

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062419\
 Data File : BN006551.D
 Acq On : 25 Jun 2019 02:50
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.432

Quant Time: Jun 25 04:10:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 25 01:51:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	4206	0.40	ng/ul	0.00
2) Naphthalene-d8	10.41	136	16460	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.28	164	8474	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	16458	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	8792	0.40	ng/ul	-0.01
20) Perylene-d12	23.48	264	8892	0.40	ng/ul	-0.02

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	10089	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	15991	0.36	ng/ul	0.00

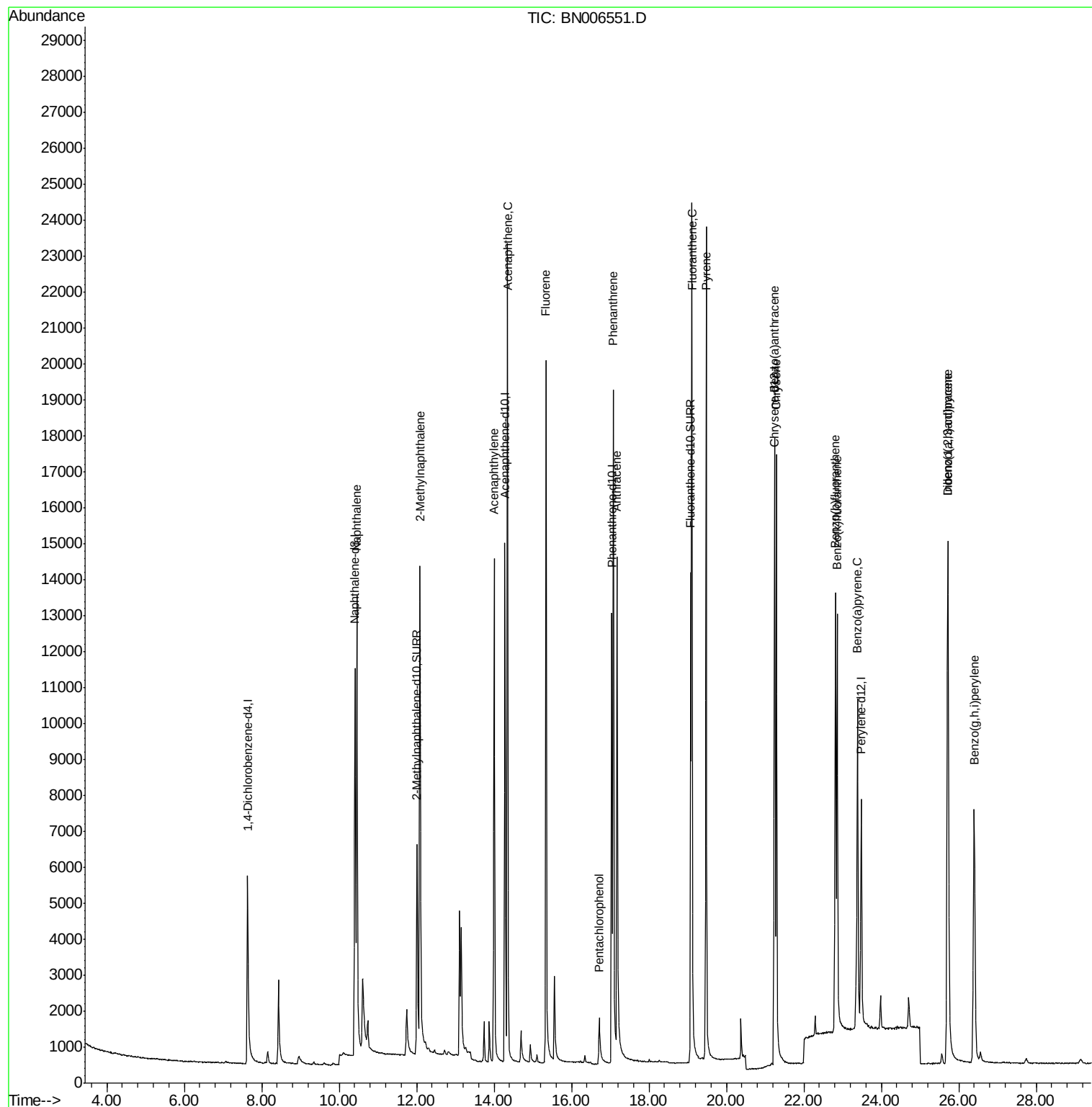
Target Compounds				Qvalue		
3) Naphthalene	10.46	128	19378	0.427	ng/ul	100
5) 2-Methylnaphthalene	12.08	142	12743	0.403	ng/ul	99
7) Acenaphthylene	14.00	152	17992	0.382	ng/ul	100
8) Acenaphthene	14.34	153	13805	0.422	ng/ul	99
9) Fluorene	15.34	166	14562	0.381	ng/ul	99
11) Pentachlorophenol	16.71	266	1813	0.434	ng/ul	97
12) Phenanthrene	17.08	178	21727	0.411	ng/ul	99
13) Anthracene	17.17	178	18538	0.367	ng/ul	99
15) Fluoranthene	19.11	202	21420	0.367	ng/ul	99
17) Pyrene	19.48	202	21383	0.462	ng/ul	98
18) Benzo(a)anthracene	21.24	228	14453	0.372	ng/ul	99
19) Chrysene	21.29	228	17043	0.467	ng/ul	99
21) Benzo(b)fluoranthene	22.81	252	15142	0.408	ng/ul	92
22) Benzo(k)fluoranthene	22.86	252	15985	0.443	ng/ul#	95
23) Benzo(a)pyrene	23.38	252	14909	0.432	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.71	276	17130	0.458	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.72	278	13381	0.448	ng/ul	93
26) Benzo(g,h,i)perylene	26.40	276	14908	0.476	ng/ul	95

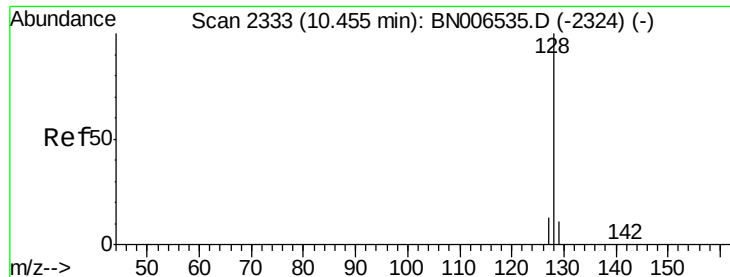
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.427 ng/ul

RT: 10.46 min Scan# 2333

Delta R.T. 0.00 min

Lab File: BN006551.D

Acq: 25 Jun 2019 02:50

Instrument :

BNA_N

ClientSampleId :

