

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071919\
 Data File : BN006939.D
 Acq On : 19 Jul 2019 23:54
 Operator : HP/JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 20 00:27:53 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 19 23:29:55 2019
 Response via : Initial Calibration

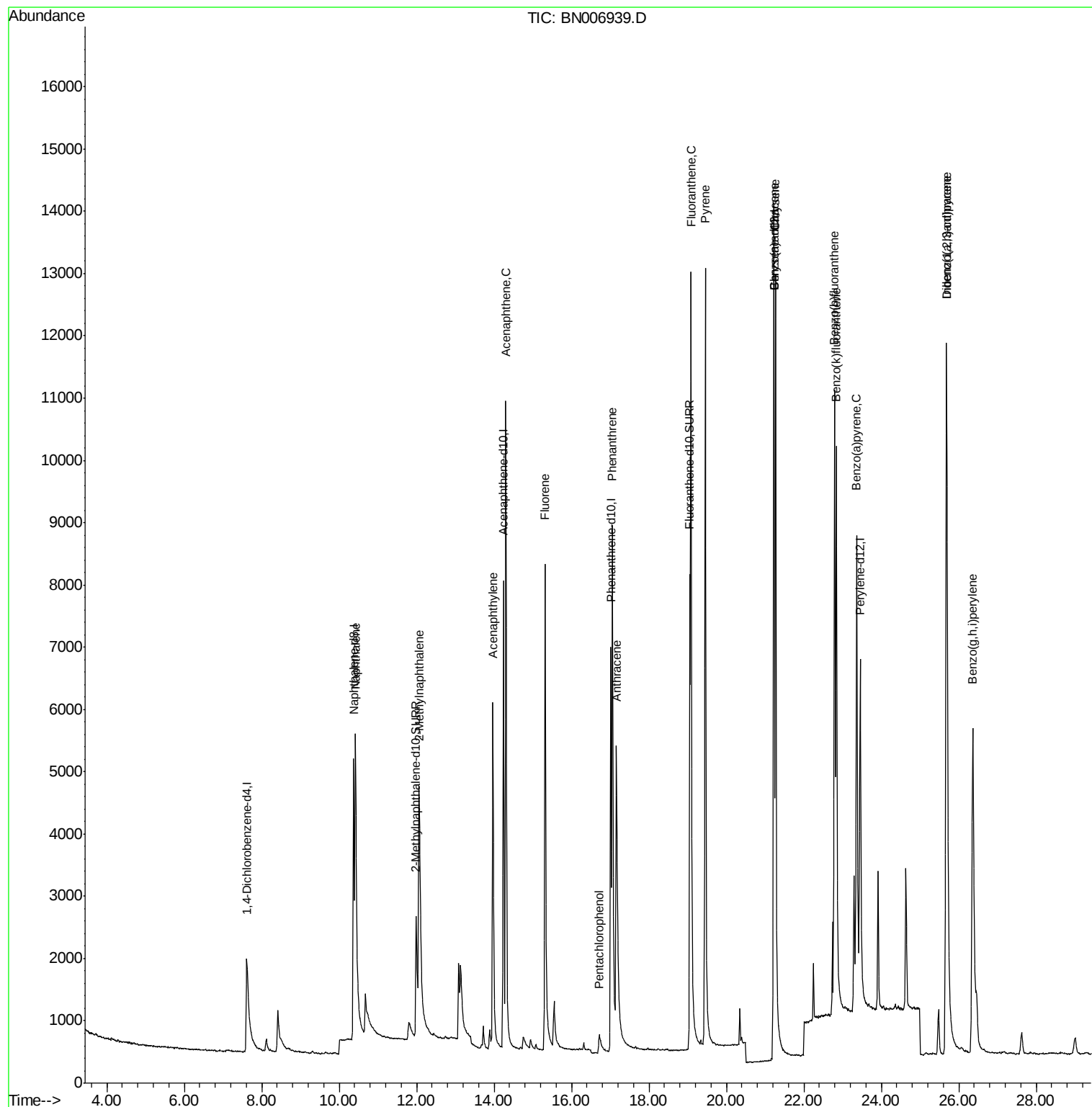
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	2404	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	9397	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	4862	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	10292	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	7977	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	8943	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	5343	0.37	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	10854	0.36	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	10666	0.395	ng/ul	98
5) 2-Methylnaphthalene	12.07	142	6517	0.358	ng/ul	99
7) Acenaphthylene	13.97	152	9146	0.364	ng/ul	98
8) Acenaphthene	14.31	153	7492	0.387	ng/ul	98
9) Fluorene	15.31	166	7684	0.362	ng/ul	99
11) Pentachlorophenol	16.72	266	699	0.456	ng/ul	95
12) Phenanthrene	17.05	178	12239	0.370	ng/ul	98
13) Anthracene	17.16	178	9553	0.334	ng/ul	98
15) Fluoranthene	19.09	202	14083	0.344	ng/ul	98
17) Pyrene	19.45	202	14935	0.410	ng/ul	98
18) Benzo(a)anthracene	21.22	228	11233	0.343	ng/ul	100
19) Chrysene	21.27	228	15418	0.422	ng/ul	99
21) Benzo(b)fluoranthene	22.79	252	13636	0.372	ng/ul	97
22) Benzo(k)fluoranthene	22.83	252	15222	0.397	ng/ul	98
23) Benzo(a)pyrene	23.36	252	13894	0.387	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.68	276	15796	0.435	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.68	278	12358	0.428	ng/ul	98
26) Benzo(g,h,i)perylene	26.36	276	13895	0.457	ng/ul	98

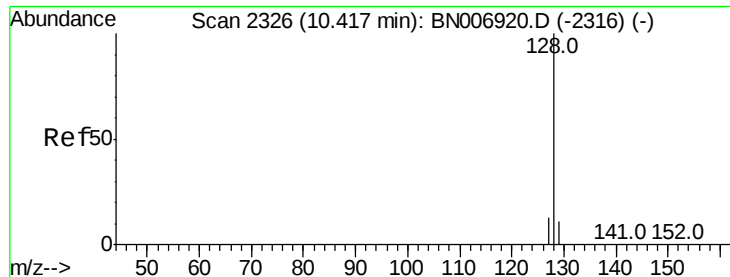
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.395 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. 0.00 min

Lab File: BN006939.D

Acq: 19 Jul 2019 23:54

Instrument :

BNA_N

ClientSampleId :

