

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
 Data File : BN006271.D
 Acq On : 12 Jun 2019 06:09
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 12 06:52:31 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 : Sun Jun 09 05:10:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	5225	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	21079	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	10382	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	18887	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	12691	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	14255	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	12770	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	19550	0.39	ng/ul	0.00

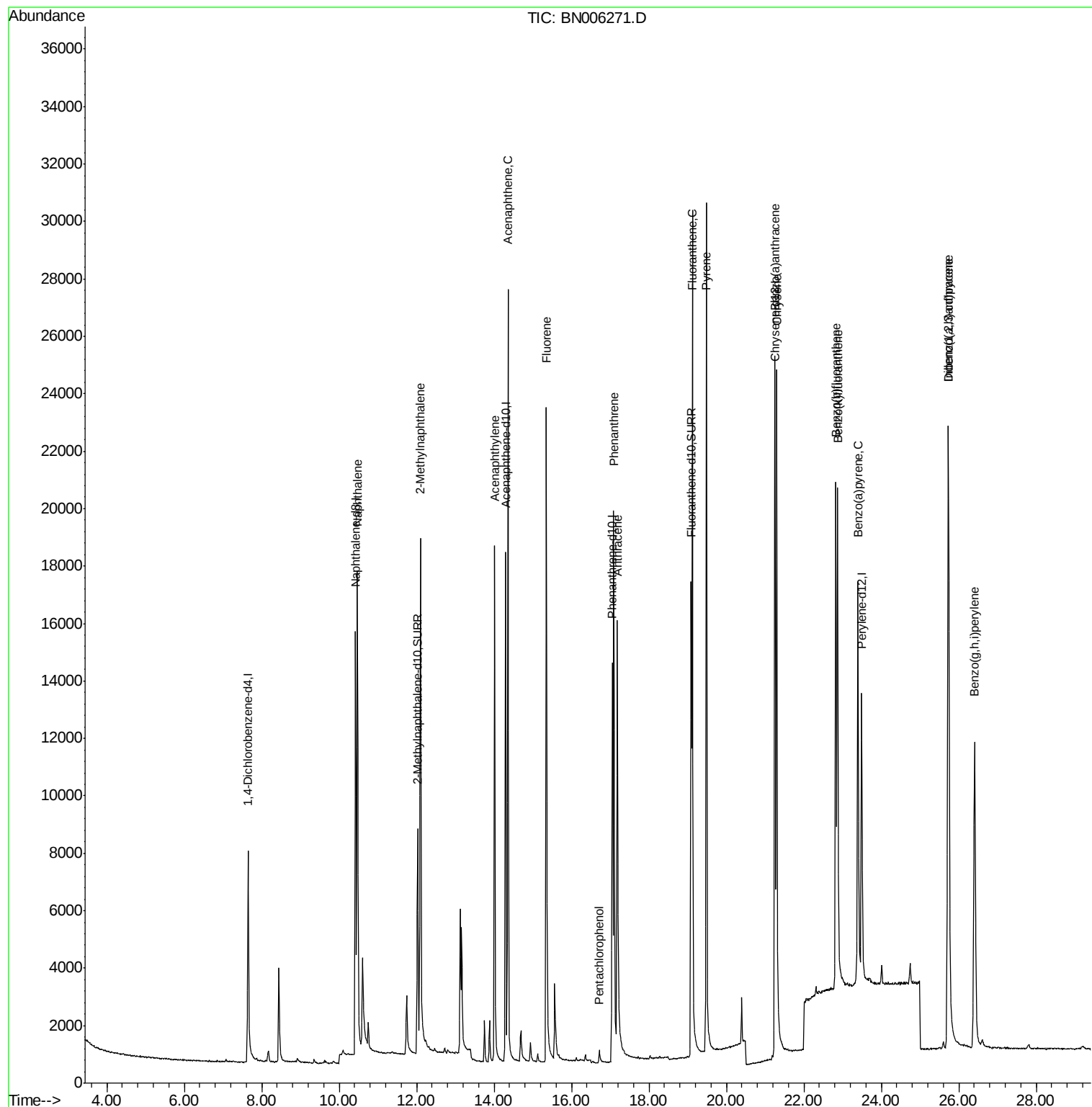
Target Compounds				Ovalue		
3) Naphthalene	10.47	128	24223	0.416	ng/ul	100
5) 2-Methylnaphthalene	12.10	142	15951	0.394	ng/ul	99
7) Acenaphthylene	14.01	152	22749	0.394	ng/ul	99
8) Acenaphthene	14.36	153	16724	0.418	ng/ul	100
9) Fluorene	15.35	166	17175	0.367	ng/ul	98
11) Pentachlorophenol	16.72	266	522	0.109	ng/ul	93
12) Phenanthrene	17.09	178	23857	0.394	ng/ul	99
13) Anthracene	17.18	178	21129	0.365	ng/ul	99
15) Fluoranthene	19.12	202	25574	0.382	ng/ul	96
17) Pyrene	19.49	202	26855	0.402	ng/ul	99
18) Benzo(a)anthracene	21.25	228	21010	0.374	ng/ul	99
19) Chrysene	21.30	228	24892	0.472	ng/ul	99
21) Benzo(b)fluoranthene	22.82	252	22090	0.372	ng/ul	96
22) Benzo(k)fluoranthene	22.87	252	24709	0.427	ng/ul	98
23) Benzo(a)pyrene	23.40	252	22762	0.411	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.73	276	26514	0.442	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.74	278	20865	0.436	ng/ul	96
26) Benzo(g,h,i)perylene	26.41	276	22764	0.454	ng/ul	97