SSTD0.432

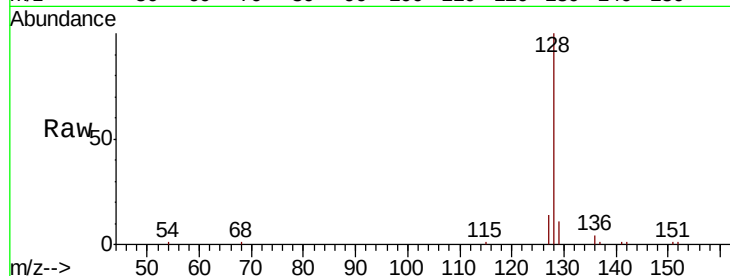
Tgt Ion:128 Resp: 19378

Ion Ratio Lower Upper

128 100

129 11.5 9.3 13.9

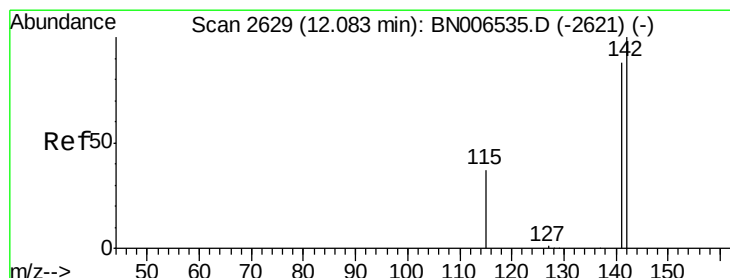
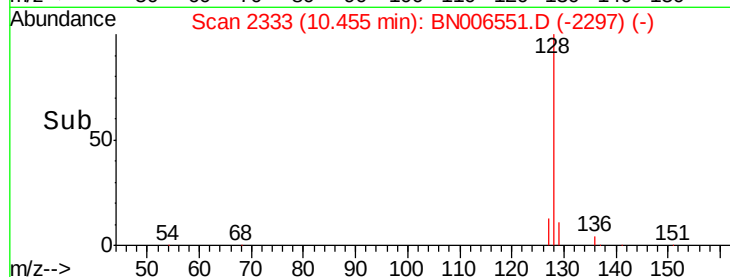
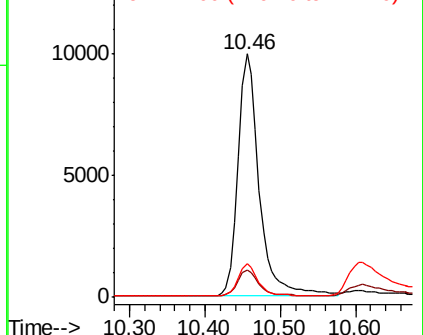
127 13.6 10.7 16.1



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: 0.403 ng/ul

RT: 12.08 min Scan# 2629

Delta R.T. 0.00 min

Lab File: BN006551.D

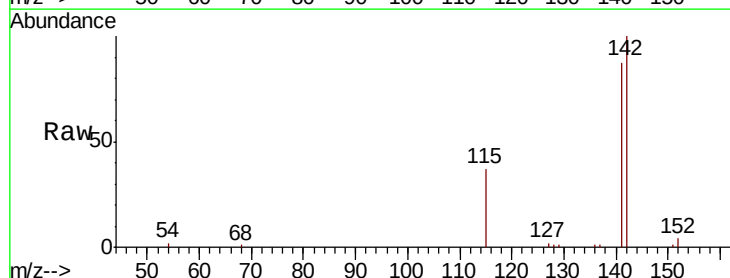
Acq: 25 Jun 2019 02:50

Tgt Ion:142 Resp: 12743

Ion Ratio Lower Upper

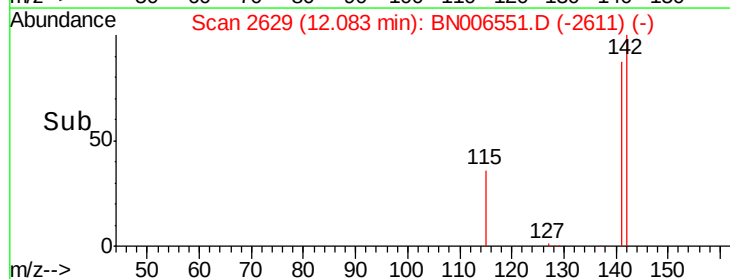
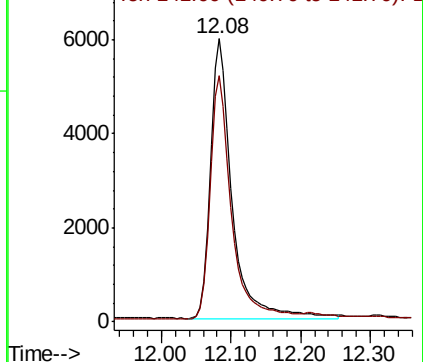
142 100

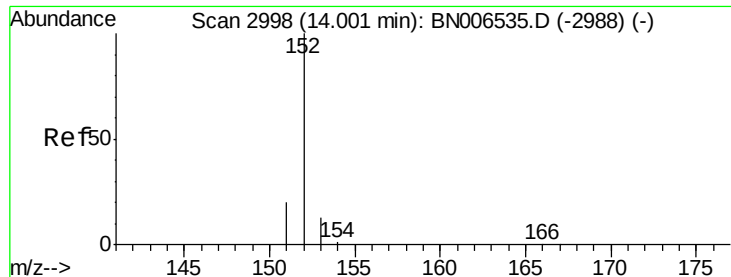
141 89.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.382 ng/ul

RT: 14.00 min Scan# 2998

Delta R.T. 0.00 min

Lab File: BN006551.D

Acq: 25 Jun 2019 02:50

Instrument :

BNA_N

ClientSampleId :

SSTD0.432

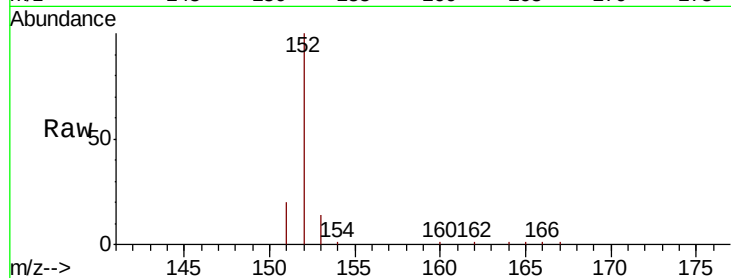
Tgt Ion:152 Resp: 17992

Ion Ratio Lower Upper

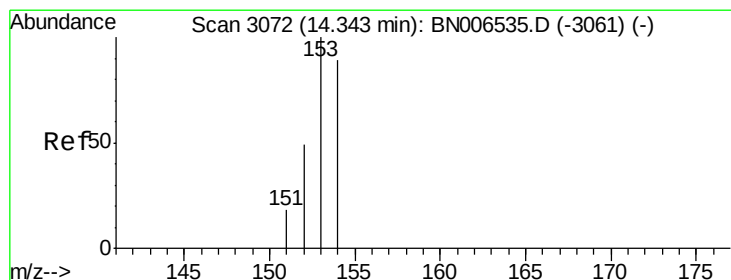
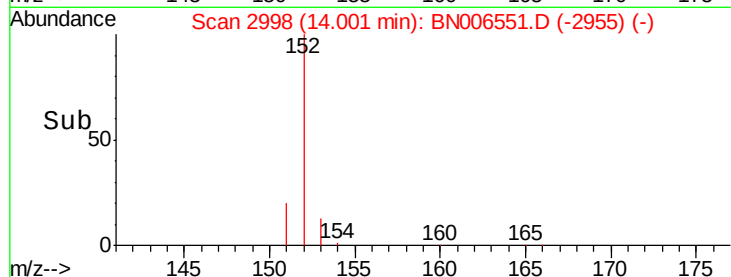
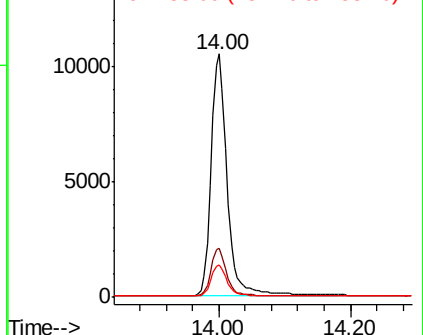
152 100

