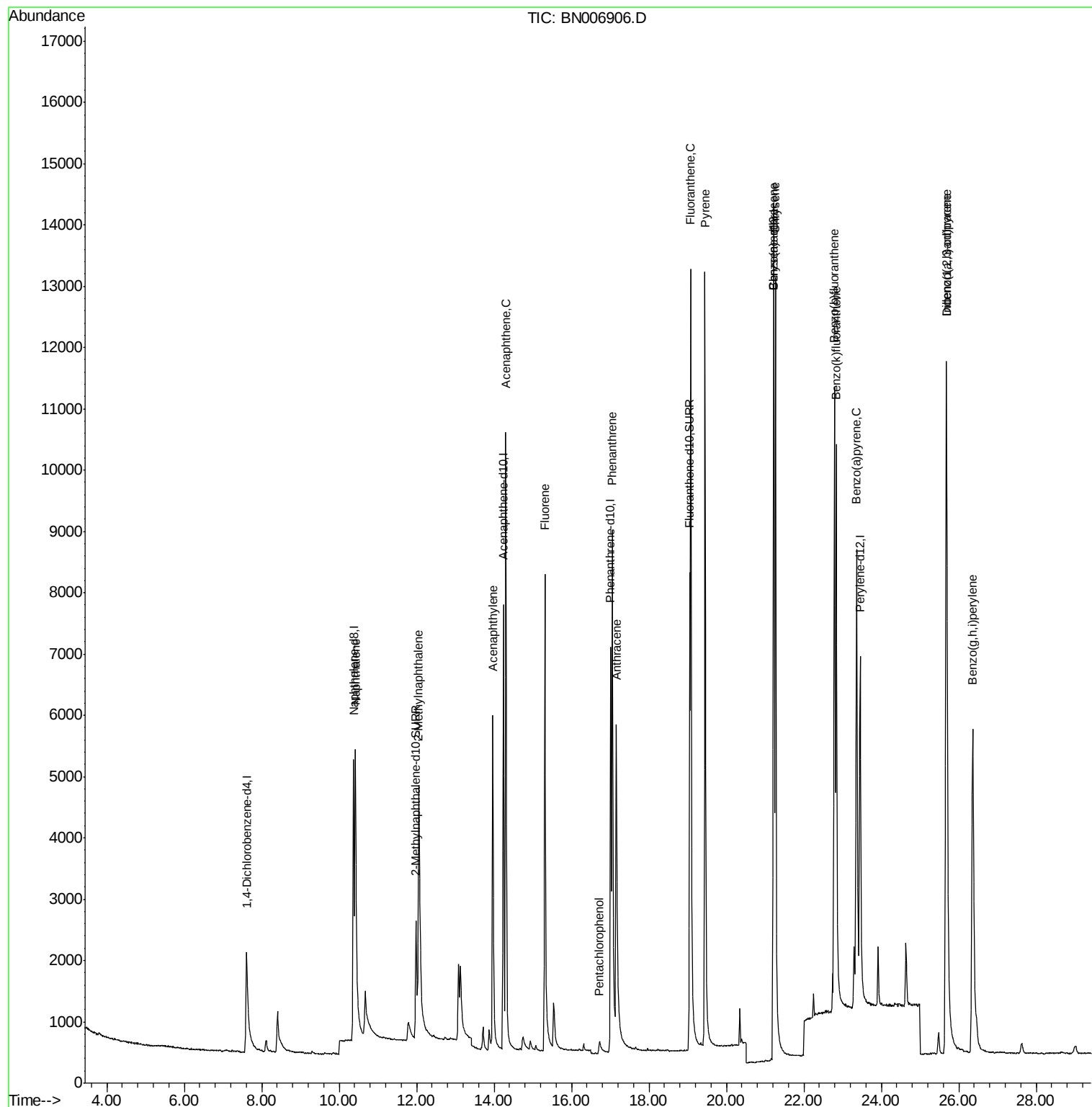
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.42	128	9956	0.393	ng/ul	98
5) 2-Methylnaphthalene	12.06	142	6049	0.353	ng/ul	98
7) Acenaphthylene	13.96	152	8729	0.362	ng/ul	99
8) Acenaphthene	14.30	153	7096	0.382	ng/ul	98
9) Fluorene	15.31	166	7376	0.363	ng/ul	97
11) Pentachlorophenol	16.72	266	443	0.294	ng/ul	96
12) Phenanthrene	17.05	178	12007	0.369	ng/ul	99
13) Anthracene	17.15	178	9440	0.336	ng/ul	99
15) Fluoranthene	19.08	202	14037	0.349	ng/ul	98
17) Pyrene	19.45	202	14608	0.391	ng/ul	99
18) Benzo(a)anthracene	21.21	228	11572	0.345	ng/ul	100
19) Chrysene	21.26	228	15090	0.403	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	12974	0.348	ng/ul	98
22) Benzo(k)fluoranthene	22.83	252	15203	0.390	ng/ul	98
23) Benzo(a)pyrene	23.36	252	13623	0.373	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.68	276	15643	0.423	ng/ul	94
25) Dibenzo(a,h)anthracene	25.68	278	12199	0.415	ng/ul	97
26) Benzo(g,h,i)perylene	26.36	276	13761	0.445	ng/ul	97

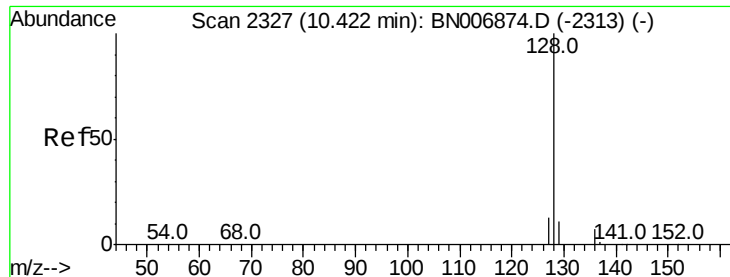
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.393 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. 0.01 min

Lab File: BN006906.D

Acq: 18 Jul 2019 23:39

Instrument :

BNA_N

ClientSampleId :