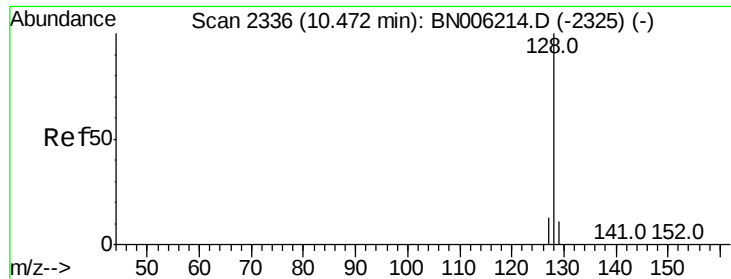
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.416 ng/ul

RT: 10.47 min Scan# 2336

Delta R.T. -0.00 min

Lab File: BN006271.D

Acq: 12 Jun 2019 06:09

Instrument :

BNA_N

ClientSampleId :

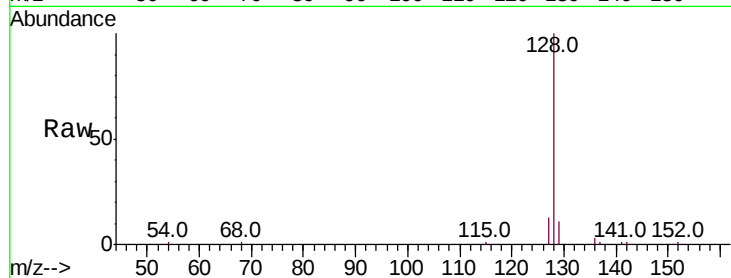
Tot Ion:128 Resp: 24223

Ion Ratio Lower Upper

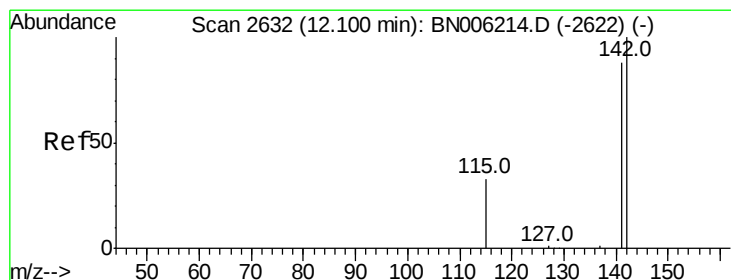
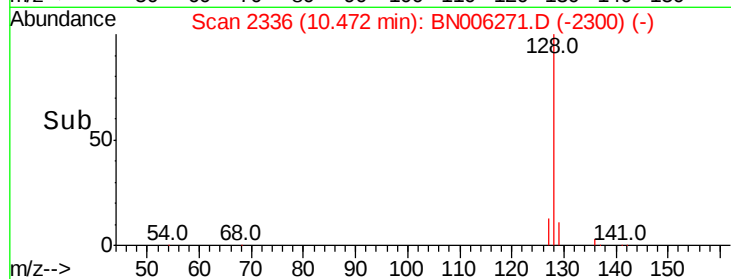
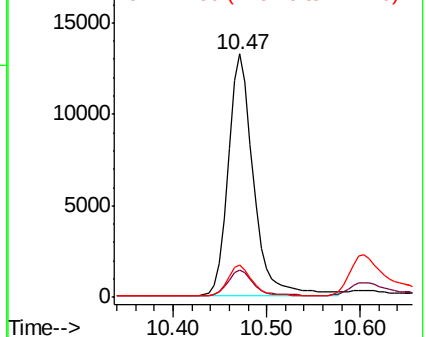
128 100

129 11.4 9.3 13.9

127 13.4 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: 0.394 ng/ul

RT: 12.10 min Scan# 2632

Delta R.T. -0.00 min

Lab File: BN006271.D

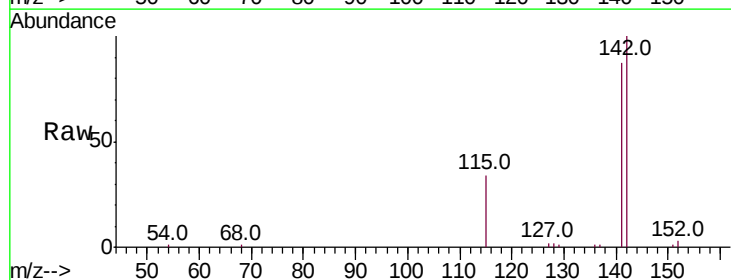
Acq: 12 Jun 2019 06:09

Tgt Ion:142 Resp: 15951

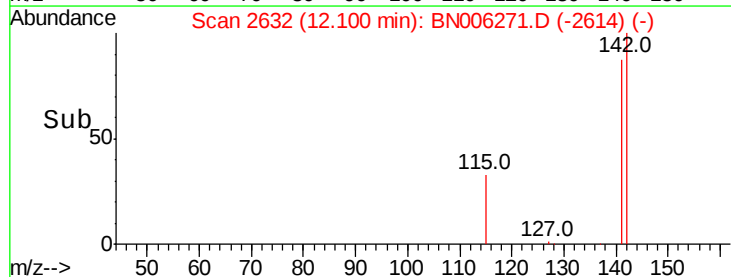
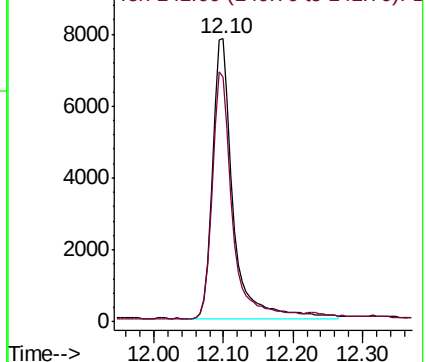
Ion Ratio Lower Upper