151 20.0 15.8 23.8

153 13.5 10.8 16.2



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: 0.422 ng/ul

RT: 14.34 min Scan# 3072

Delta R.T. 0.00 min

Lab File: BN006551.D

Acq: 25 Jun 2019 02:50

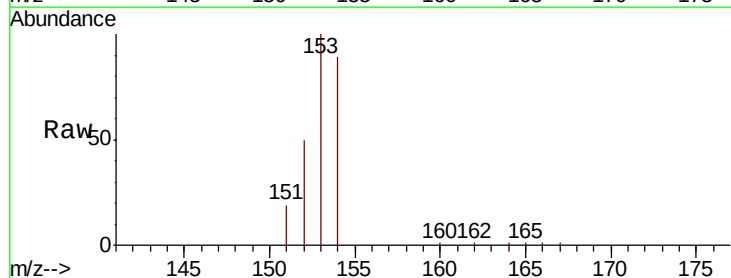
Tgt Ion:153 Resp: 13805

Ion Ratio Lower Upper

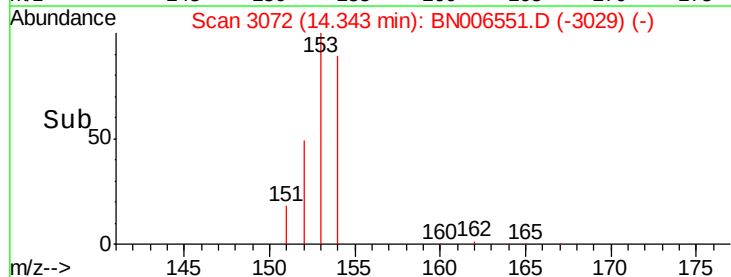
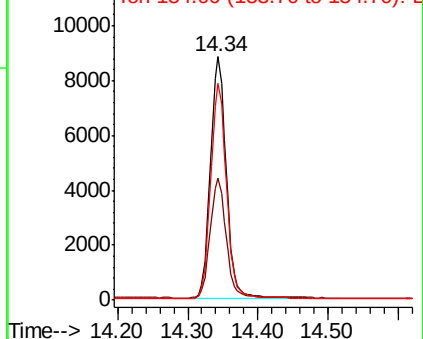
153 100

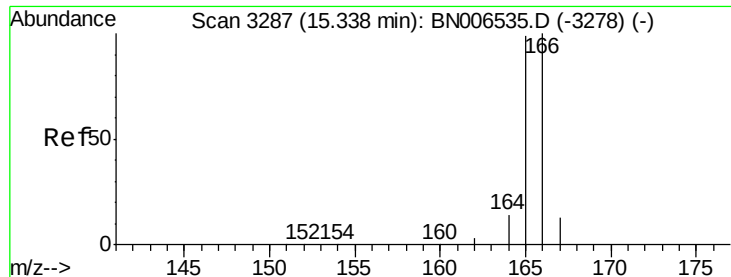
152 50.2 39.1 58.7

154 89.2 71.1 106.7



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: 0.381 ng/ul

RT: 15.34 min Scan# 3288

Delta R.T. 0.00 min

Lab File: BN006551.D

Acq: 25 Jun 2019 02:50

Instrument :

BNA_N

ClientSampleId :

SSTD0.432

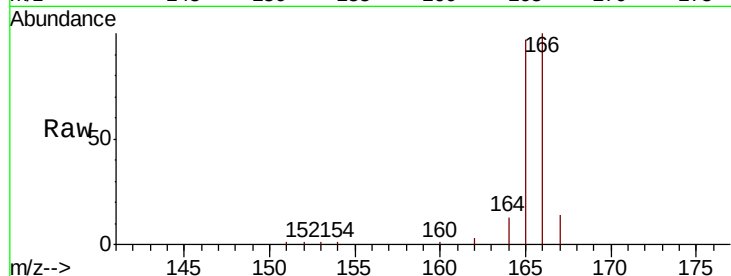
Tgt Ion:166 Resp: 14562

Ion Ratio Lower Upper

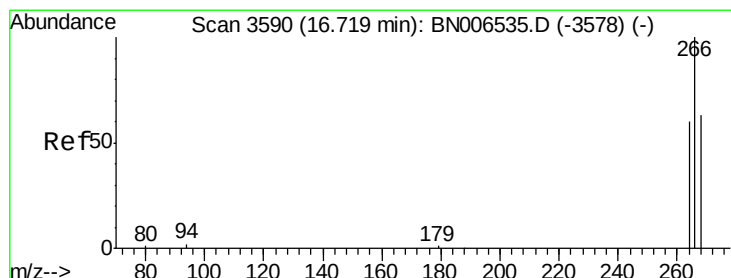
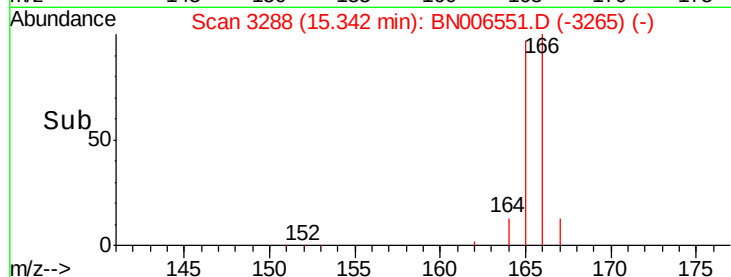
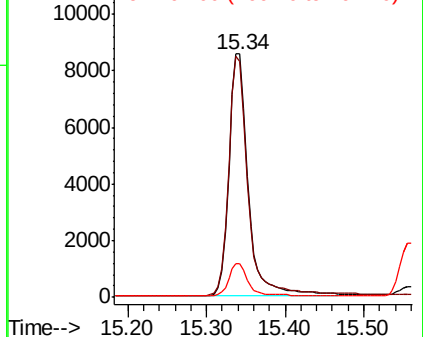
166 100