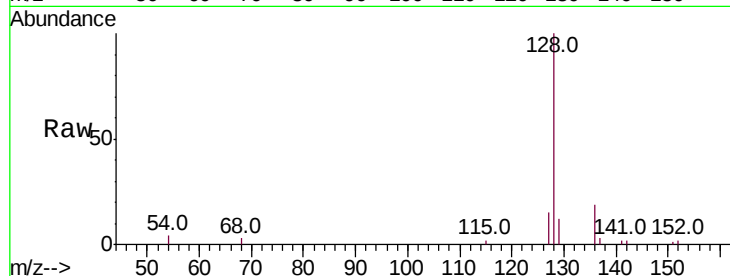
Tot Ion:128 Resp: 10666

Ion Ratio Lower Upper

128 100

129 12.4 9.4 14.0

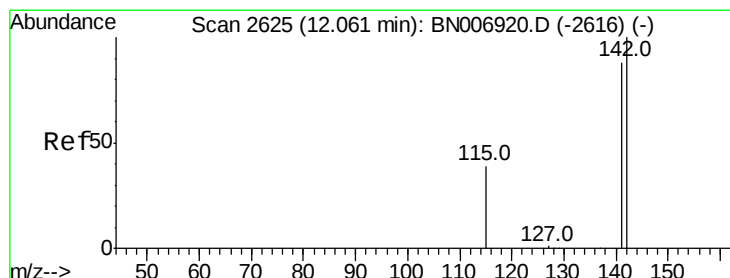
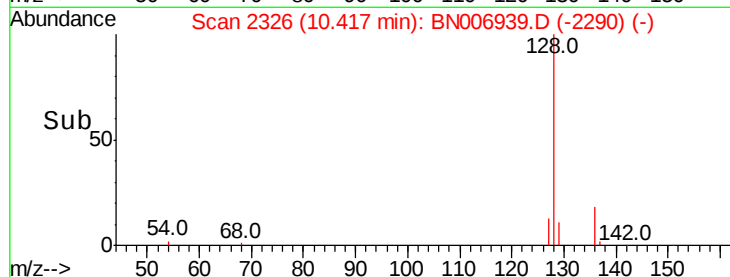
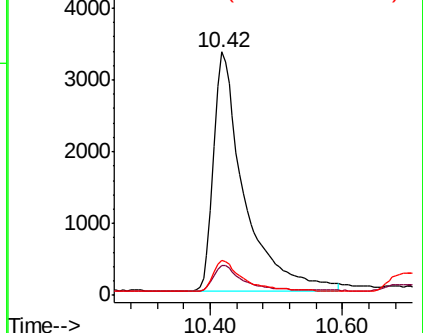
127 14.5 10.6 16.0



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: 0.358 ng/ul

RT: 12.07 min Scan# 2626

Delta R.T. 0.01 min

Lab File: BN006939.D

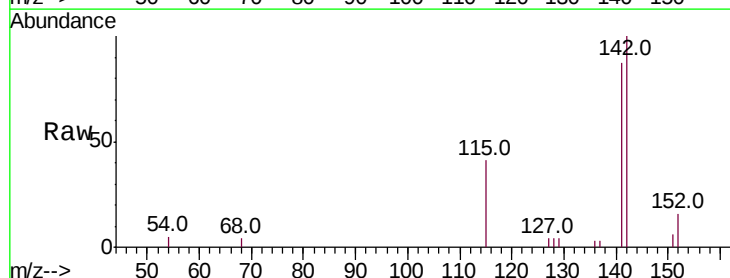
Acq: 19 Jul 2019 23:54

Tgt Ion:142 Resp: 6517

Ion Ratio Lower Upper

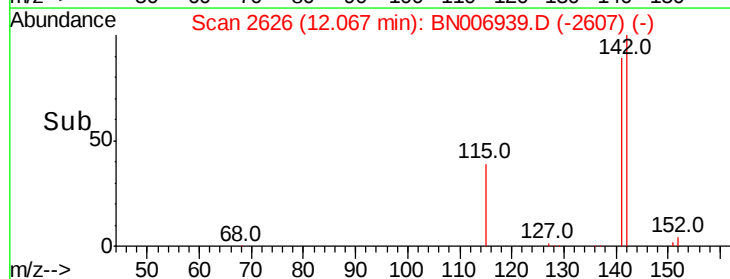
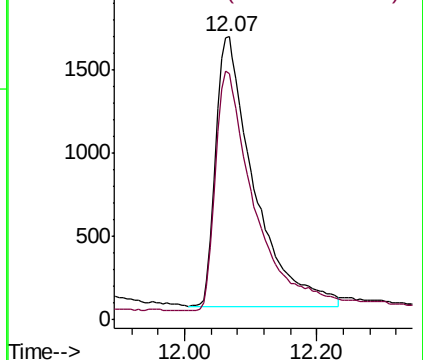
142 100

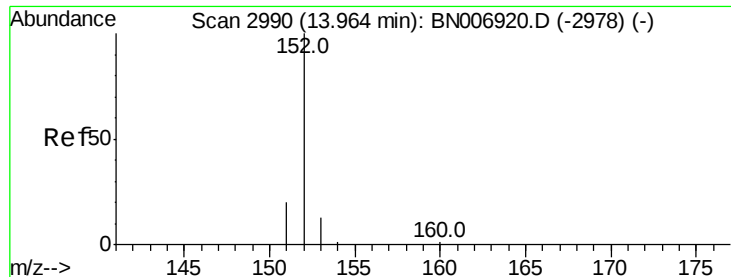
141 91.1 71.8 107.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.364 ng/ul

RT: 13.97 min Scan# 2991

Delta R.T. 0.00 min

Lab File: BN006939.D

Acq: 19 Jul 2019 23:54

Instrument :

BNA_N

ClientSampleId :

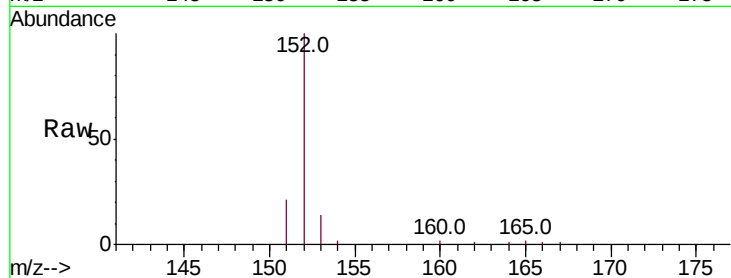
Tot Ion:152 Resp: 9146

Ion Ratio Lower Upper

152 100

151 21.1 16.1 24.1

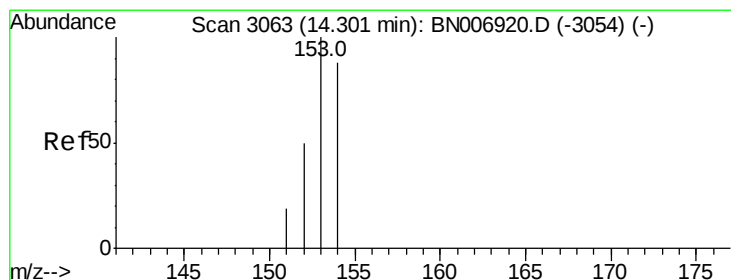
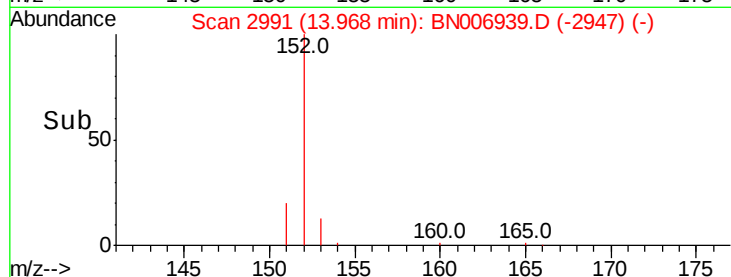
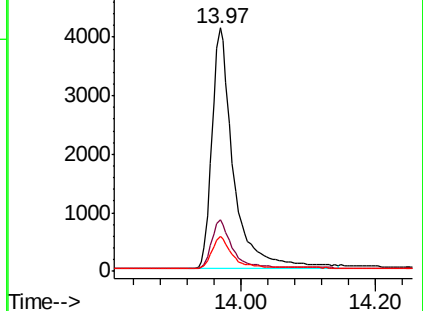
153 14.3 11.2 16.8