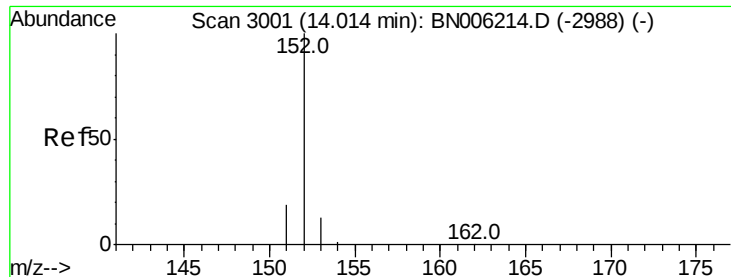
142 100

141 89.1 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: 0.394 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006271.D

Acq: 12 Jun 2019 06:09

Instrument :

BNA_N

ClientSampleId :

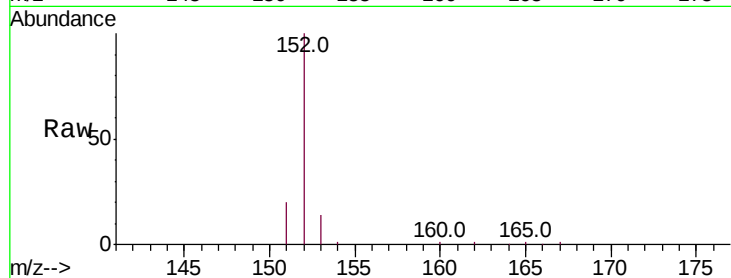
Tot Ion:152 Resp: 22749

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.8

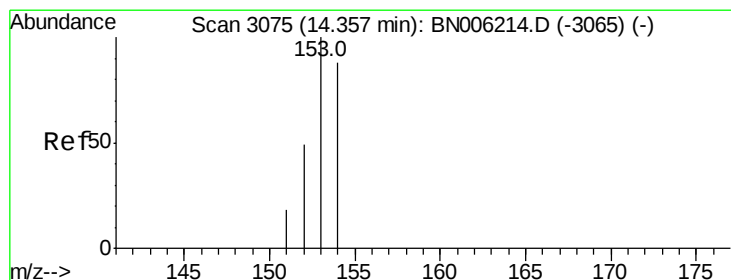
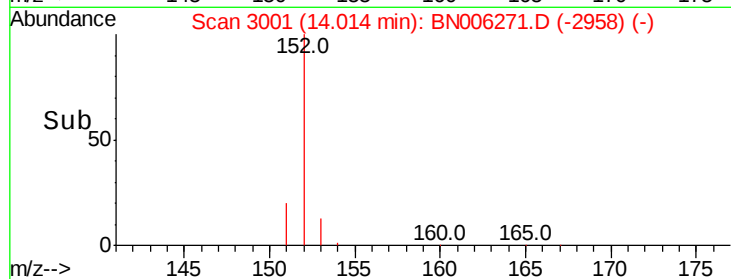
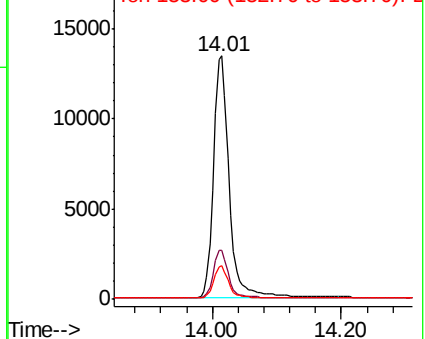
153 13.7 10.8 16.2



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: 0.418 ng/ul

RT: 14.36 min Scan# 3075

Delta R.T. -0.00 min

Lab File: BN006271.D

Acq: 12 Jun 2019 06:09

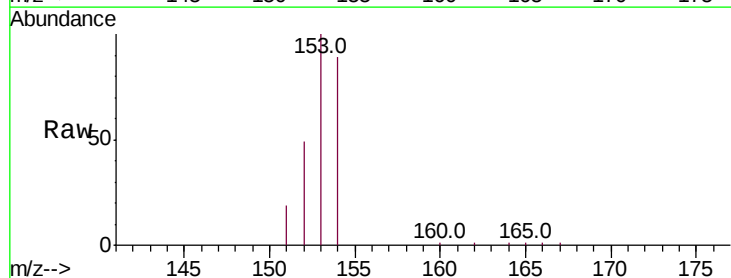
Tgt Ion:153 Resp: 16724

Ion Ratio Lower Upper

153 100

152 49.2 39.1 58.7

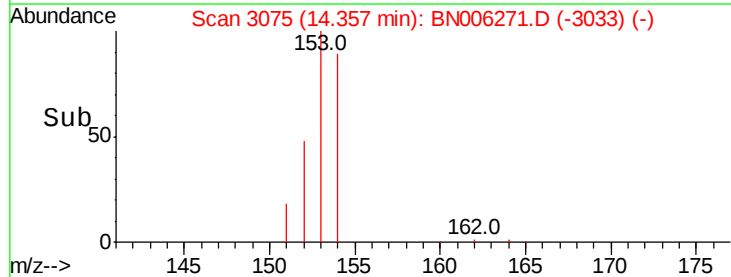
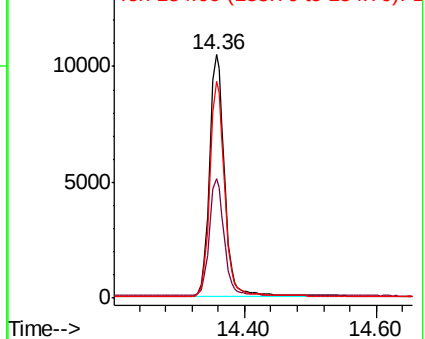
154 89.0 71.1 106.7