165 96.9 76.4 114.6

167 13.8 11.0 16.6



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: 0.434 ng/ul

RT: 16.71 min Scan# 3589

Delta R.T. -0.00 min

Lab File: BN006551.D

Acq: 25 Jun 2019 02:50

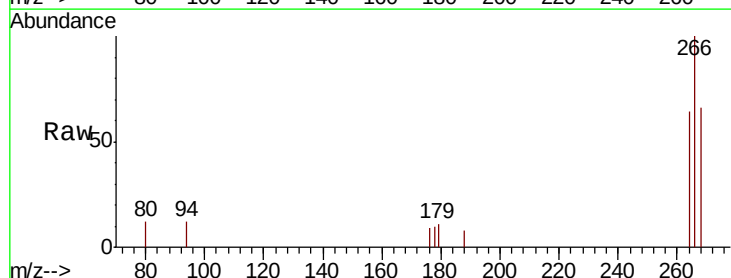
Tgt Ion:266 Resp: 1813

Ion Ratio Lower Upper

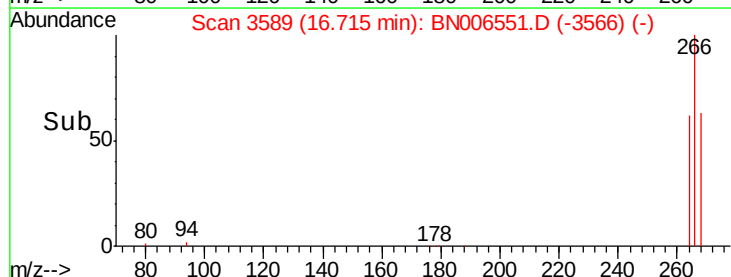
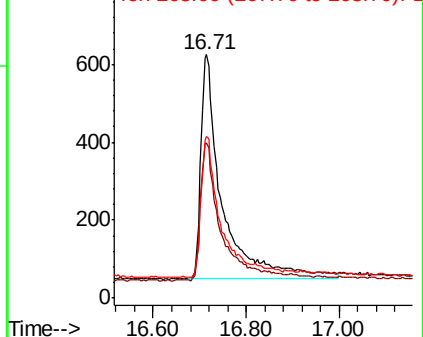
266 100

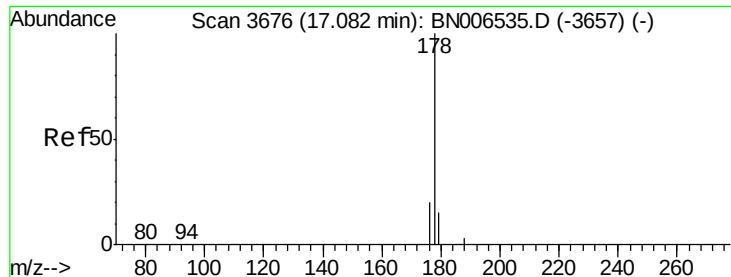
264 62.6 50.3 75.5

268 59.9 51.3 76.9



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: 17.08 min Scan# 3675

Delta R.T. -0.00 min

Lab File: BN006551.D

Acq: 25 Jun 2019 02:50

Instrument :

BNA_N

ClientSampleId :

SSTD0.432

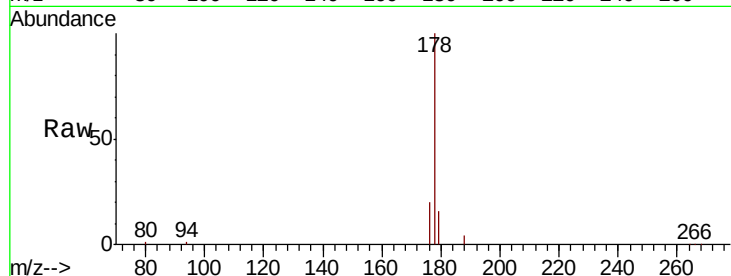
Tgt Ion:178 Resp: 21727

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

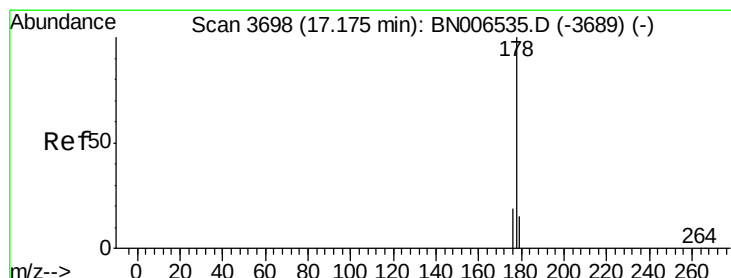
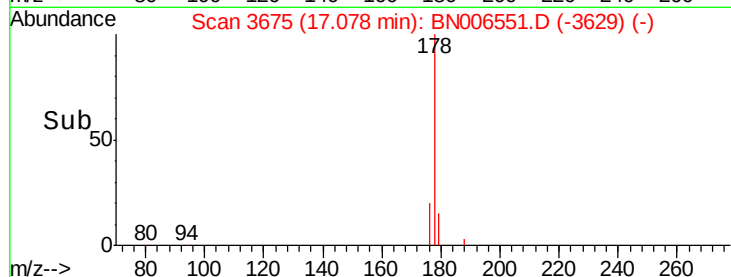
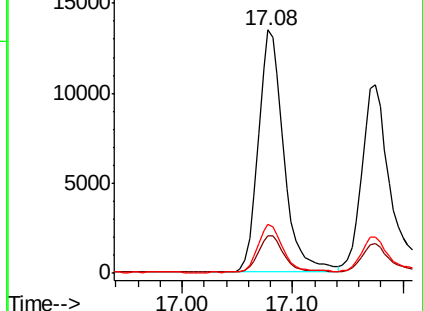
176 20.1 15.3 22.9



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: 0.367 ng/ul

RT: 17.17 min Scan# 3698

Delta R.T. 0.00 min

Lab File: BN006551.D

Acq: 25 Jun 2019 02:50

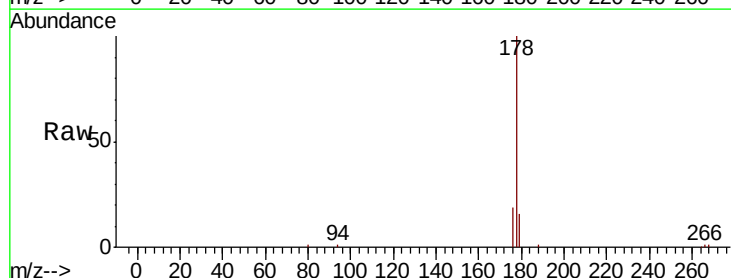
Tgt Ion:178 Resp: 18538

Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.4

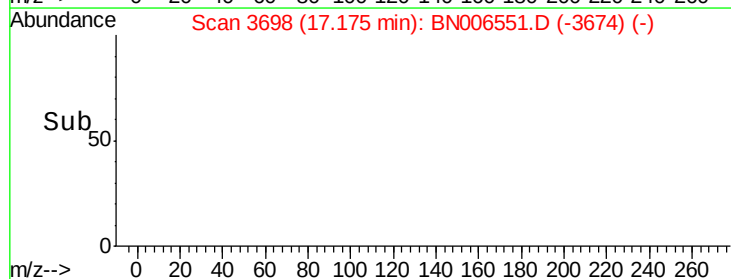
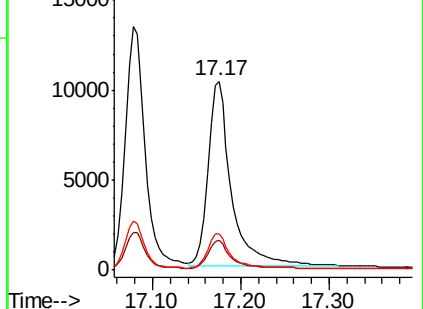
176 19.2 15.1 22.7