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: 0.387 ng/ul

RT: 14.31 min Scan# 3064

Delta R.T. 0.00 min

Lab File: BN006939.D

Acq: 19 Jul 2019 23:54

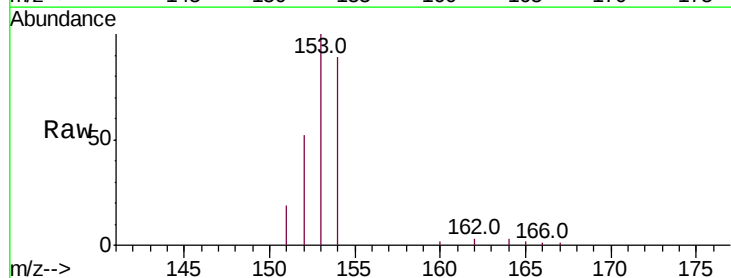
Tgt Ion:153 Resp: 7492

Ion Ratio Lower Upper

153 100

152 51.6 39.3 58.9

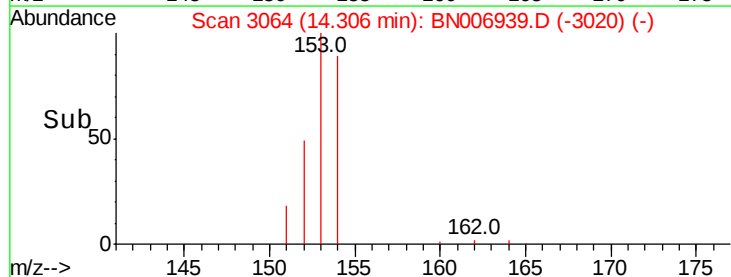
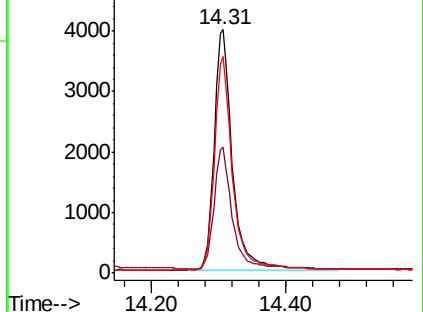
154 89.1 70.6 105.8

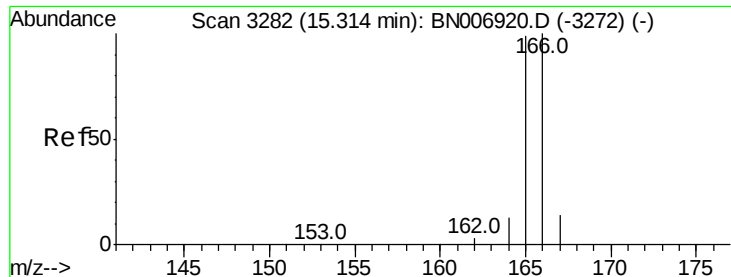


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.362 ng/ul

RT: 15.31 min Scan# 3282

Delta R.T. 0.00 min

Lab File: BN006939.D

Acq: 19 Jul 2019 23:54

Instrument :

BNA_N

ClientSampleId :

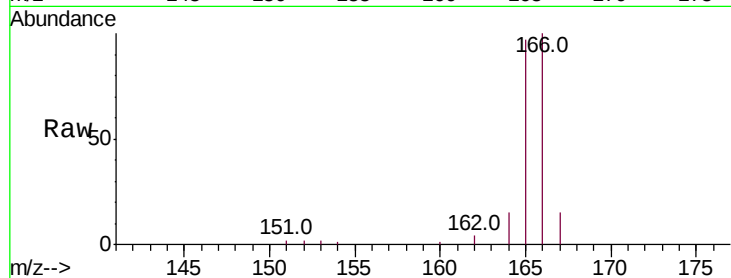
Tot Ion:166 Resp: 7684

Ion Ratio Lower Upper

166 100

165 97.4 78.2 117.4

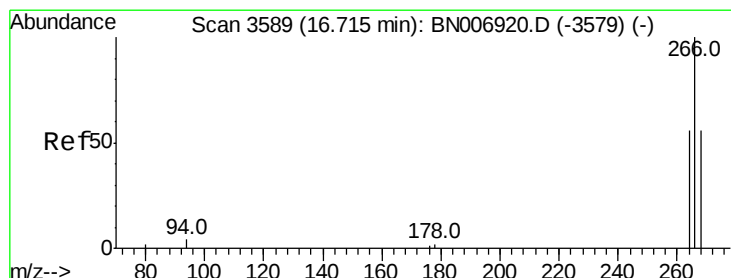
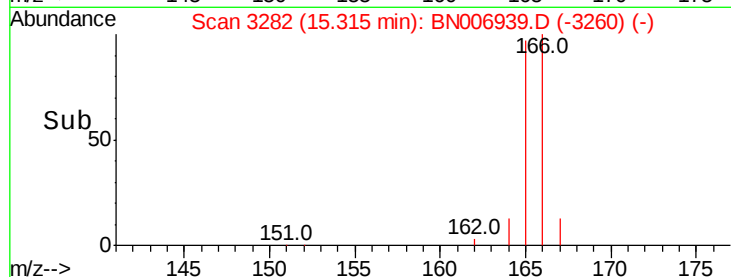
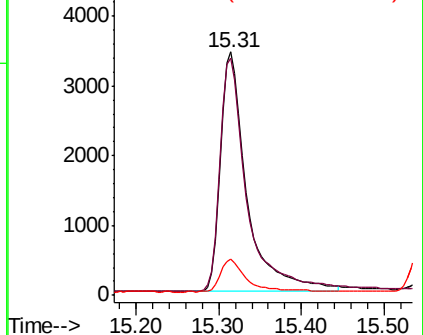
167 14.7 11.3 16.9