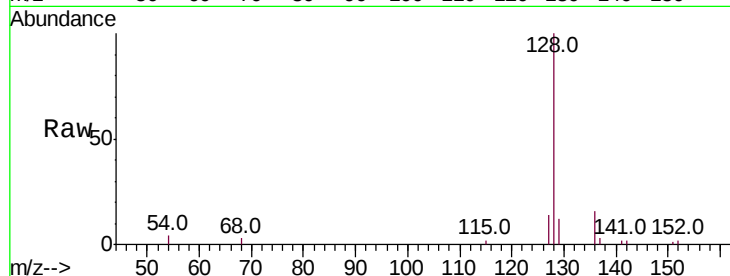
Tot Ion:128 Resp: 9956

Ion Ratio Lower Upper

128 100

129 12.2 9.4 14.0

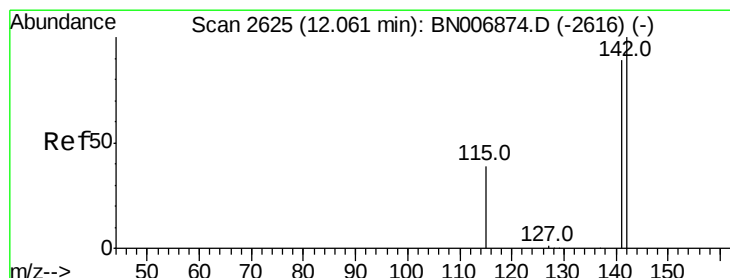
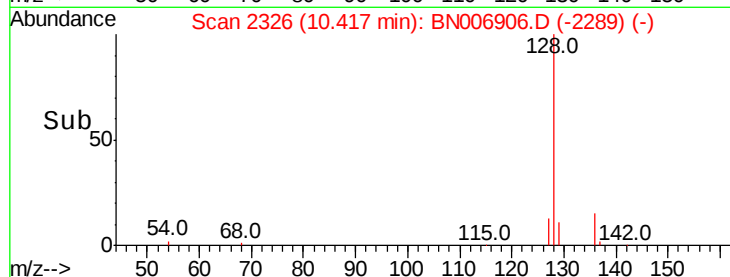
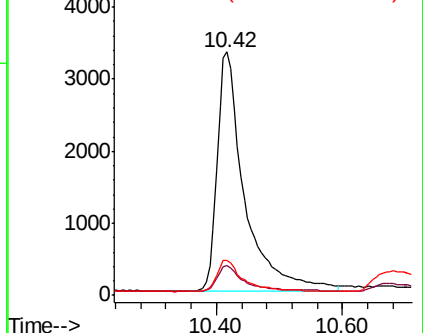
127 14.4 10.6 16.0



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: 0.353 ng/ul

RT: 12.06 min Scan# 2624

Delta R.T. 0.01 min

Lab File: BN006906.D

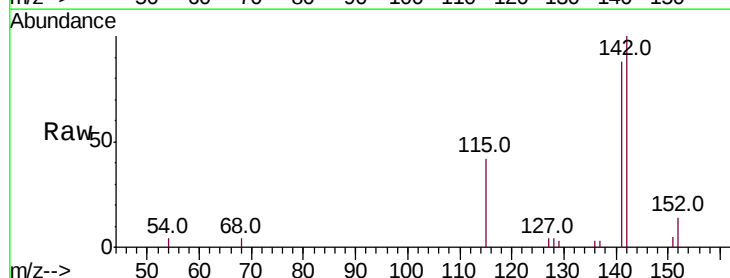
Acq: 18 Jul 2019 23:39

Tgt Ion:142 Resp: 6049

Ion Ratio Lower Upper

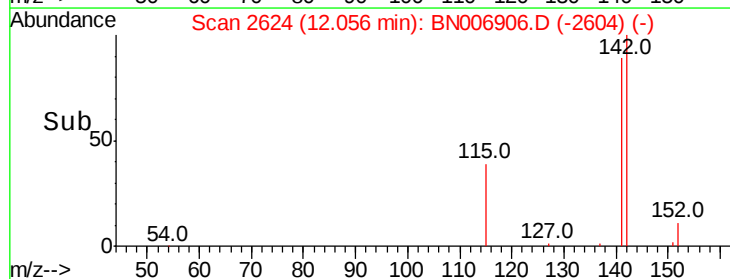
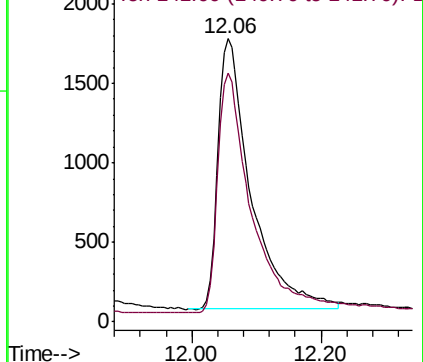
142 100

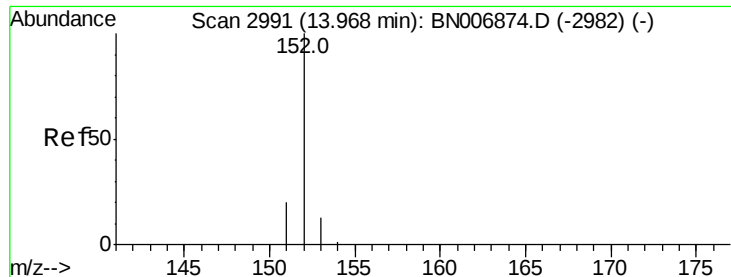
141 91.8 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.362 ng/ul

RT: 13.96 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BN006906.D

Acq: 18 Jul 2019 23:39

Instrument :

BNA_N

ClientSampled :

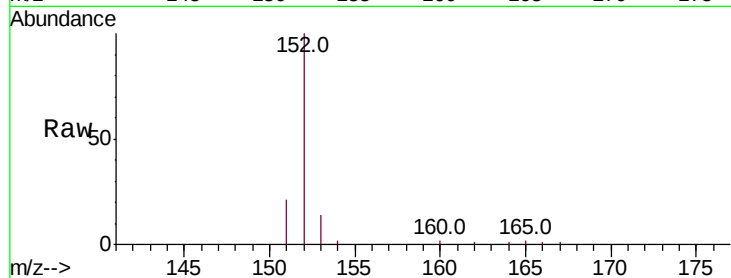
Tot Ion:152 Resp: 8729

Ion Ratio Lower Upper

152 100

151 20.8 16.1 24.1

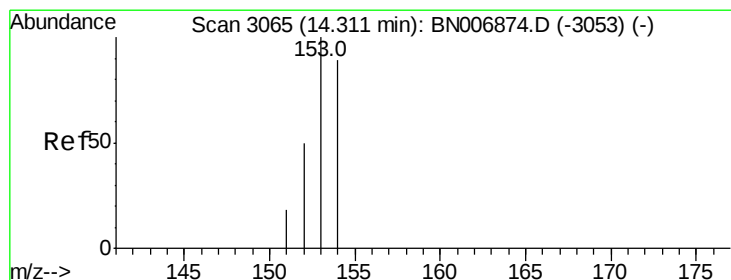
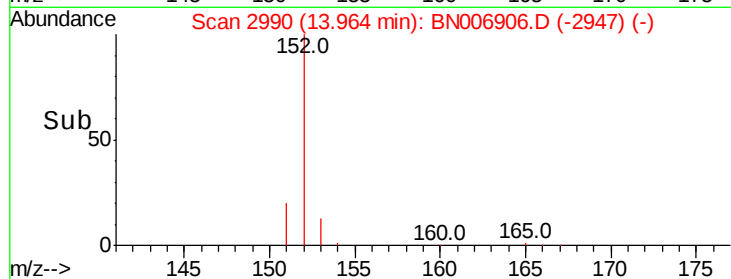
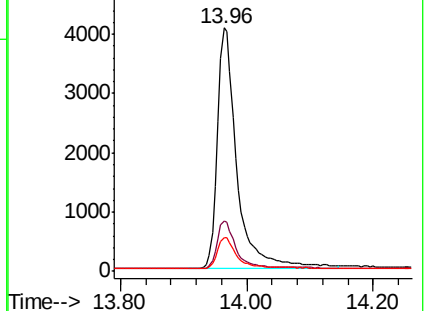
153 14.0 11.2 16.8