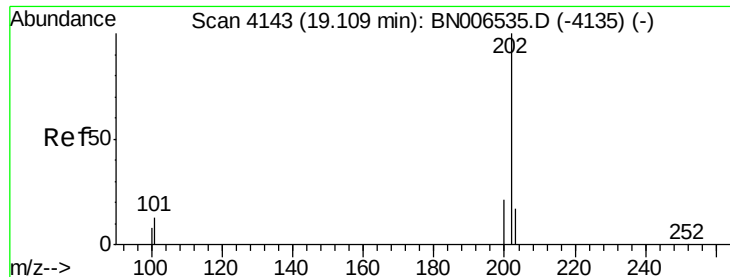


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.367 ng/ul

RT: 19.11 min Scan# 4143

Delta R.T. 0.00 min

Lab File: BN006551.D

Acq: 25 Jun 2019 02:50

Instrument :

BNA_N

ClientSampleId :

SSTD0.432

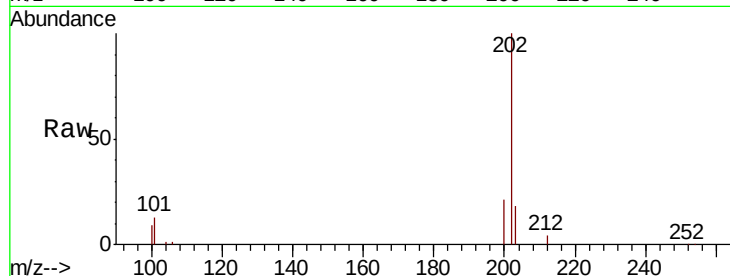
Tgt Ion:202 Resp: 21420

Ion Ratio Lower Upper

202 100

101 12.7 0.0 32.1

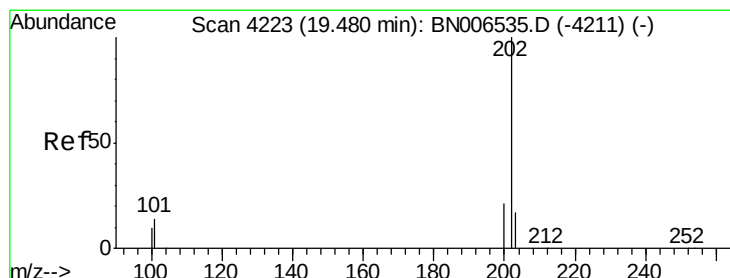
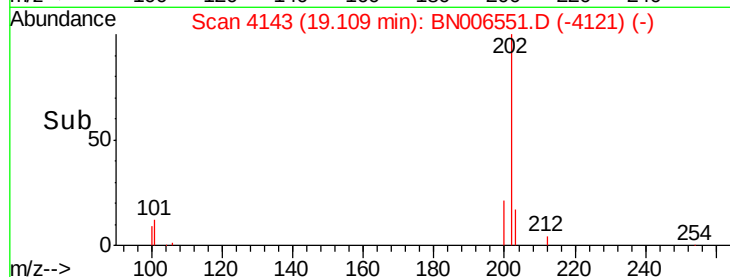
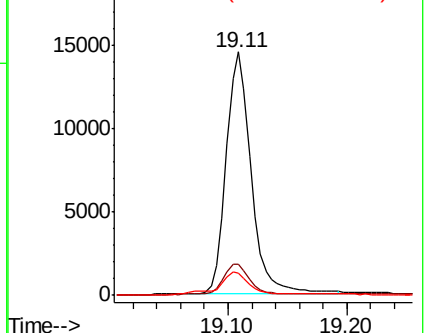
100 9.2 0.0 28.7



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: 0.462 ng/ul

RT: 19.48 min Scan# 4222

Delta R.T. -0.00 min

Lab File: BN006551.D

Acq: 25 Jun 2019 02:50

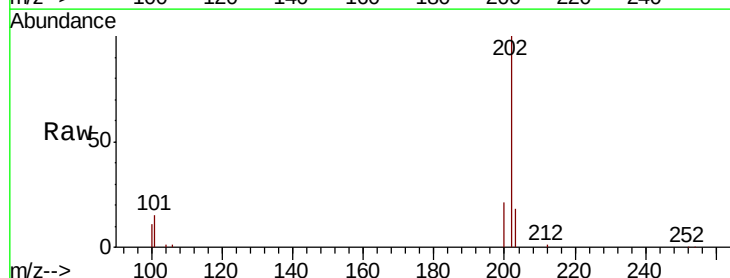
Tgt Ion:202 Resp: 21383

Ion Ratio Lower Upper

202 100

101 14.9 12.2 18.2

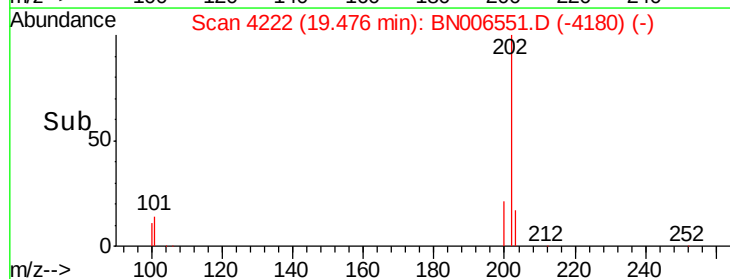
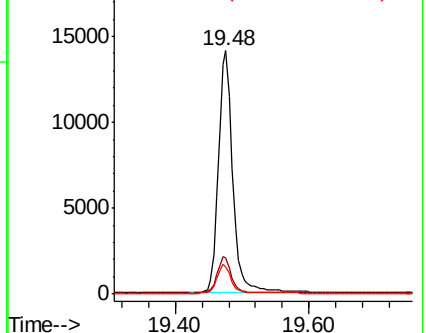
100 11.2 9.8 14.6

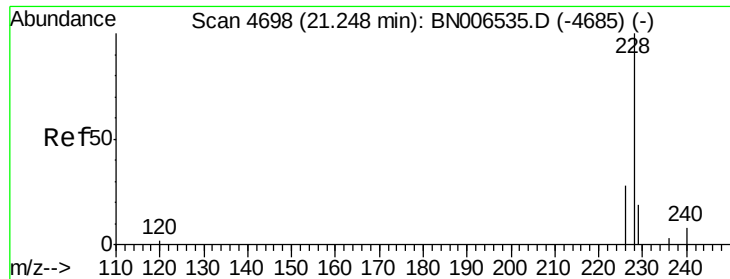


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.372 ng/ul

RT: 21.24 min Scan# 4694

Delta R.T. -0.01 min

Lab File: BN006551.D

Acq: 25 Jun 2019 02:50

Instrument :