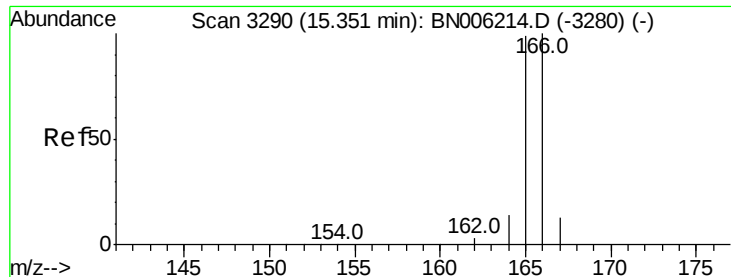


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

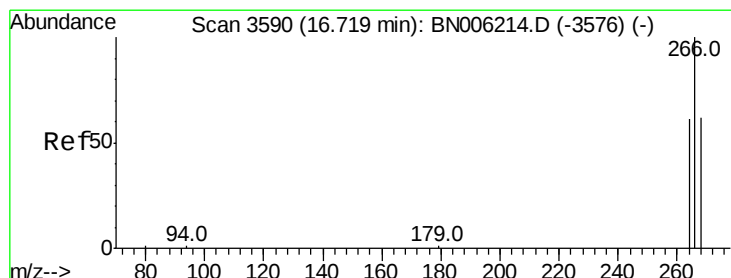
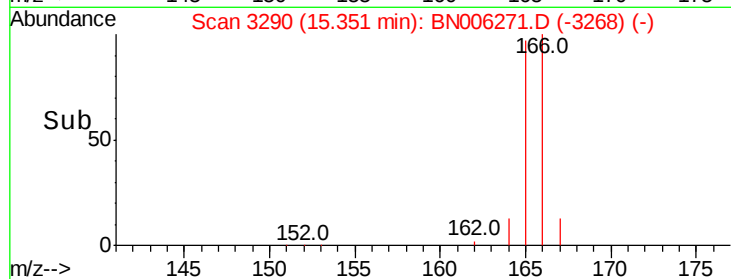
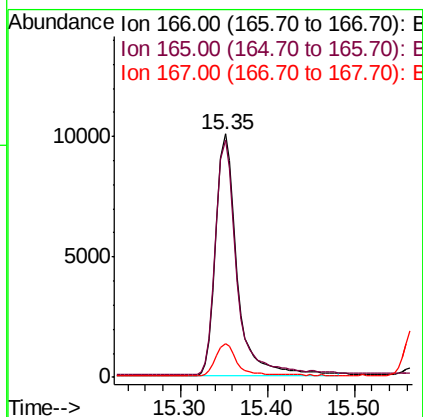
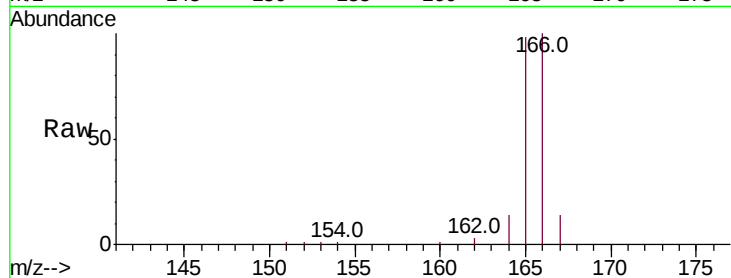




#9
Fluorene
 Concen: 0.367 ng/ul
 RT: 15.35 min Scan# 3290
 Delta R.T. -0.00 min
 Lab File: BN006271.D
 Acq: 12 Jun 2019 06:09

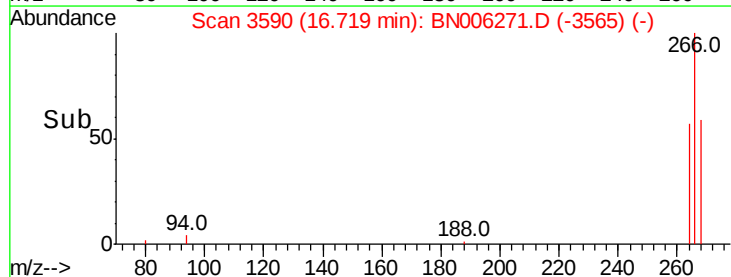
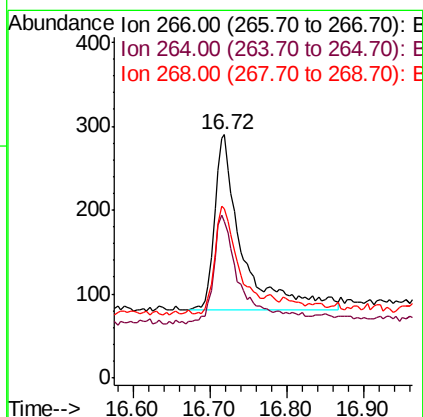
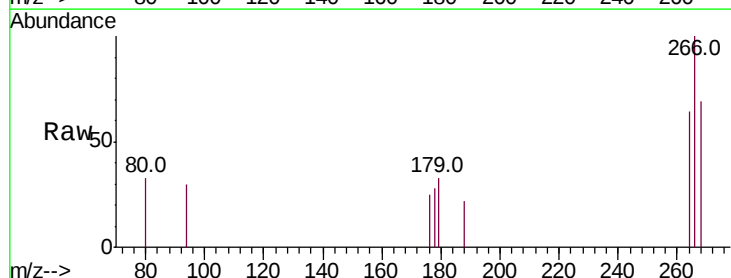
Instrument :
 BNA_N
 ClientSampleId :