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: 0.456 ng/ul

RT: 16.72 min Scan# 3590

Delta R.T. 0.00 min

Lab File: BN006939.D

Acq: 19 Jul 2019 23:54

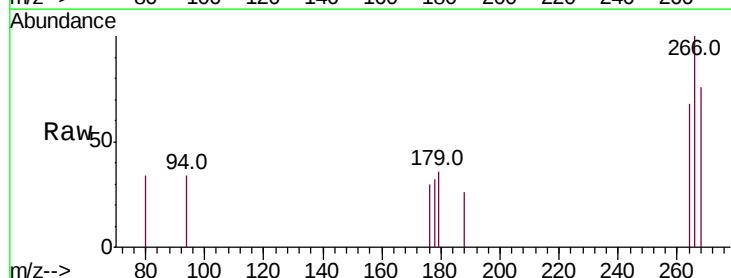
Tgt Ion:266 Resp: 699

Ion Ratio Lower Upper

266 100

264 58.2 45.9 68.9

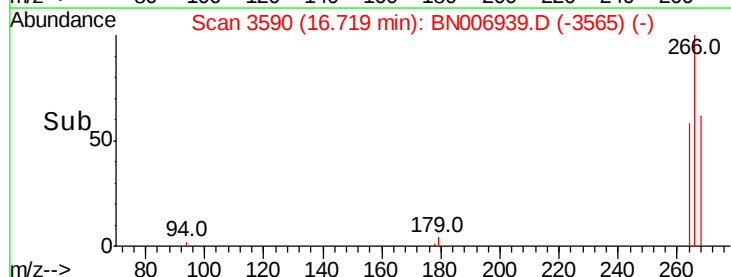
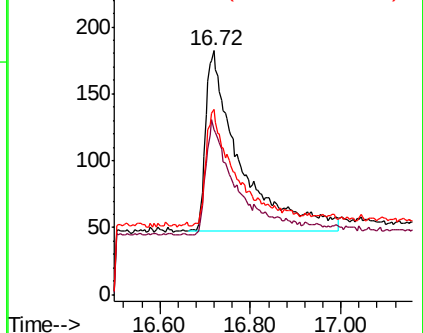
268 66.5 48.1 72.1

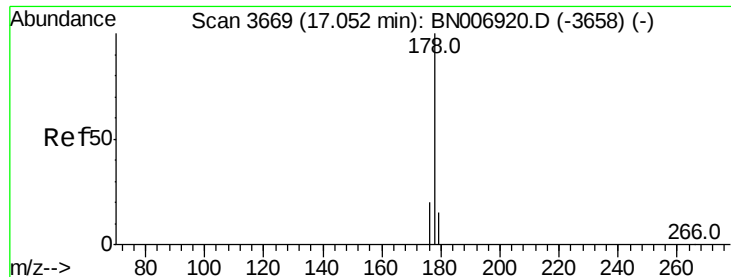


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.370 ng/ul

RT: 17.05 min Scan# 3669

Delta R.T. 0.00 min

Lab File: BN006939.D

Acq: 19 Jul 2019 23:54

Instrument :

BNA_N

ClientSampleId :

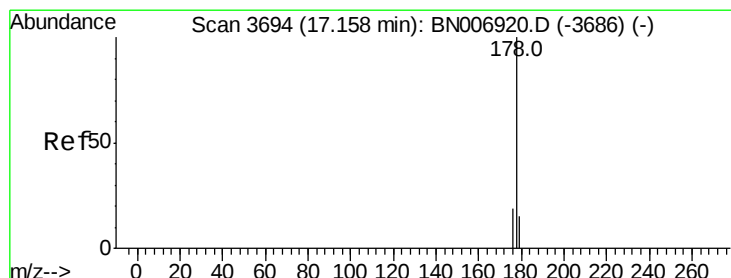
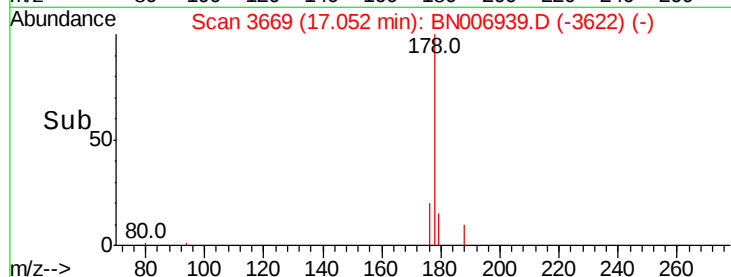
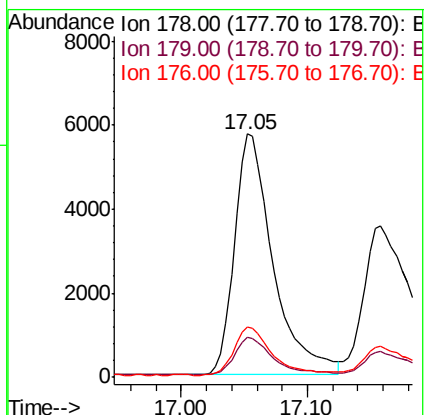
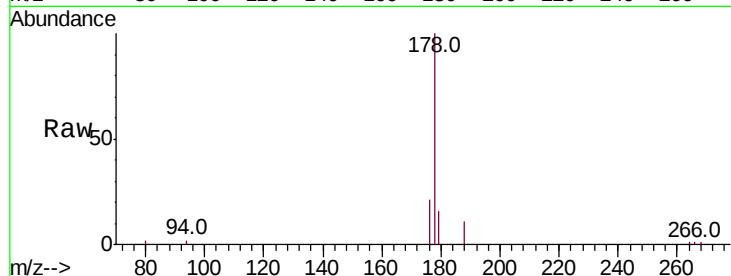
Tot Ion:178 Resp: 12239

Ion Ratio Lower Upper

178 100

179 16.3 12.6 19.0

176 20.6 15.8 23.8



#13

Anthracene

Concen: 0.334 ng/ul

RT: 17.16 min Scan# 3694

Delta R.T. 0.00 min

Lab File: BN006939.D

Acq: 19 Jul 2019 23:54

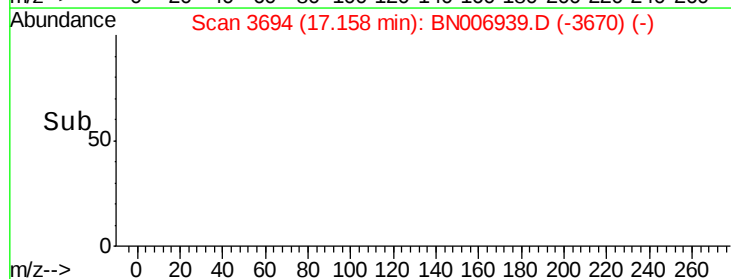
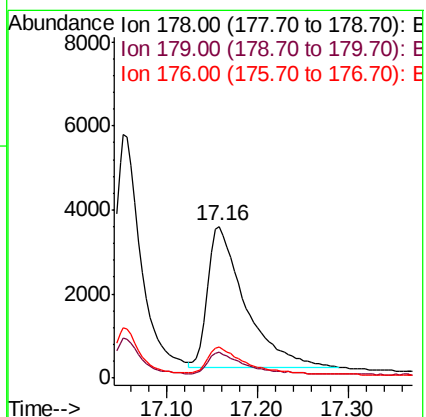
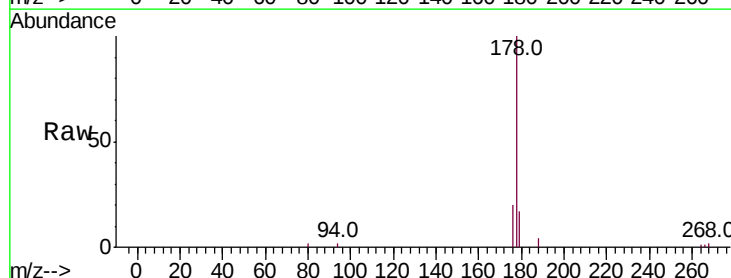
Tgt Ion:178 Resp: 9553