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: 0.382 ng/ul

RT: 14.30 min Scan# 3063

Delta R.T. -0.00 min

Lab File: BN006906.D

Acq: 18 Jul 2019 23:39

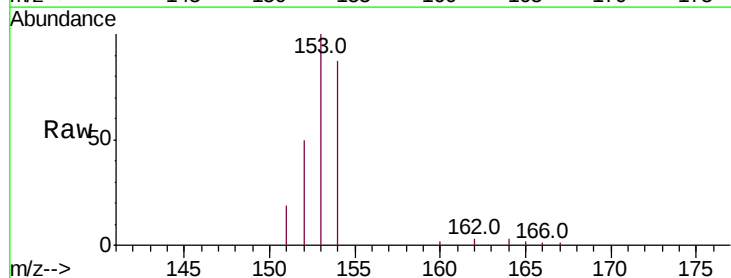
Tgt Ion:153 Resp: 7096

Ion Ratio Lower Upper

153 100

152 50.3 39.3 58.9

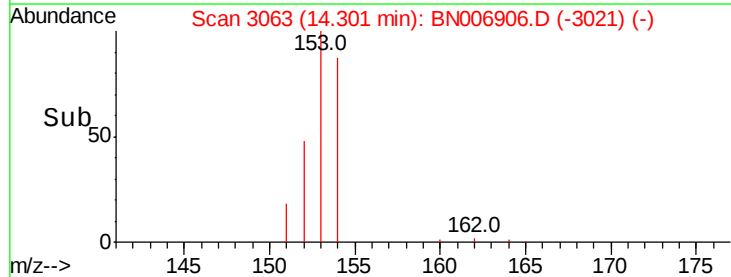
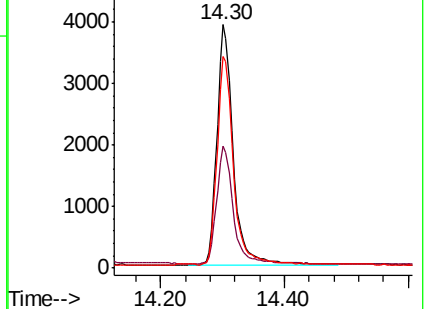
154 86.9 70.6 105.8

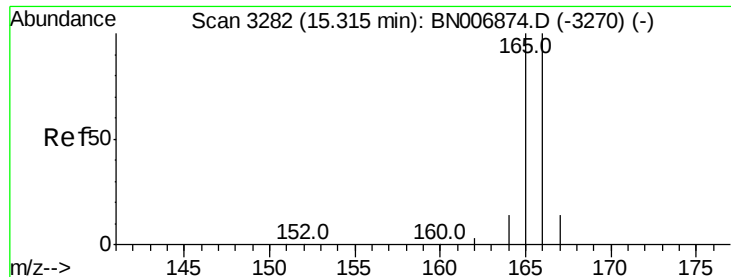


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.363 ng/ul

RT: 15.31 min Scan# 3281

Delta R.T. -0.00 min

Lab File: BN006906.D

Acq: 18 Jul 2019 23:39

Instrument :

BNA_N

ClientSampleId :

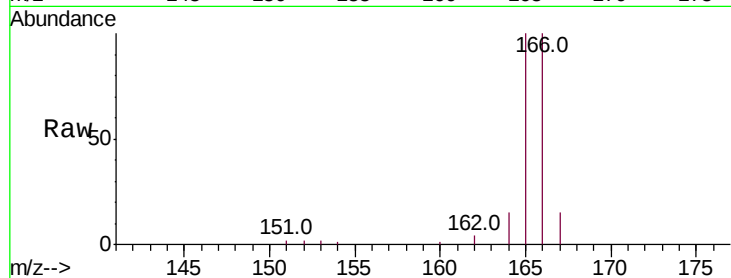
Tot Ion:166 Resp: 7376

Ion Ratio Lower Upper

166 100

165 100.4 78.2 117.4

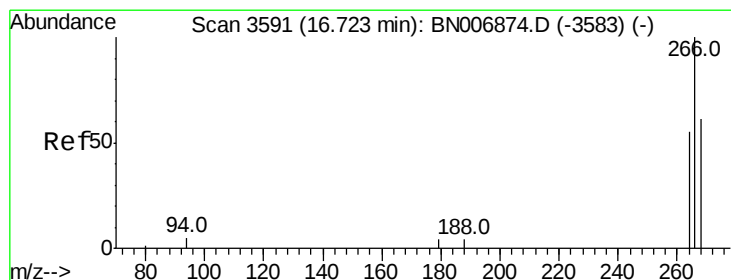
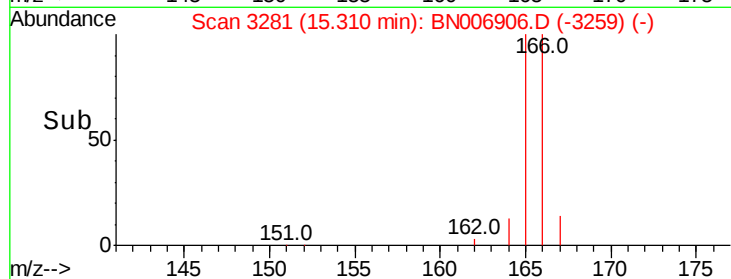
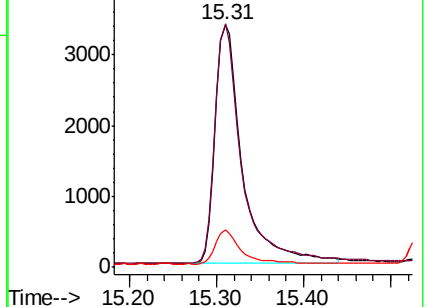
167 15.2 11.3 16.9