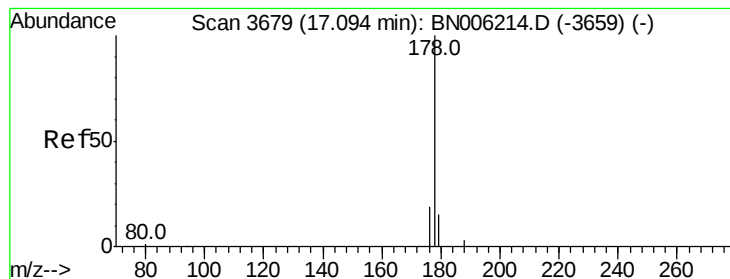
Tot Ion:166 Resp: 17175
 Ion Ratio Lower Upper
 166 100
 165 97.7 76.4 114.6
 167 14.1 11.0 16.6



#11
Pentachlorophenol
 Concen: 0.109 ng/ul
 RT: 16.72 min Scan# 3590
 Delta R.T. 0.00 min
 Lab File: BN006271.D
 Acq: 12 Jun 2019 06:09

Tgt Ion:266 Resp: 522
 Ion Ratio Lower Upper
 266 100
 264 64.6 50.3 75.5
 268 55.4 51.3 76.9





#12

Phenanthrene

Concen: 0.394 ng/ul

RT: 17.09 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN006271.D

Acq: 12 Jun 2019 06:09

Instrument :

BNA_N

ClientSampleId :

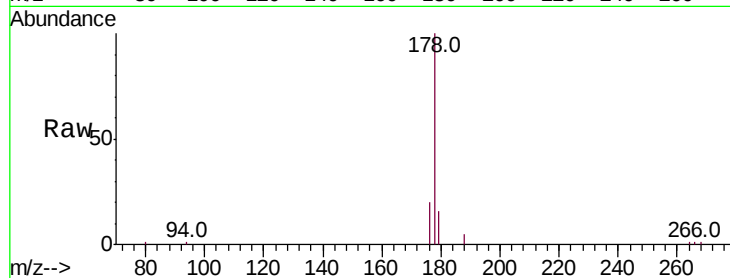
Tot Ion:178 Resp: 23857

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

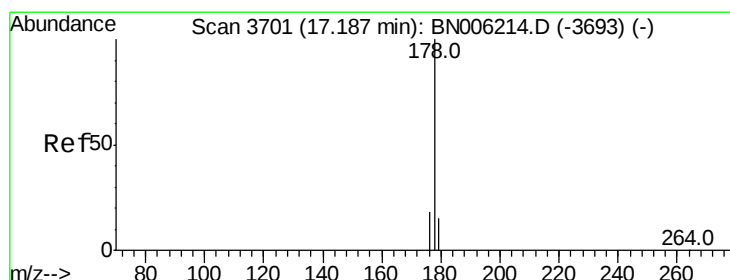
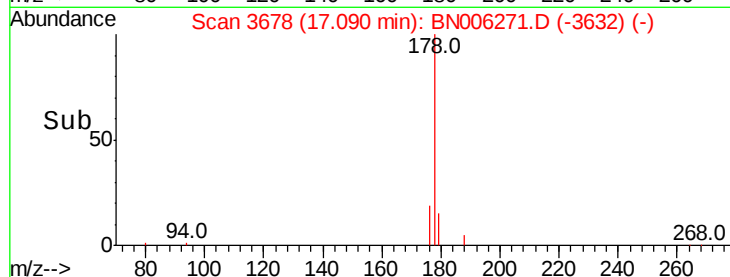
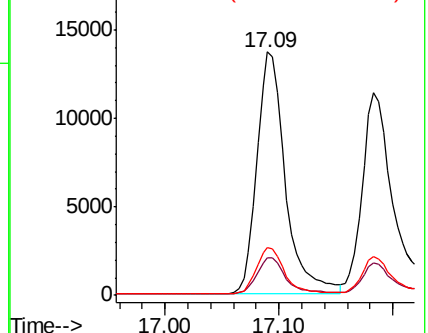
176 19.6 15.3 22.9