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SSTD0.432

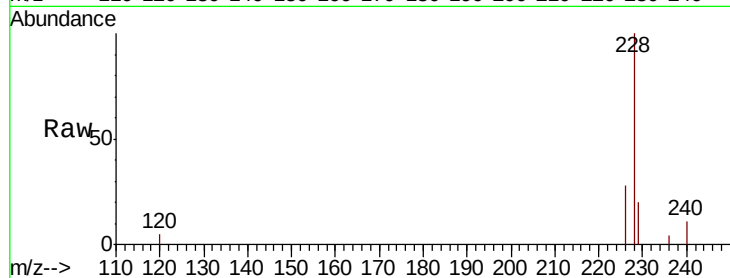
Tgt Ion:228 Resp: 14453

Ion Ratio Lower Upper

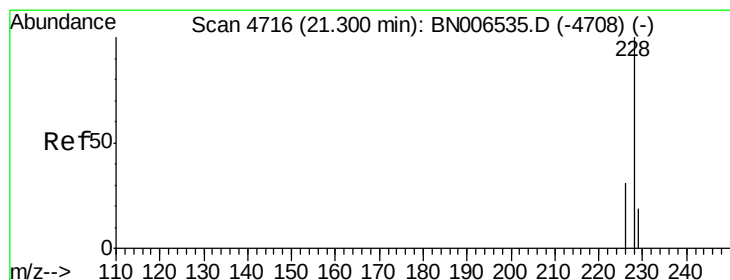
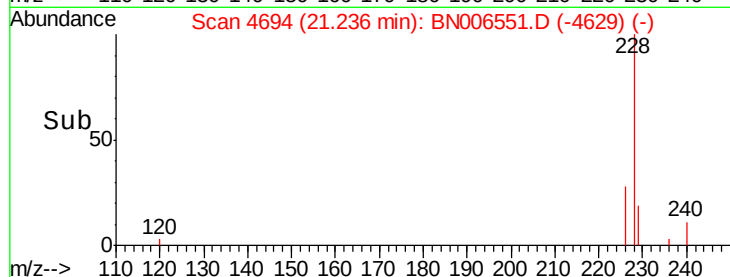
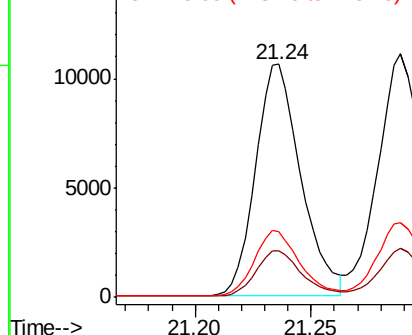
228 100

229 19.8 16.5 24.7

226 28.2 22.8 34.2



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: 0.467 ng/ul

RT: 21.29 min Scan# 4712

Delta R.T. -0.01 min

Lab File: BN006551.D

Acq: 25 Jun 2019 02:50

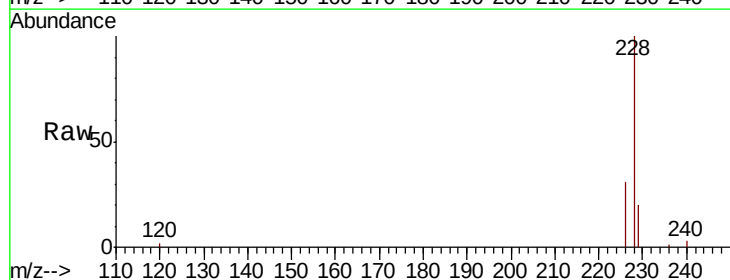
Tgt Ion:228 Resp: 17043

Ion Ratio Lower Upper

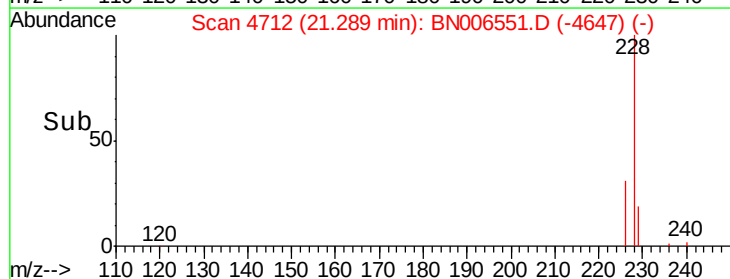
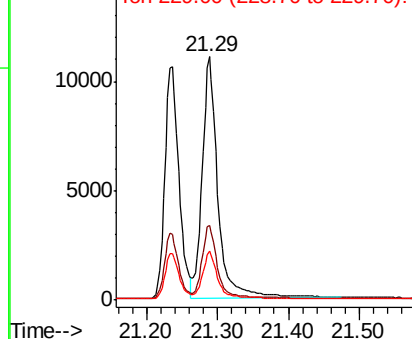
228 100

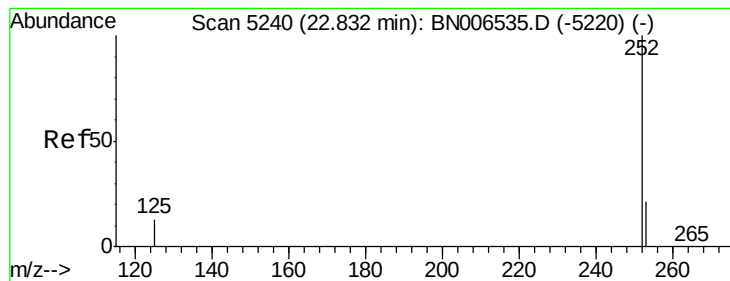
226 30.9 25.0 37.6

229 19.9 16.3 24.5



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: 0.408 ng/ul

RT: 22.81 min Scan# 5233

Delta R.T. -0.02 min

Lab File: BN006551.D

Acq: 25 Jun 2019 02:50

Instrument :