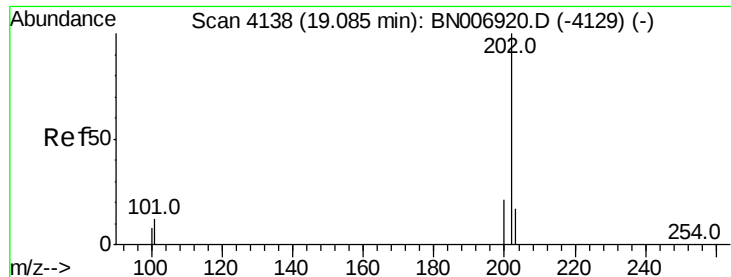
Ion Ratio Lower Upper

178 100

179 17.2 12.7 19.1

176 20.3 15.8 23.6

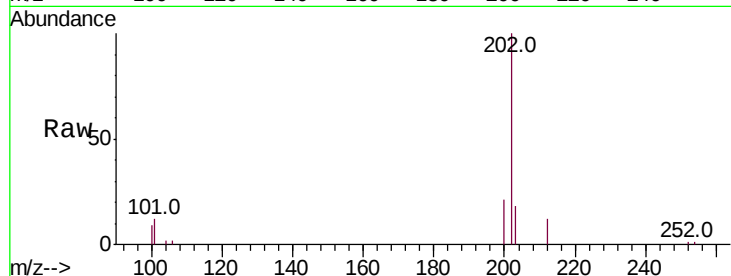




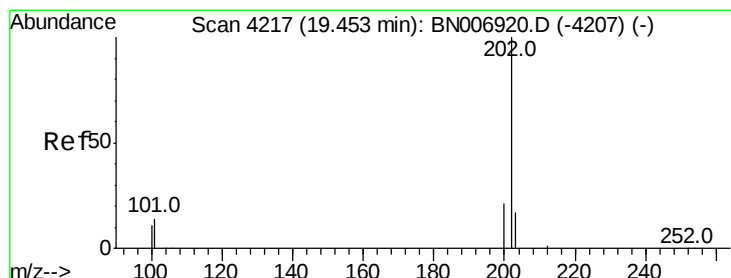
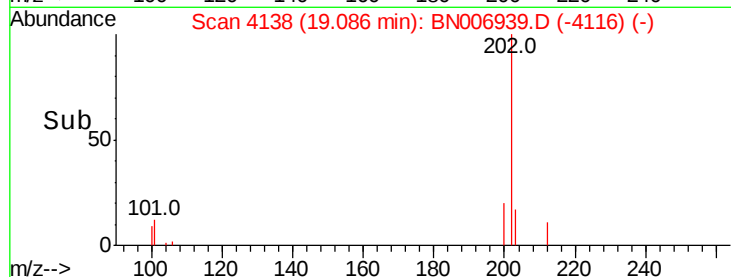
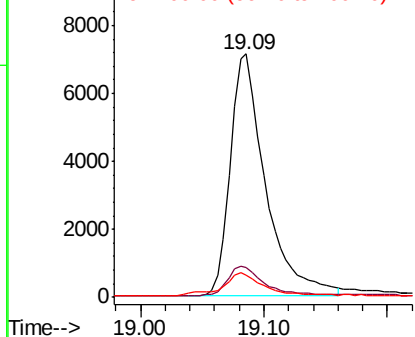
#15
Fluoranthene
Concen: 0.344 ng/ul
RT: 19.09 min Scan# 4138
Delta R.T. 0.00 min
Lab File: BN006939.D
Acq: 19 Jul 2019 23:54

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 14083
Ion Ratio Lower Upper
202 100
101 12.3 0.0 33.2
100 9.3 0.0 29.9

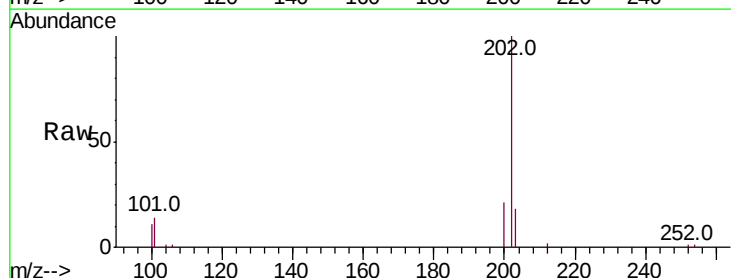


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

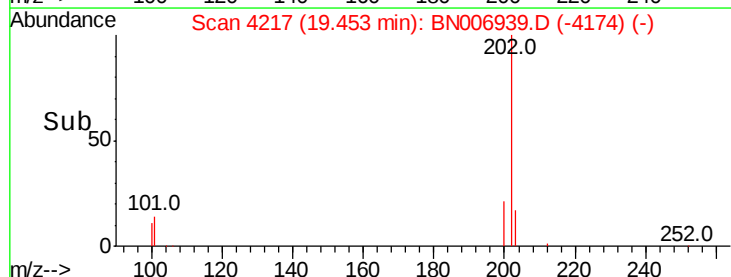
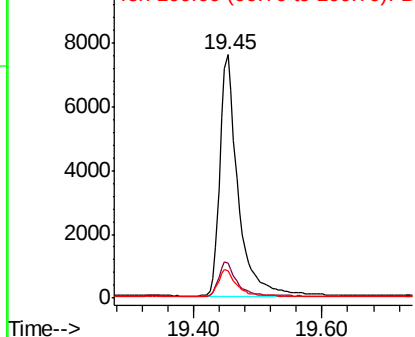


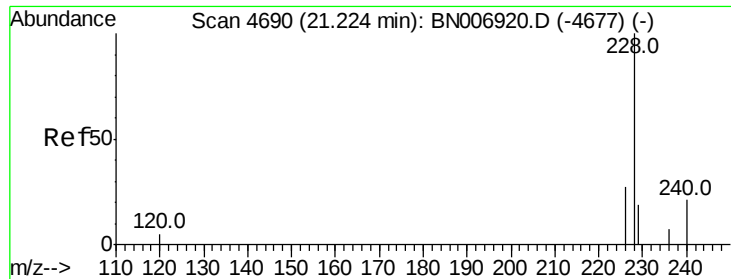
#17
Pyrene
Concen: 0.410 ng/ul
RT: 19.45 min Scan# 4217
Delta R.T. 0.00 min
Lab File: BN006939.D
Acq: 19 Jul 2019 23:54

Tgt Ion:202 Resp: 14935
Ion Ratio Lower Upper
202 100
101 14.4 12.2 18.2
100 11.4 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: 0.343 ng/ul

RT: 21.22 min Scan# 4687

Delta R.T. -0.01 min

Lab File: BN006939.D

Acq: 19 Jul 2019 23:54

Instrument :