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: 0.365 ng/ul

RT: 17.18 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BN006271.D

Acq: 12 Jun 2019 06:09

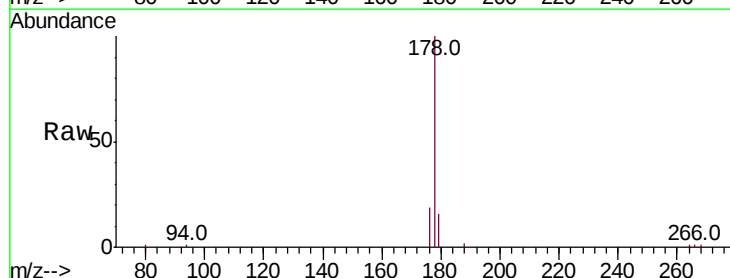
Tgt Ion:178 Resp: 21129

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.4

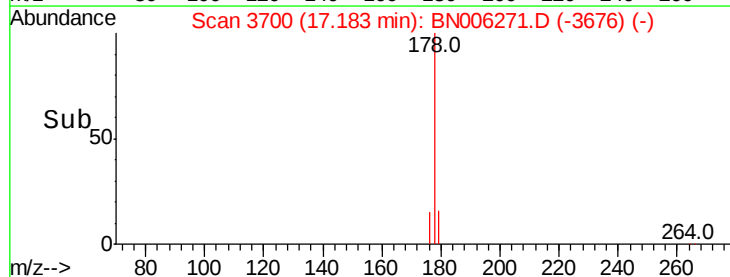
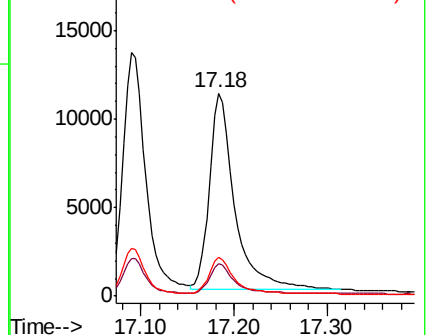
176 19.2 15.1 22.7

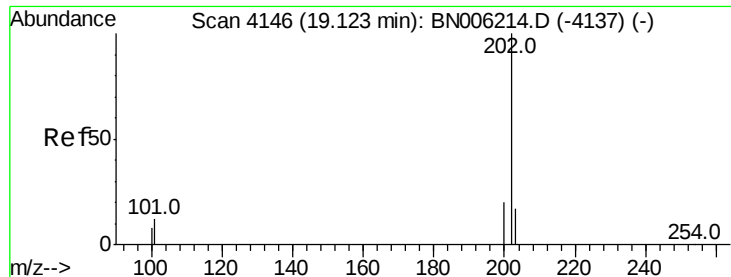


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.382 ng/ul

RT: 19.12 min Scan# 4145

Delta R.T. -0.00 min

Lab File: BN006271.D

Acq: 12 Jun 2019 06:09

Instrument :

BNA_N

ClientSampleId :

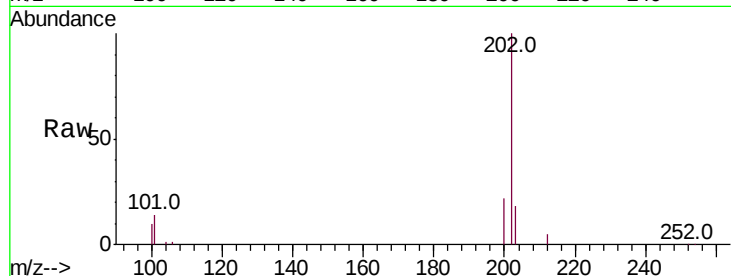
Tot Ion:202 Resp: 25574

Ion Ratio Lower Upper

202 100

101 13.9 0.0 32.1

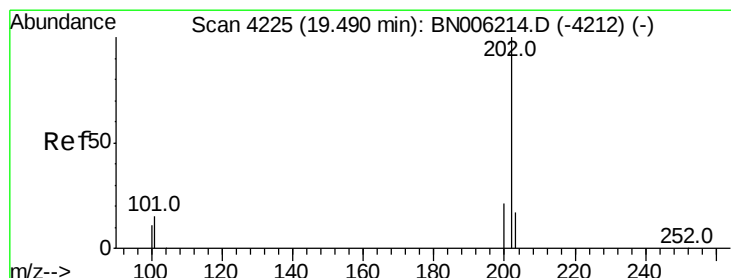
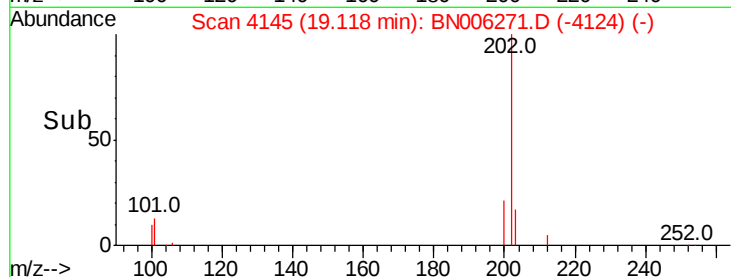
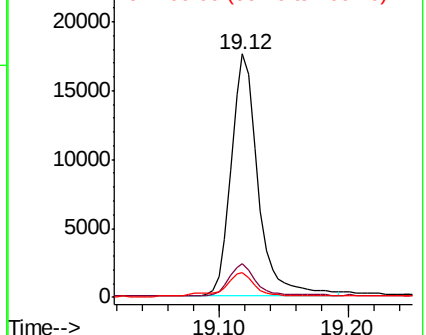
100 10.1 0.0 28.7