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: 0.294 ng/ul

RT: 16.72 min Scan# 3591

Delta R.T. -0.00 min

Lab File: BN006906.D

Acq: 18 Jul 2019 23:39

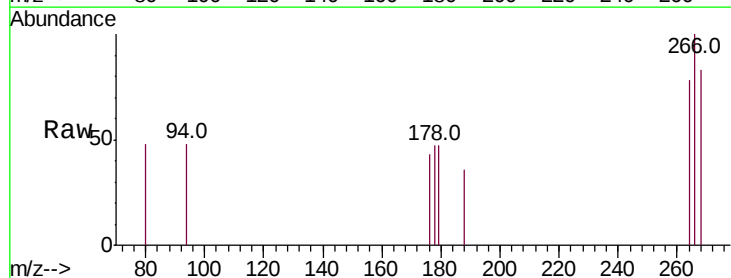
Tgt Ion:266 Resp: 443

Ion Ratio Lower Upper

266 100

264 59.4 45.9 68.9

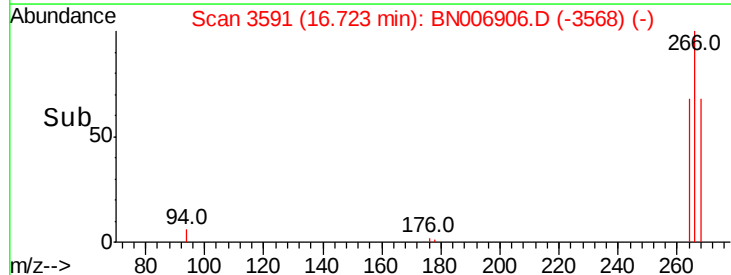
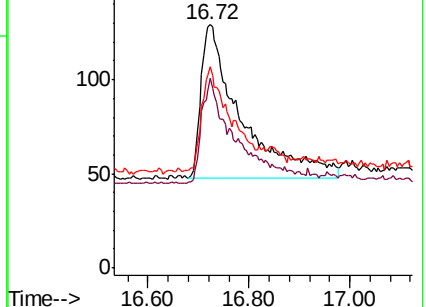
268 64.8 48.1 72.1

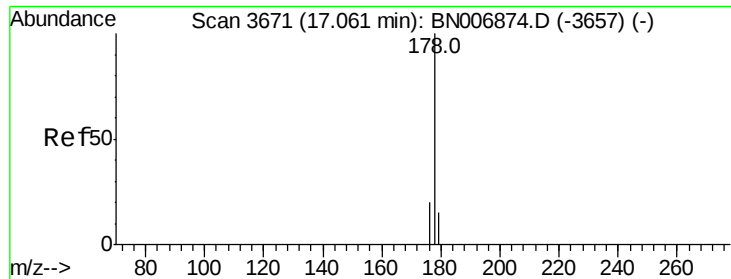


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.369 ng/ul

RT: 17.05 min Scan# 3669

Delta R.T. -0.00 min

Lab File: BN006906.D

Acq: 18 Jul 2019 23:39

Instrument :

BNA_N

ClientSampleId :

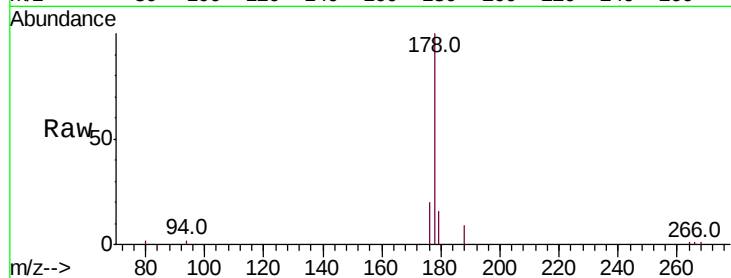
Tot Ion:178 Resp: 12007

Ion Ratio Lower Upper

178 100

179 16.4 12.6 19.0

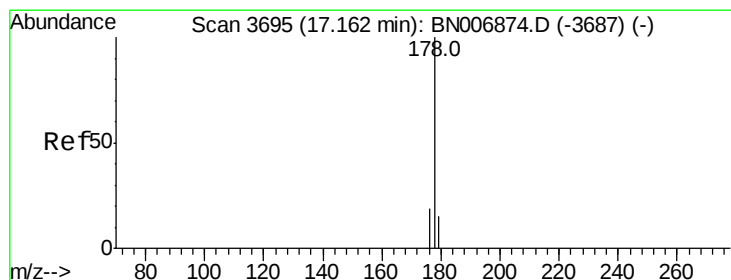
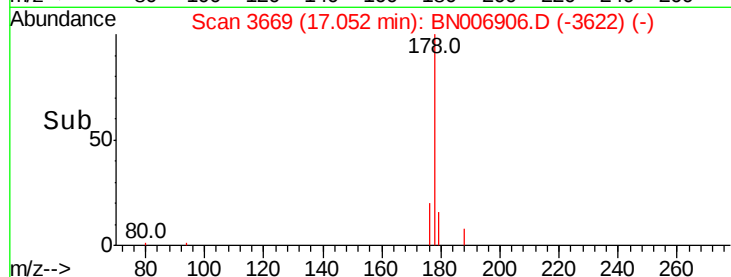
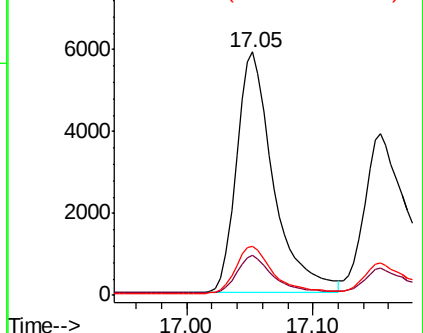
176 20.3 15.8 23.8



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



#13

Anthracene

Concen: 0.336 ng/ul

RT: 17.15 min Scan# 3693

Delta R.T. 0.00 min

Lab File: BN006906.D

Acq: 18 Jul 2019 23:39

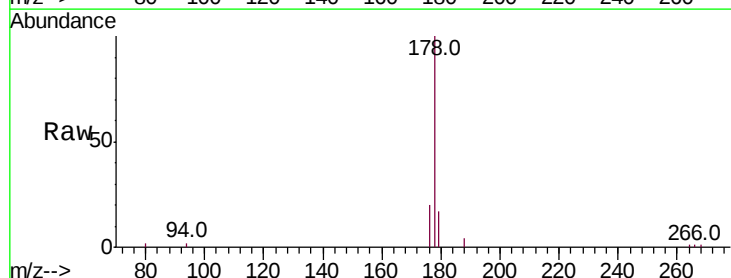
Tgt Ion:178 Resp: 9440

Ion Ratio Lower Upper

178 100

179 16.6 12.7 19.1

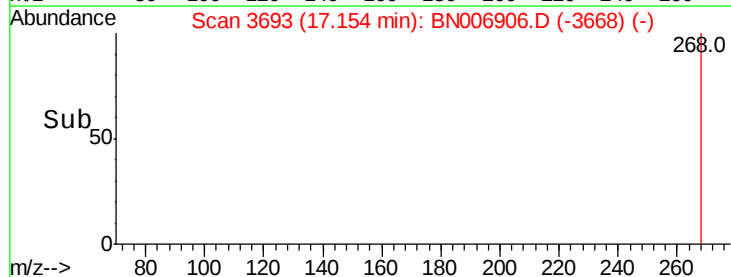
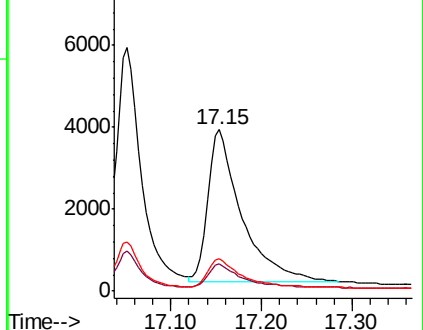
176 20.2 15.8 23.6