BNA_N

ClientSampled :

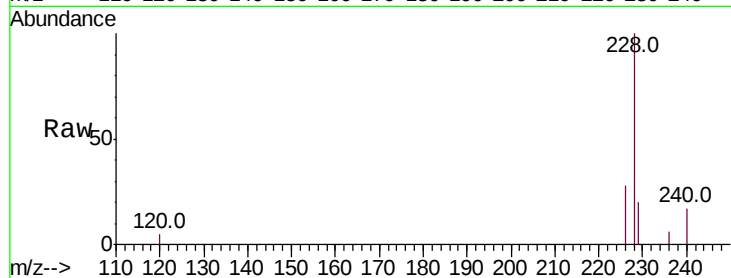
Tot Ion:228 Resp: 11233

Ion Ratio Lower Upper

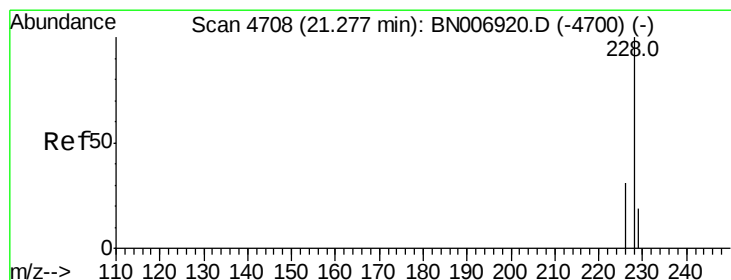
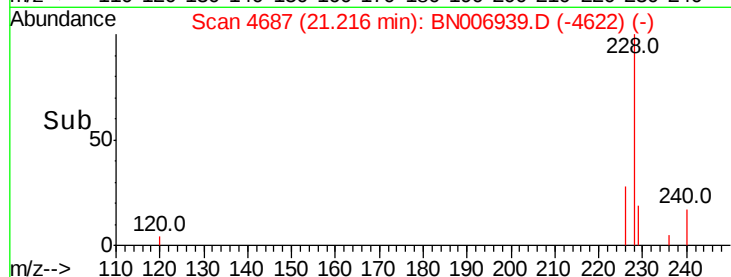
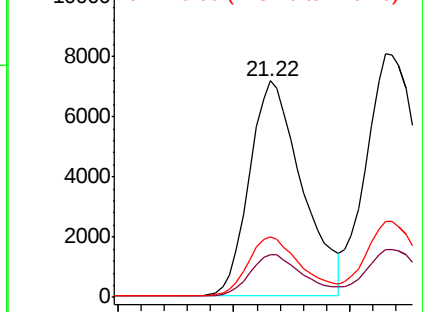
228 100

229 19.9 15.9 23.9

226 28.2 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: 0.422 ng/ul

RT: 21.27 min Scan# 4704

Delta R.T. -0.01 min

Lab File: BN006939.D

Acq: 19 Jul 2019 23:54

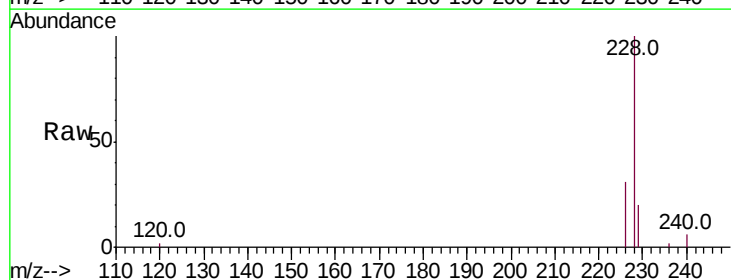
Tgt Ion:228 Resp: 15418

Ion Ratio Lower Upper

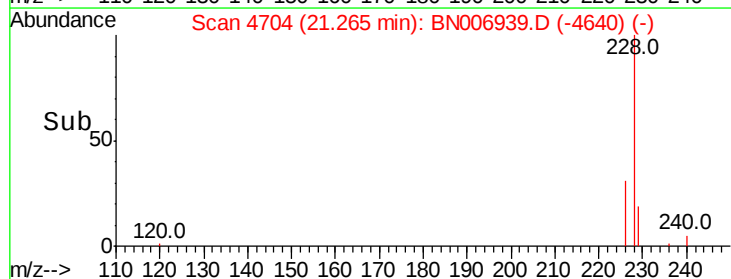
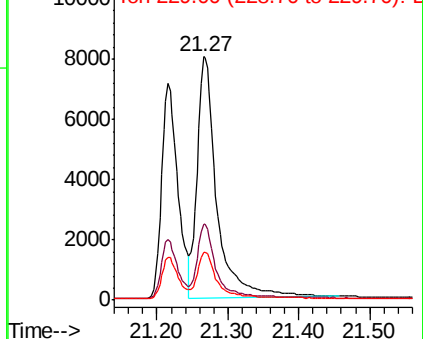
228 100

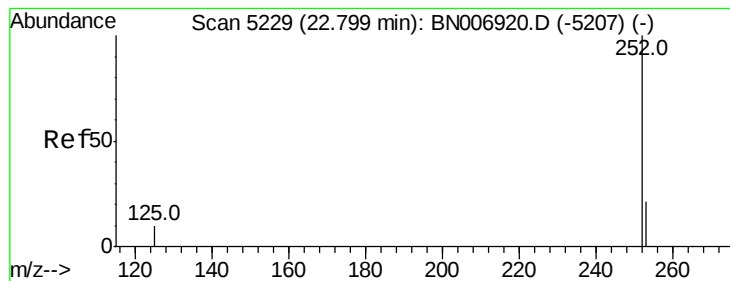
226 31.2 24.2 36.4

229 19.7 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: 0.372 ng/u1

RT: 22.79 min Scan# 5226

Delta R.T. -0.01 min

Lab File: BN006939.D

Acq: 19 Jul 2019 23:54

Instrument :

BNA_N

ClientSampleId :