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: 0.402 ng/ul

RT: 19.49 min Scan# 4224

Delta R.T. -0.00 min

Lab File: BN006271.D

Acq: 12 Jun 2019 06:09

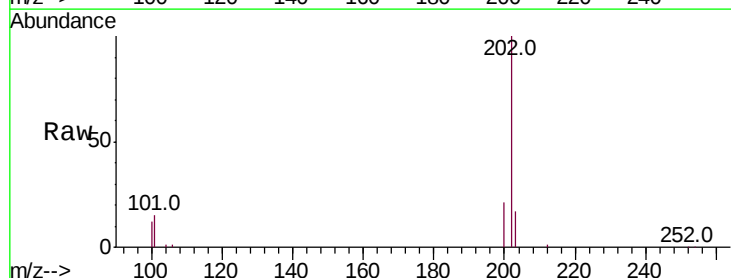
Tgt Ion:202 Resp: 26855

Ion Ratio Lower Upper

202 100

101 15.1 12.2 18.2

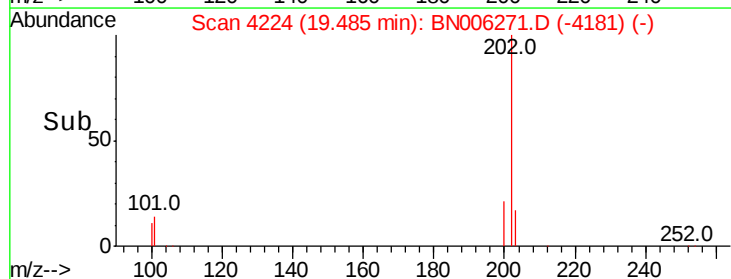
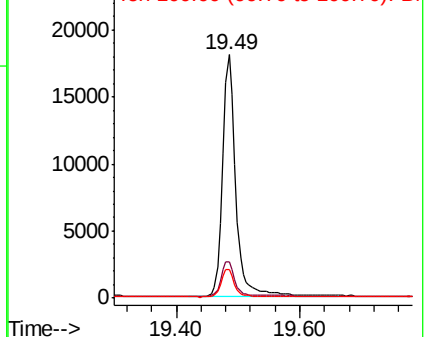
100 11.7 9.8 14.6

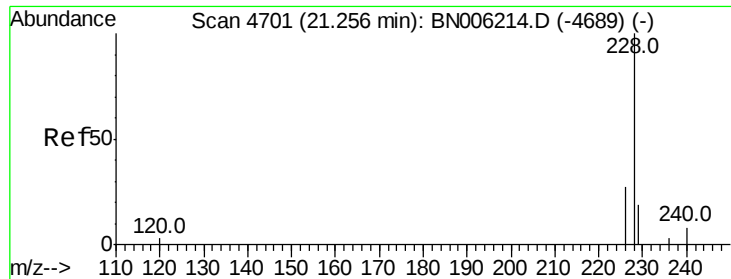


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.374 ng/ul

RT: 21.25 min Scan# 4697

Delta R.T. -0.00 min

Lab File: BN006271.D

Acq: 12 Jun 2019 06:09

Instrument :

BNA_N

ClientSampleId :

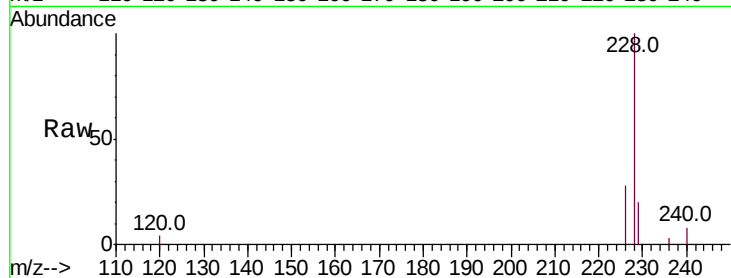
Tot Ion:228 Resp: 21010

Ion Ratio Lower Upper

228 100

229 20.2 16.5 24.7

226 27.8 22.8 34.2

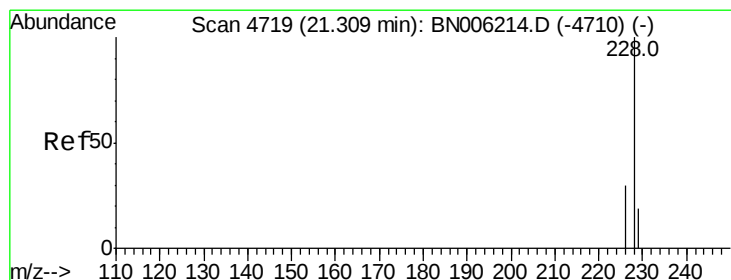
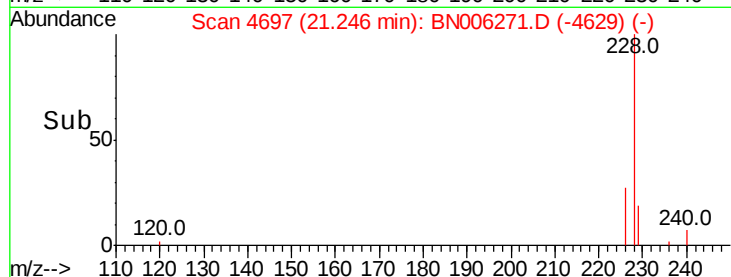
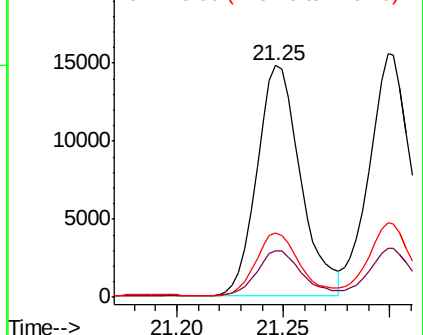