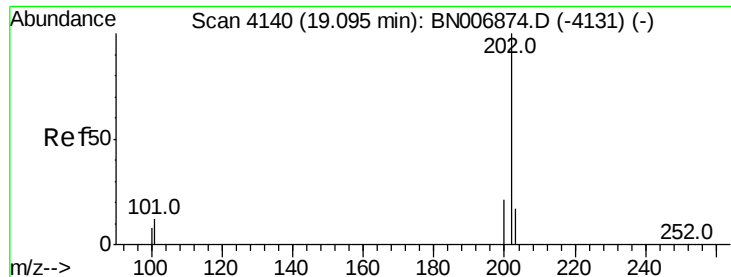


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.349 ng/ul

RT: 19.08 min Scan# 4137

Delta R.T. -0.00 min

Lab File: BN006906.D

Acq: 18 Jul 2019 23:39

Instrument :

BNA_N

ClientSampleId :

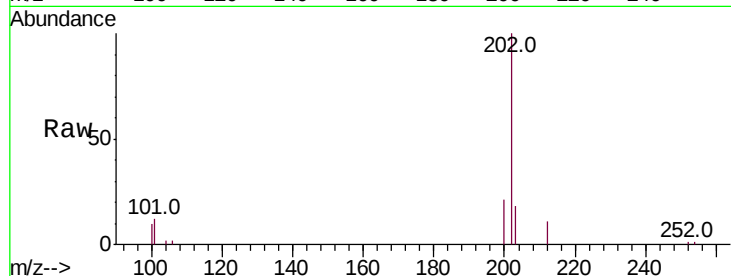
Tot Ion:202 Resp: 14037

Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.2

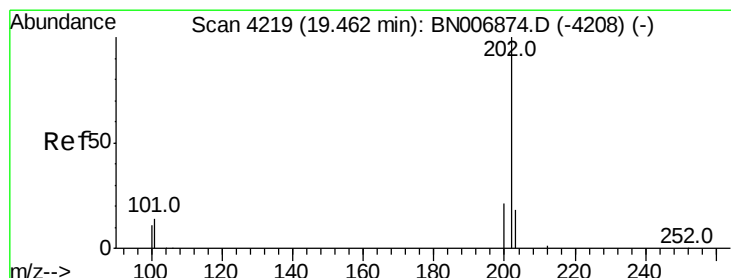
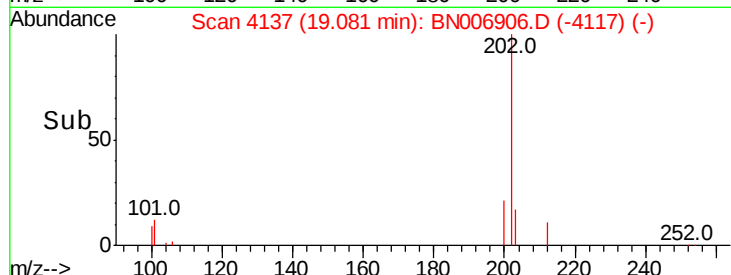
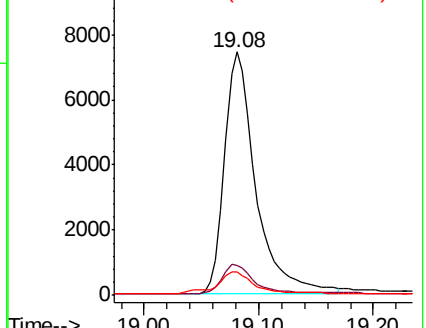
100 9.5 0.0 29.9



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

Pyrene

Concen: 0.391 ng/ul

RT: 19.45 min Scan# 4216

Delta R.T. -0.00 min

Lab File: BN006906.D

Acq: 18 Jul 2019 23:39

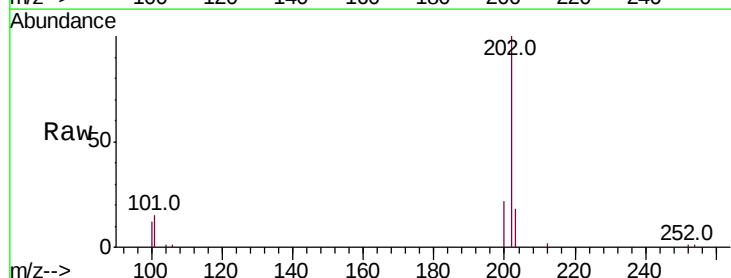
Tgt Ion:202 Resp: 14608

Ion Ratio Lower Upper

202 100

101 15.0 12.2 18.2

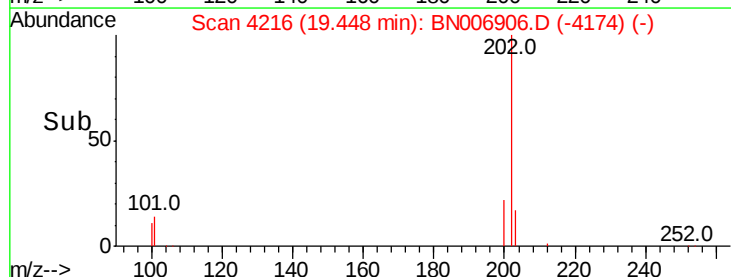
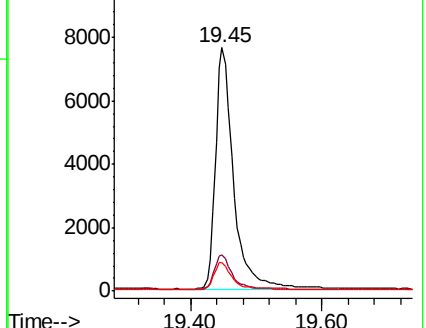
100 11.9 9.8 14.8

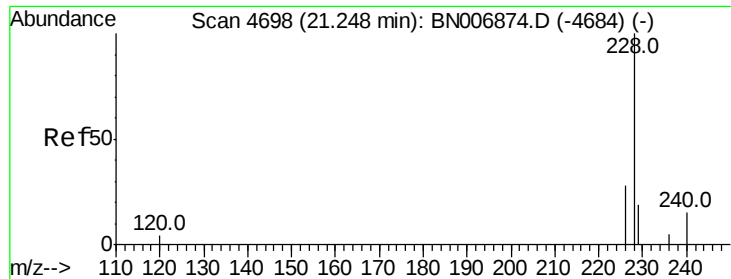


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.345 ng/ul

RT: 21.21 min Scan# 4686

Delta R.T. -0.01 min

Lab File: BN006906.D

Acq: 18 Jul 2019 23:39

Instrument :

BNA_N

ClientSampleId :