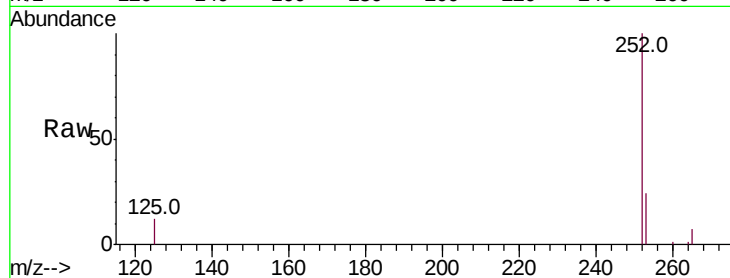
Tot Ion:252 Resp: 13636

Ion Ratio Lower Upper

252 100

253 24.4 0.0 47.8

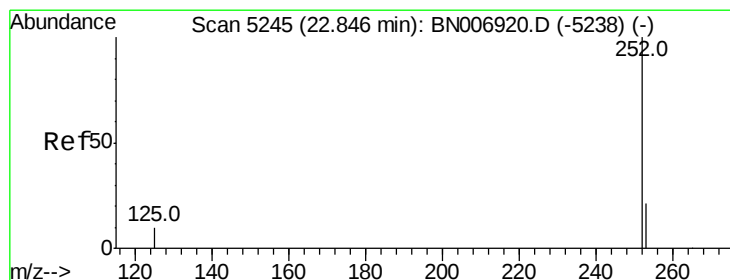
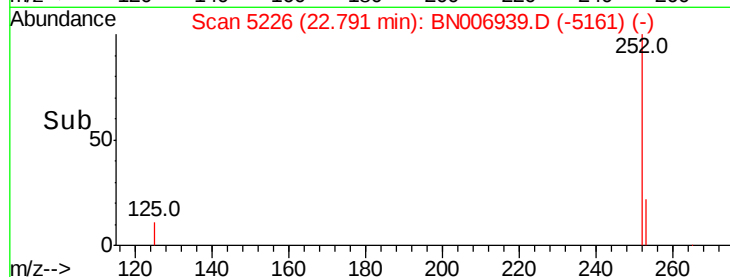
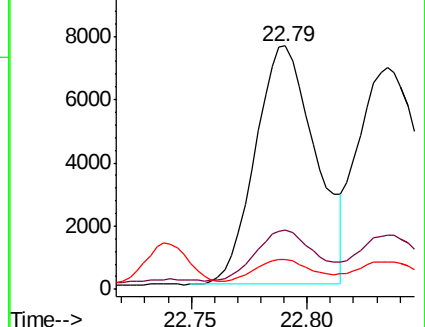
125 12.3 0.0 29.2



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: 0.397 ng/u1

RT: 22.83 min Scan# 5241

Delta R.T. -0.01 min

Lab File: BN006939.D

Acq: 19 Jul 2019 23:54

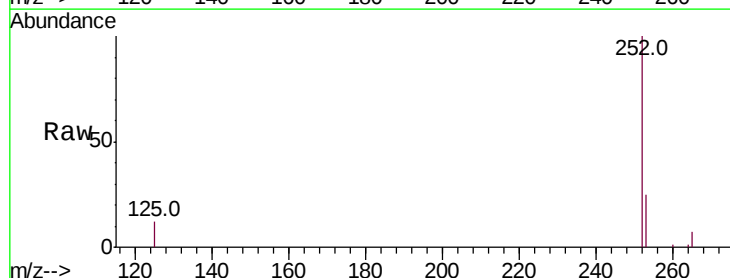
Tgt Ion:252 Resp: 15222

Ion Ratio Lower Upper

252 100

253 24.6 19.2 28.8

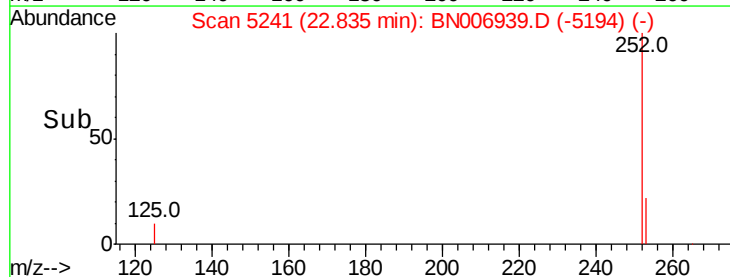
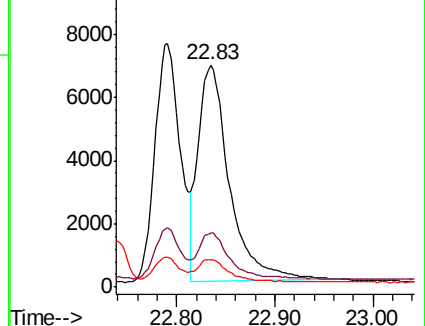
125 12.3 11.0 16.6

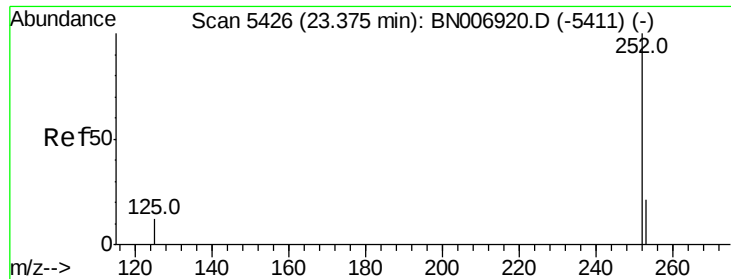


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.387 ng/ul

RT: 23.36 min Scan# 5421

Delta R.T. -0.01 min

Lab File: BN006939.D

Acq: 19 Jul 2019 23:54

Instrument :

BNA_N

ClientSampleId :

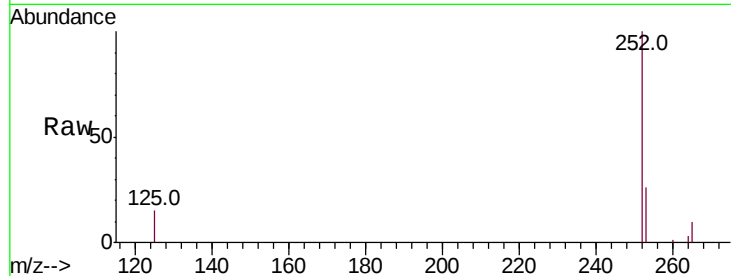
Tot Ion:252 Resp: 13894

Ion Ratio Lower Upper

252 100

253 25.9 19.4 29.2

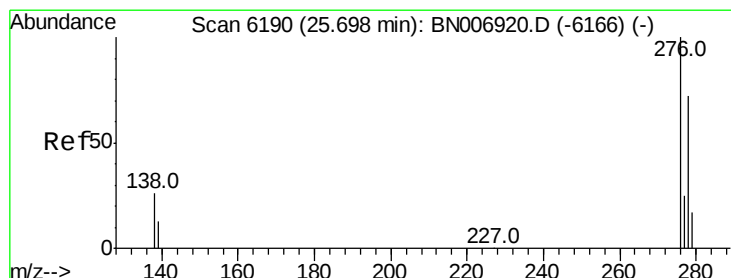
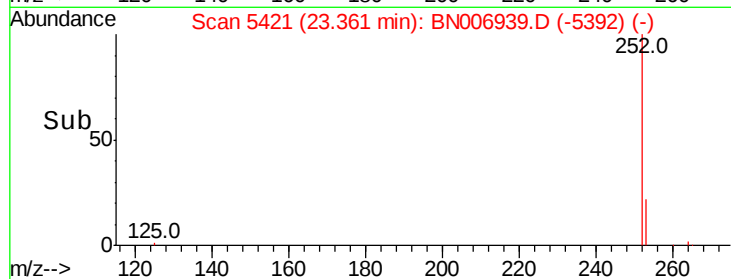
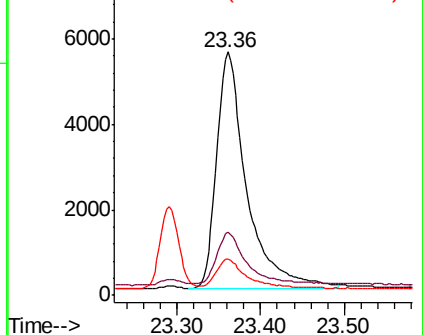
125 15.1 12.6 19.0