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SSTD0.432

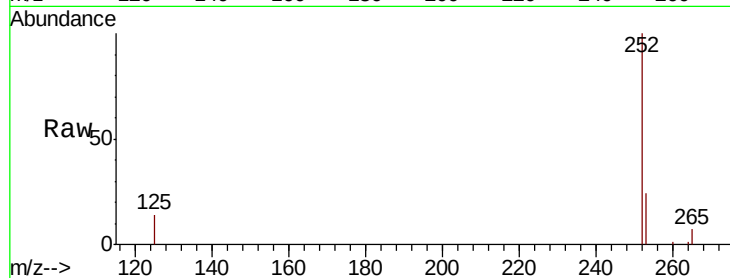
Tgt Ion:252 Resp: 15142

Ion Ratio Lower Upper

252 100

253 24.1 0.0 51.4

125 14.0 0.0 41.0

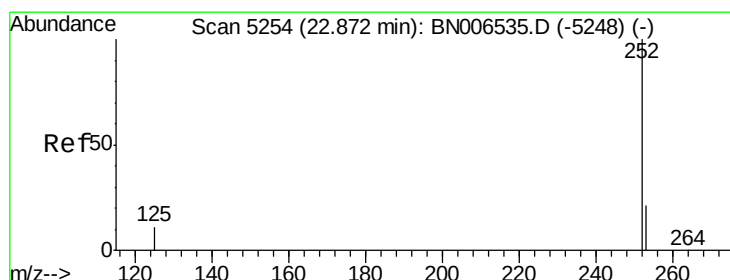
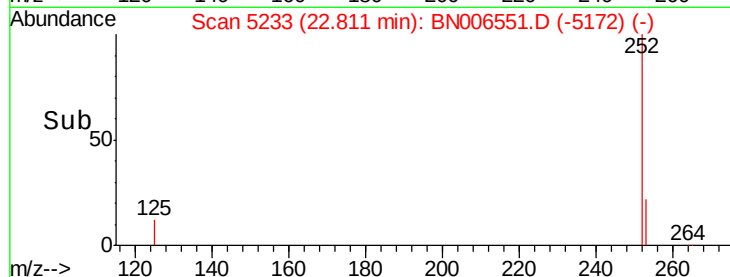
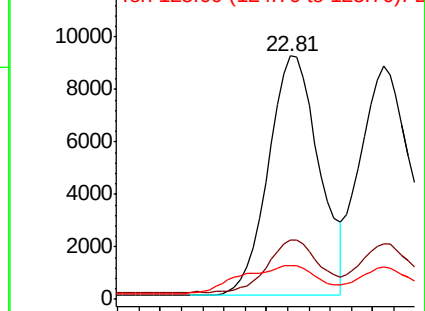


Abundance

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



#22

Benzo(k)fluoranthene

Concen: 0.443 ng/ul

RT: 22.86 min Scan# 5248

Delta R.T. -0.02 min

Lab File: BN006551.D

Acq: 25 Jun 2019 02:50

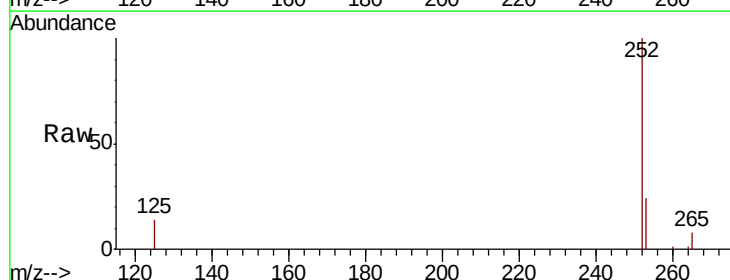
Tgt Ion:252 Resp: 15985

Ion Ratio Lower Upper

252 100

253 24.0 20.3 30.5

125 13.9 14.3 21.5#

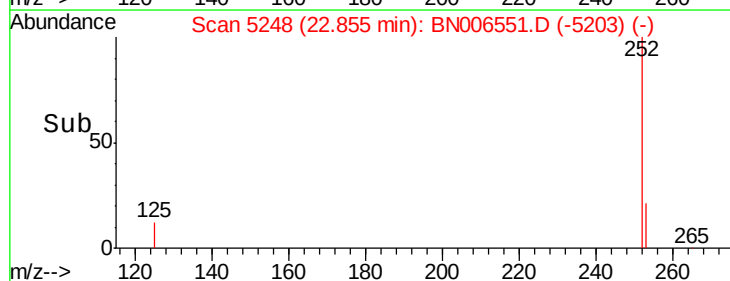
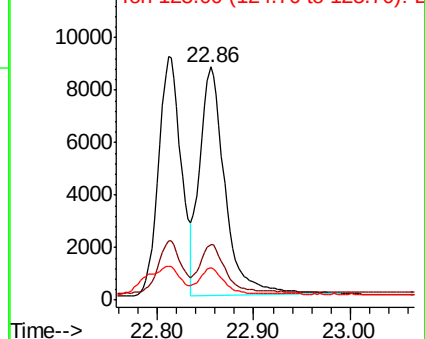


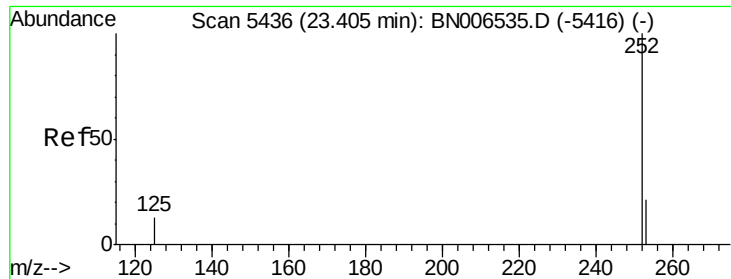
Abundance

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: 0.432 ng/ul

RT: 23.38 min Scan# 5428

Delta R.T. -0.02 min

Lab File: BN006551.D

Acq: 25 Jun 2019 02:50

Instrument :

BNA_N

ClientSampleId :

SSTD0.432

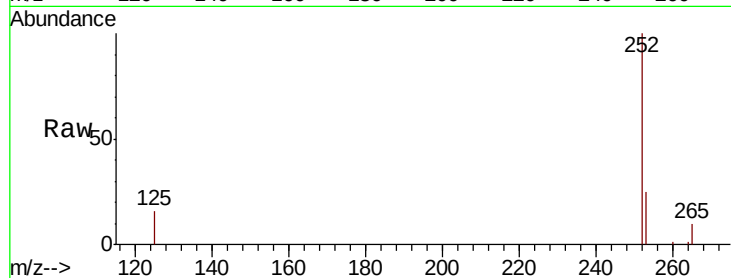
Tgt Ion:252 Resp: 14909

Ion Ratio Lower Upper

252 100

253 25.4 21.1 31.7

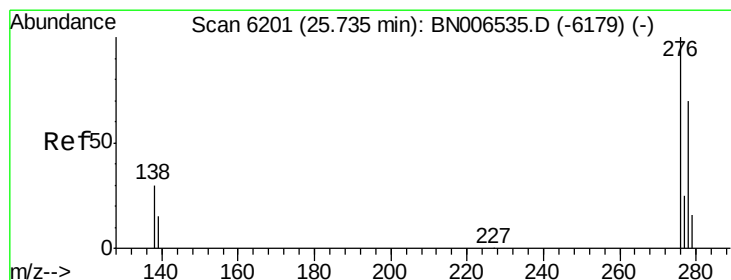
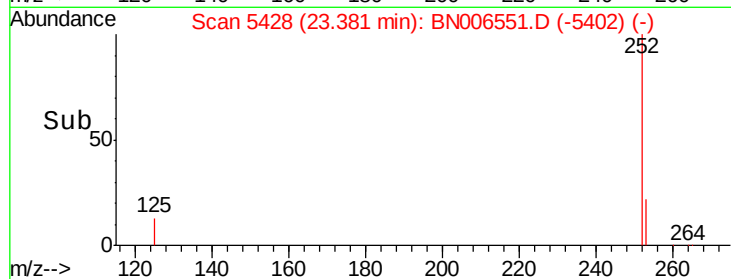
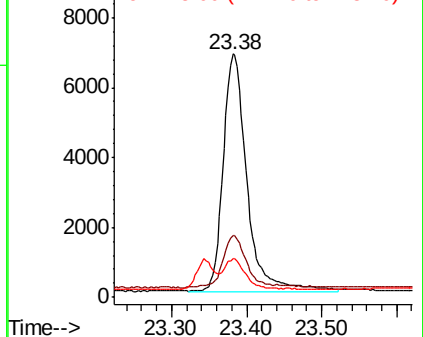
125 15.8 20.3 30.5#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.458 ng/ul