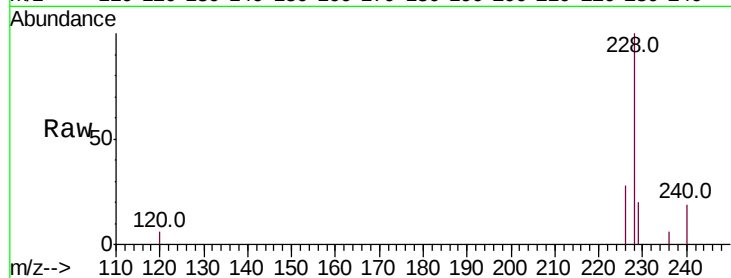
Tot Ion:228 Resp: 11572

Ion Ratio Lower Upper

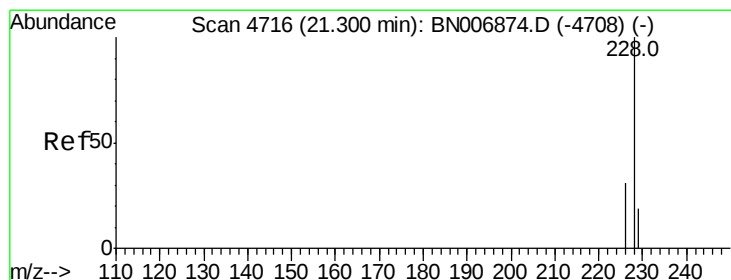
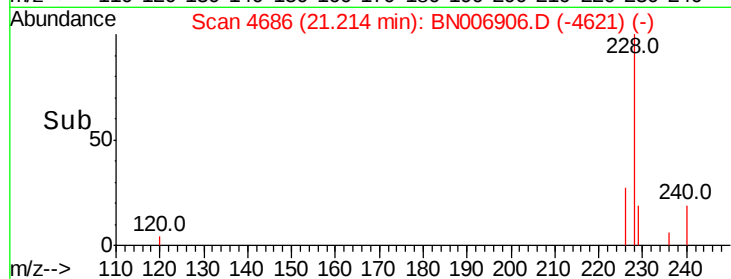
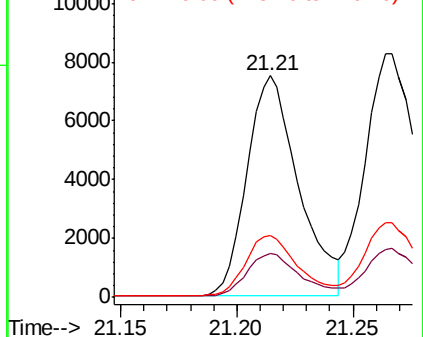
228 100

229 19.8 15.9 23.9

226 28.0 22.6 34.0



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: 0.403 ng/ul

RT: 21.26 min Scan# 4703

Delta R.T. -0.01 min

Lab File: BN006906.D

Acq: 18 Jul 2019 23:39

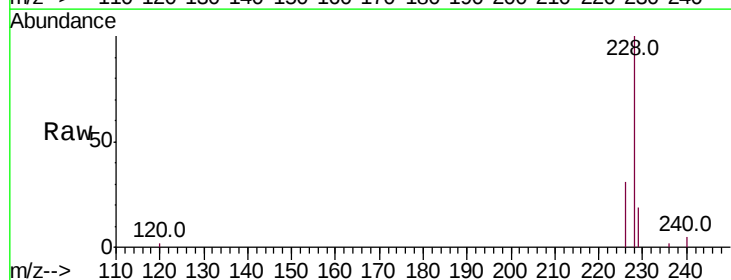
Tgt Ion:228 Resp: 15090

Ion Ratio Lower Upper

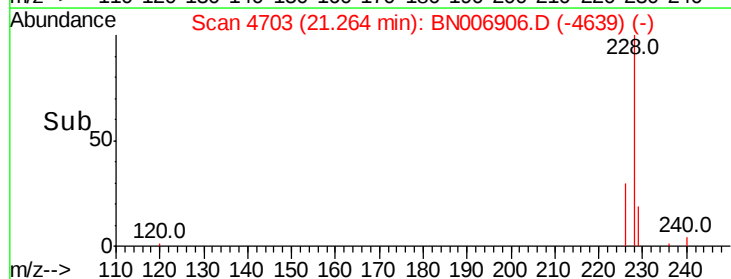
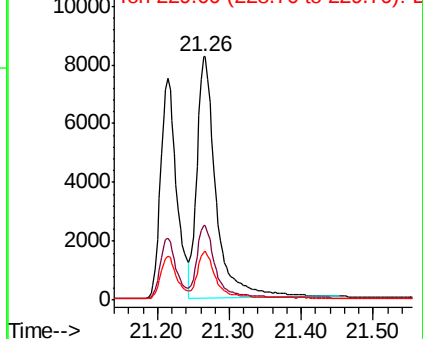
228 100

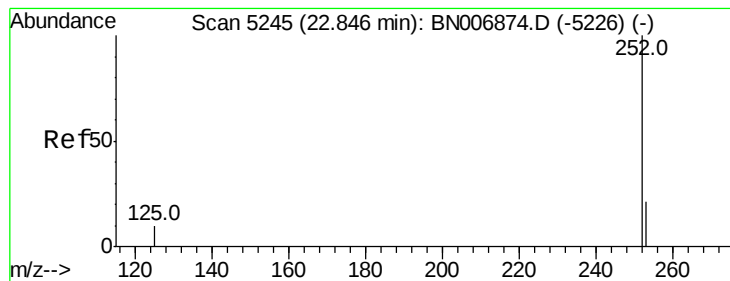
226 30.8 24.2 36.4

229 19.5 15.5 23.3



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: 0.348 ng/u1

RT: 22.79 min Scan# 5224

Delta R.T. -0.02 min

Lab File: BN006906.D

Acq: 18 Jul 2019 23:39

Instrument :

BNA_N

ClientSampleId :