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: 0.435 ng/ul

RT: 25.68 min Scan# 6186

Delta R.T. -0.01 min

Lab File: BN006939.D

Acq: 19 Jul 2019 23:54

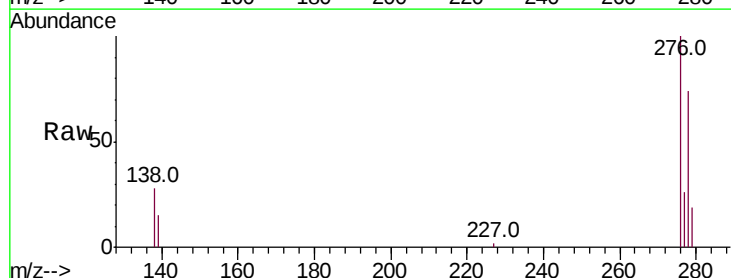
Tgt Ion:276 Resp: 15796

Ion Ratio Lower Upper

276 100

138 27.2 24.3 36.5

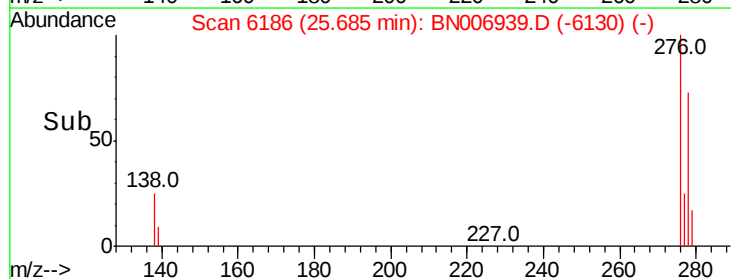
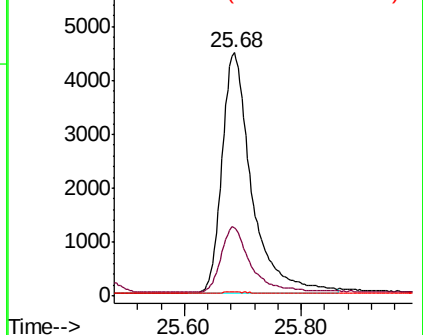
227 0.2 0.2 0.4#

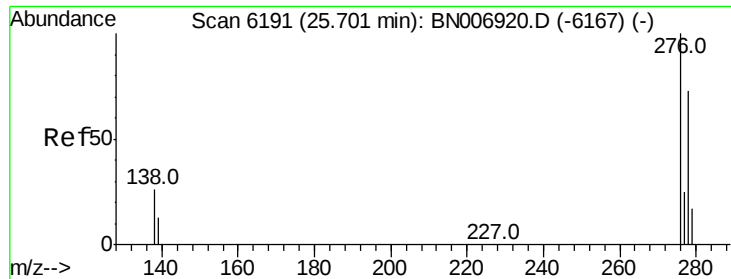


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.428 ng/ul

RT: 25.68 min Scan# 6186

Delta R.T. -0.02 min

Lab File: BN006939.D

Acq: 19 Jul 2019 23:54

Instrument :

BNA_N

ClientSampleId :

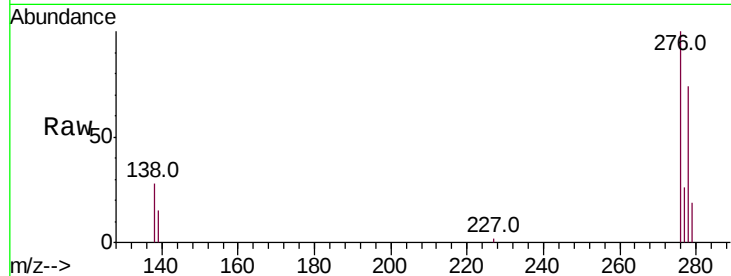
Tot Ion:278 Resp: 12358

Ion Ratio Lower Upper

278 100

139 20.7 18.1 27.1

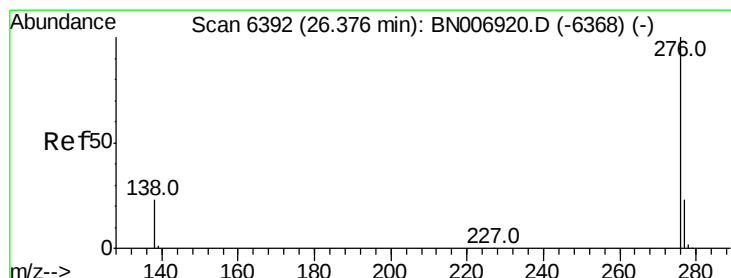
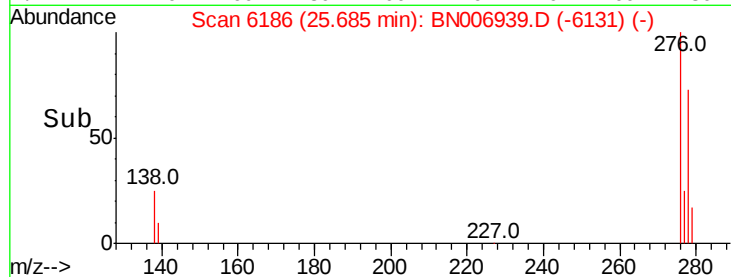
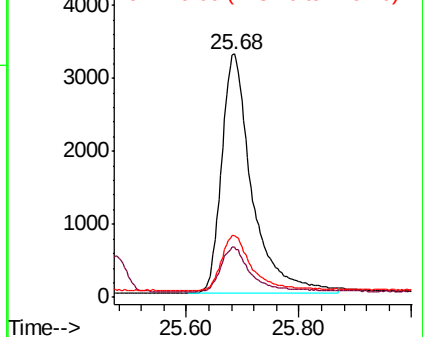
279 25.3 19.8 29.6



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: 0.457 ng/ul

RT: 26.36 min Scan# 6388

Delta R.T. -0.01 min

Lab File: BN006939.D

Acq: 19 Jul 2019 23:54

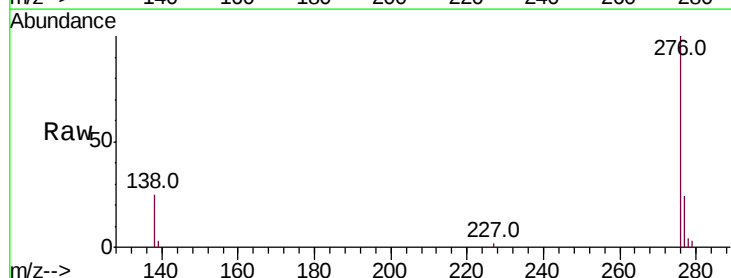
Tgt Ion:276 Resp: 13895

Ion Ratio Lower Upper

276 100

138 25.4 22.2 33.2

277 24.3 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