RT: 25.71 min Scan# 6195

Delta R.T. -0.02 min

Lab File: BN006551.D

Acq: 25 Jun 2019 02:50

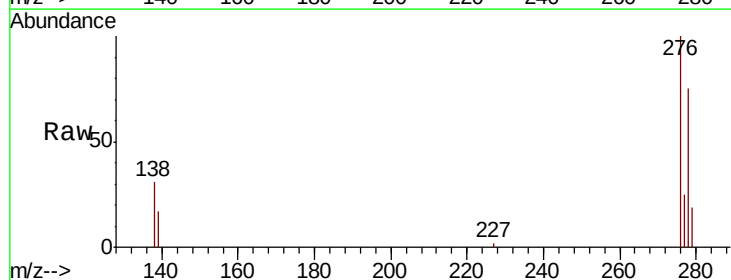
Tgt Ion:276 Resp: 17130

Ion Ratio Lower Upper

276 100

138 29.8 25.6 38.4

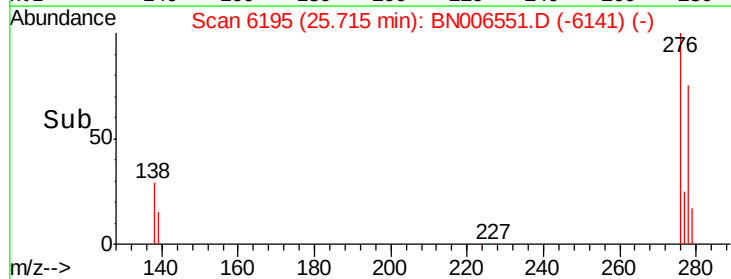
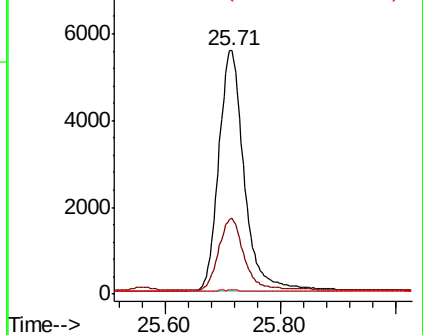
227 0.3 0.3 0.5#

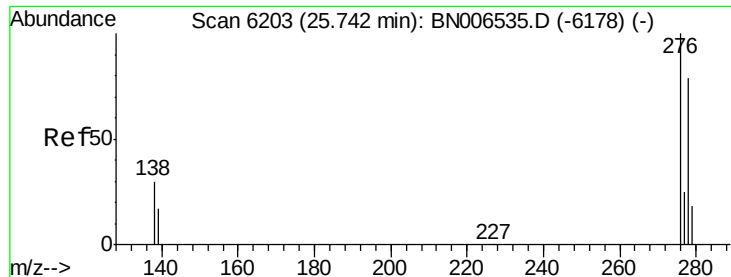


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.448 ng/ul

RT: 25.72 min Scan# 6196

Delta R.T. -0.02 min

Lab File: BN006551.D

Acq: 25 Jun 2019 02:50

Instrument :

BNA_N

ClientSampleId :

SSTD0.432

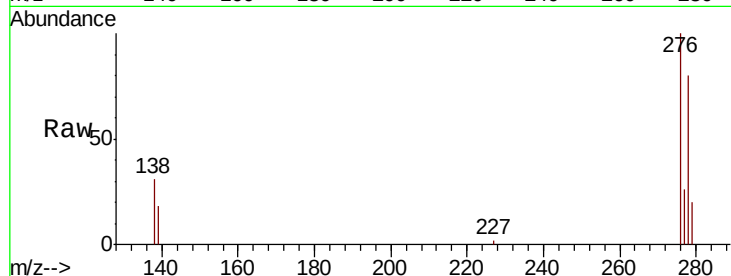
Tgt Ion:278 Resp: 13381

Ion Ratio Lower Upper

278 100

139 22.9 21.2 31.8

279 24.8 22.6 33.8

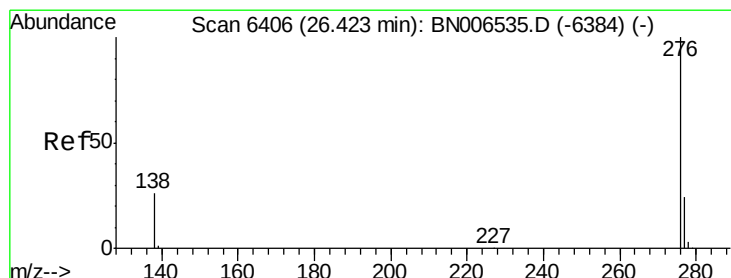
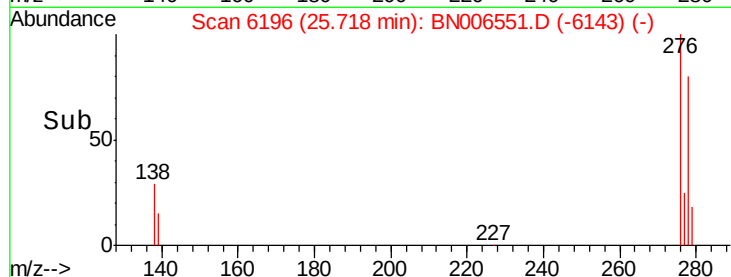
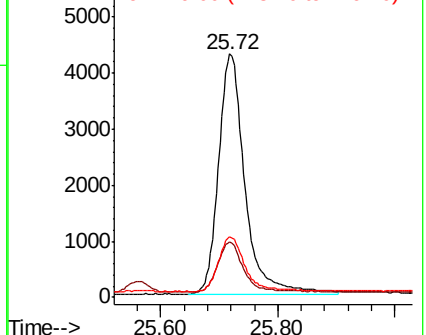


Abundance

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: 0.476 ng/ul

RT: 26.40 min Scan# 6398

Delta R.T. -0.03 min

Lab File: BN006551.D

Acq: 25 Jun 2019 02:50

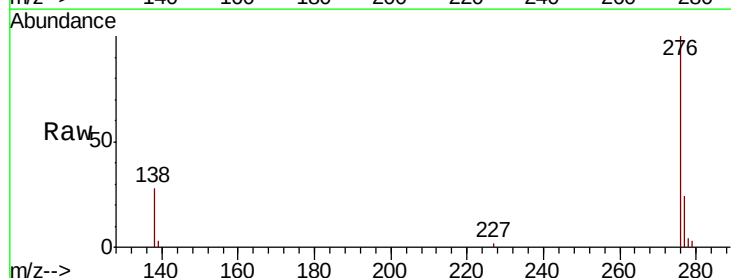
Tgt Ion:276 Resp: 14908

Ion Ratio Lower Upper

276 100

138 28.1 24.2 36.4

277 24.1 21.5 32.3



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