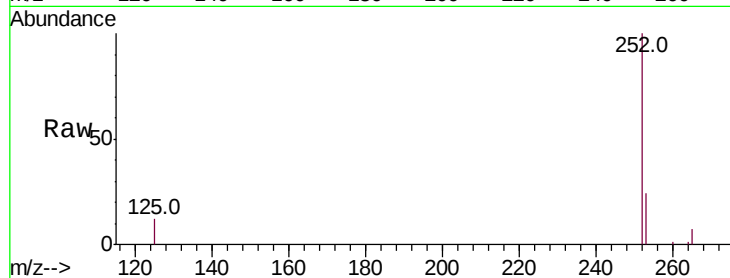
Tot Ion:252 Resp: 12974

Ion Ratio Lower Upper

252 100

253 24.2 0.0 47.8

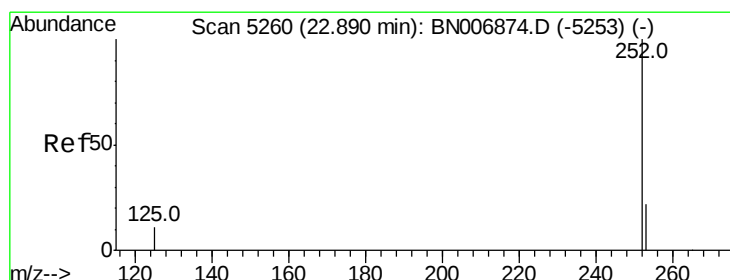
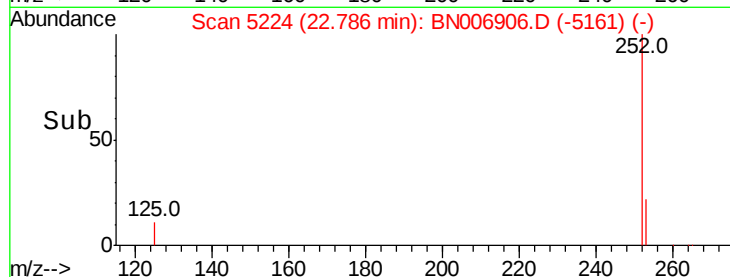
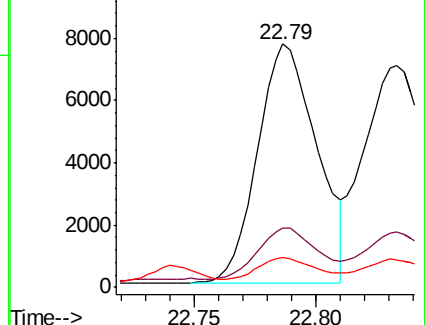
125 12.4 0.0 29.2



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: 0.390 ng/u1

RT: 22.83 min Scan# 5240

Delta R.T. -0.01 min

Lab File: BN006906.D

Acq: 18 Jul 2019 23:39

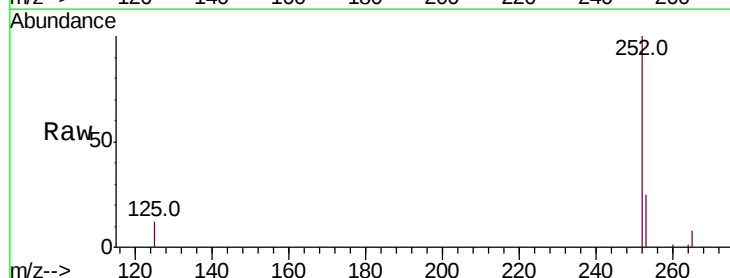
Tgt Ion:252 Resp: 15203

Ion Ratio Lower Upper

252 100

253 24.8 19.2 28.8

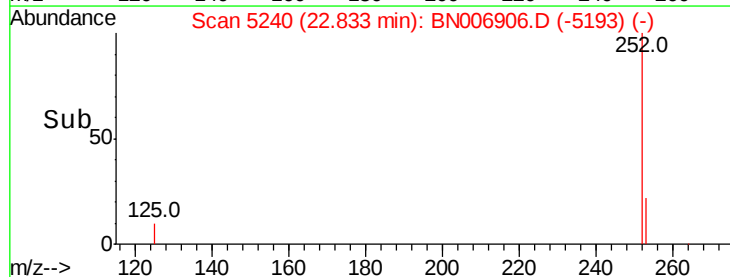
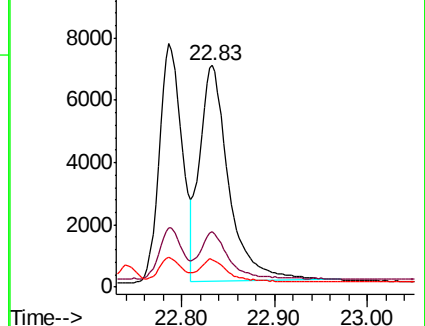
125 12.4 11.0 16.6

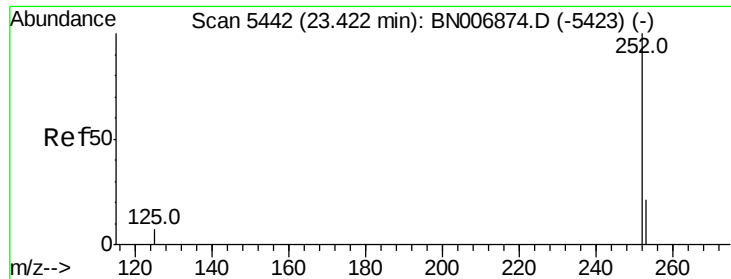


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.373 ng/ul

RT: 23.36 min Scan# 5420

Delta R.T. -0.02 min

Lab File: BN006906.D

Acq: 18 Jul 2019 23:39

Instrument :

BNA_N

ClientSampleId :

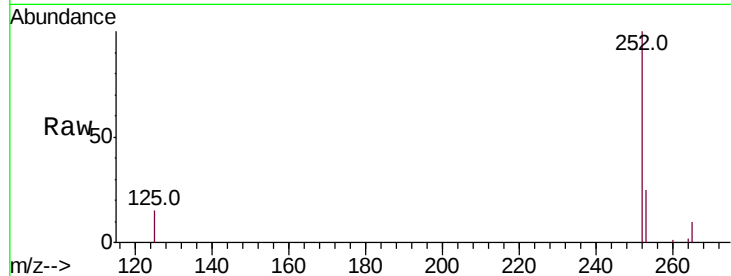
Tot Ion:252 Resp: 13623

Ion Ratio Lower Upper

252 100

253 25.4 19.4 29.2

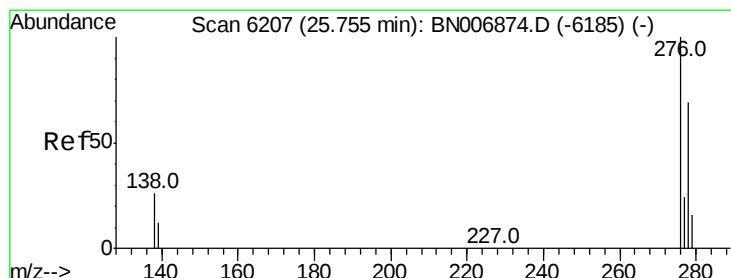
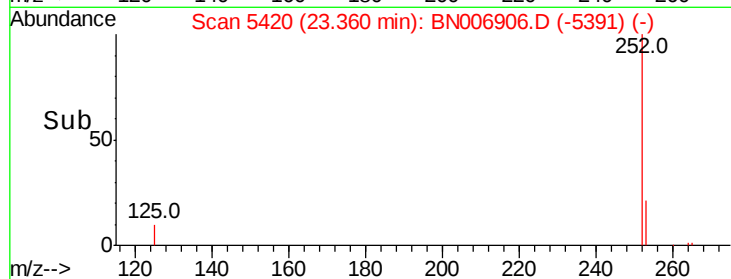
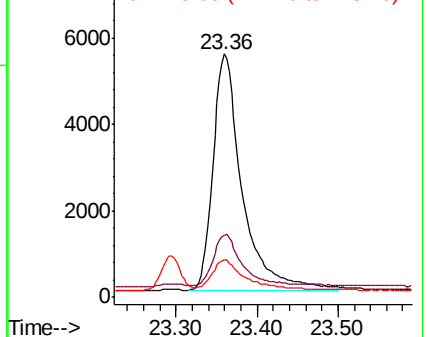
125 15.3 12.6 19.0



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

Indeno(1,2,3-cd)pyrene

Concen: 0.423 ng/ul

RT: 25.68 min Scan# 6184

Delta R.T. -0.02 min

Lab File: BN006906.D

Acq: 18 Jul 2019 23:39

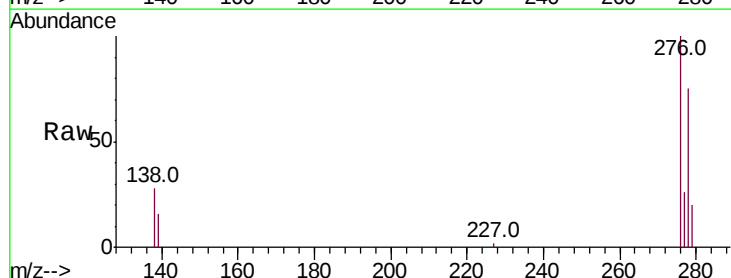
Tgt Ion:276 Resp: 15643

Ion Ratio Lower Upper

276 100

138 27.2 24.3 36.5

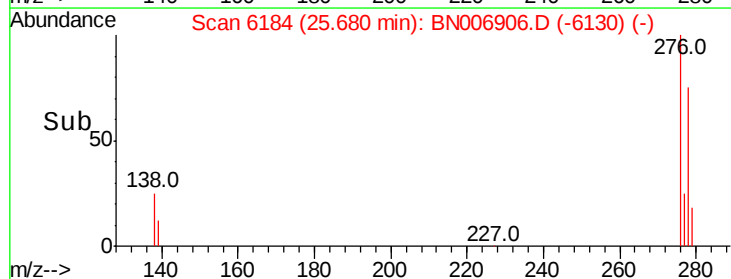
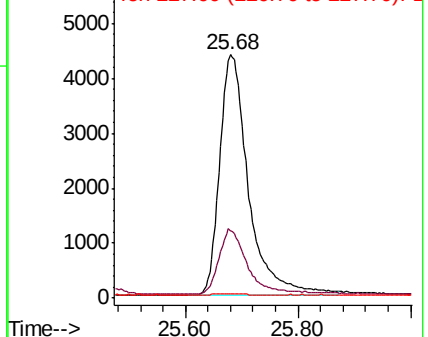
227 0.3 0.2 0.4

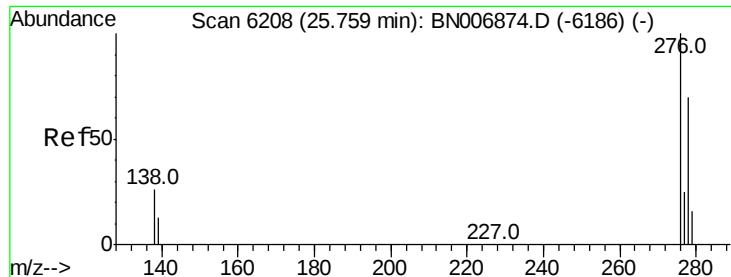


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.68 min Scan# 6184

Delta R.T. -0.02 min

Lab File: BN006906.D

Acq: 18 Jul 2019 23:39

Instrument :

BNA_N

ClientSampleId :

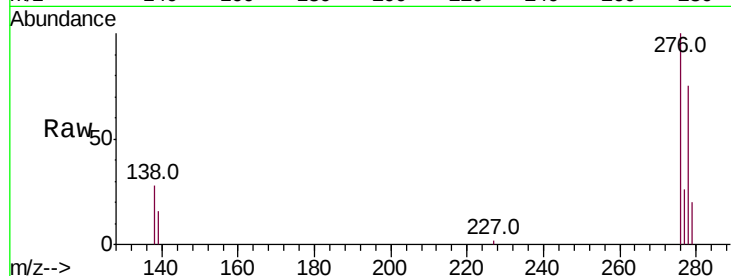
Tot Ion:278 Resp: 12199

Ion Ratio Lower Upper

278 100

139 20.8 18.1 27.1

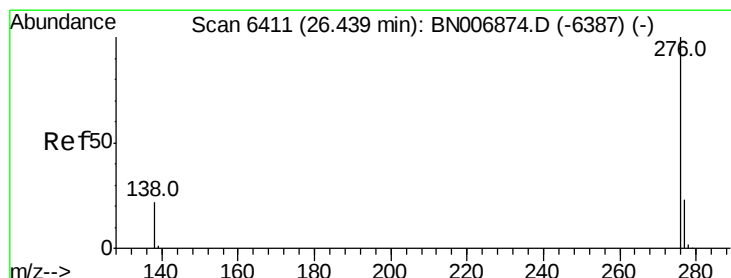
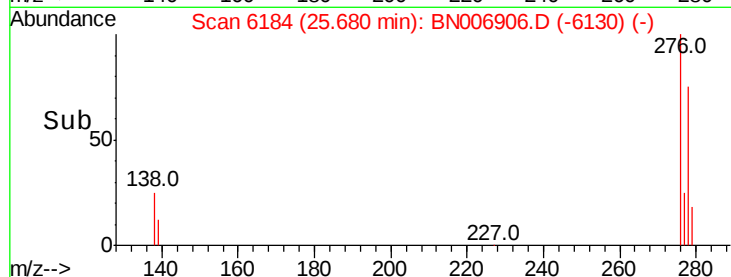
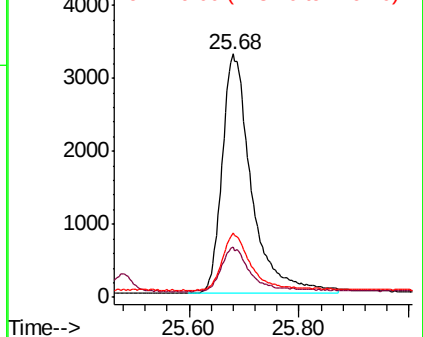
279 26.3 19.8 29.6



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: 0.445 ng/ul

RT: 26.36 min Scan# 6387

Delta R.T. -0.02 min

Lab File: BN006906.D

Acq: 18 Jul 2019 23:39

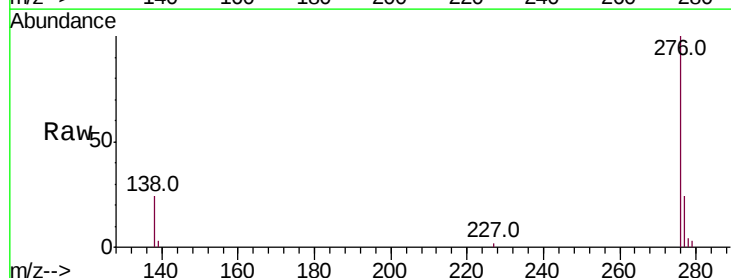
Tgt Ion:276 Resp: 13761

Ion Ratio Lower Upper

276 100

138 24.5 22.2 33.2

277 24.5 19.5 29.3



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