Abundance

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: 0.472 ng/ul

RT: 21.30 min Scan# 4715

Delta R.T. -0.00 min

Lab File: BN006271.D

Acq: 12 Jun 2019 06:09

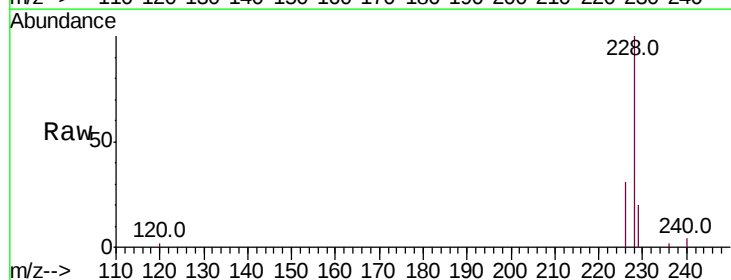
Tgt Ion:228 Resp: 24892

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

229 20.1 16.3 24.5

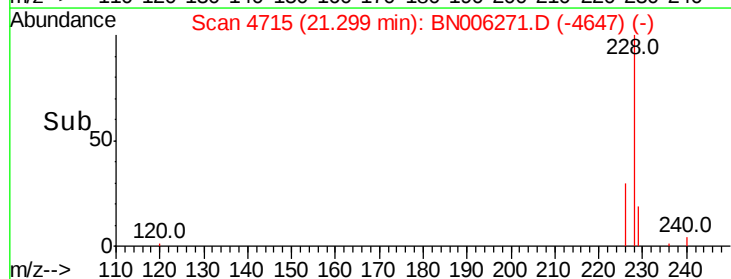
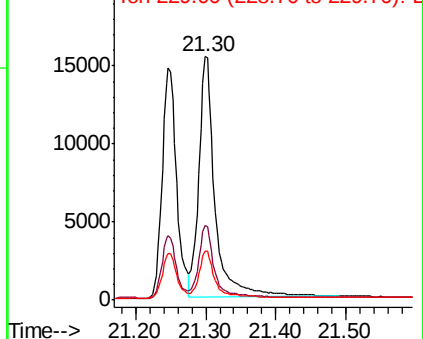


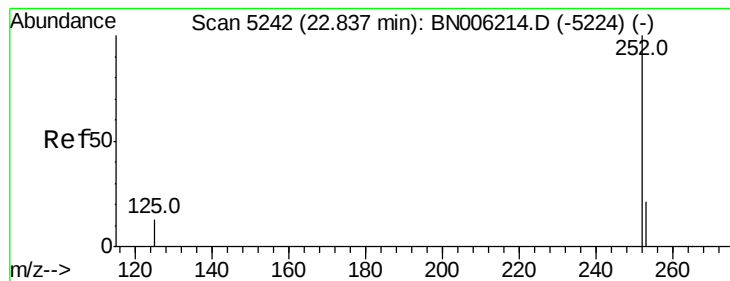
Abundance

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: 0.372 ng/u1

RT: 22.82 min Scan# 5237

Delta R.T. 0.00 min

Lab File: BN006271.D

Acq: 12 Jun 2019 06:09

Instrument :

BNA_N

ClientSampleId :

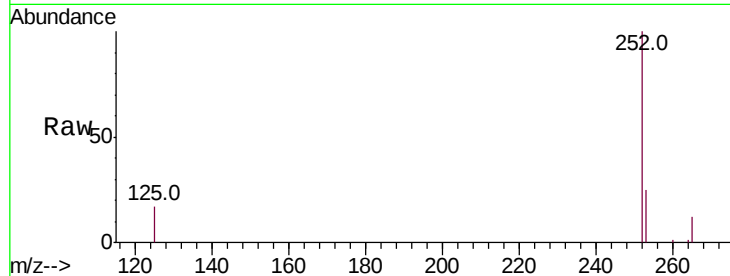
Tot Ion:252 Resp: 22090

Ion Ratio Lower Upper

252 100

253 24.9 0.0 51.4

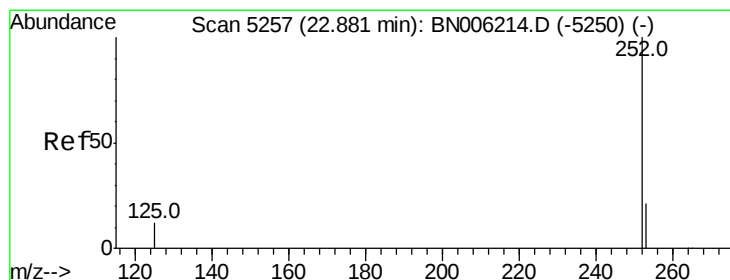
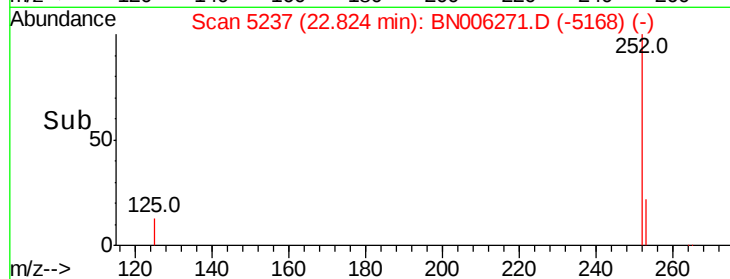
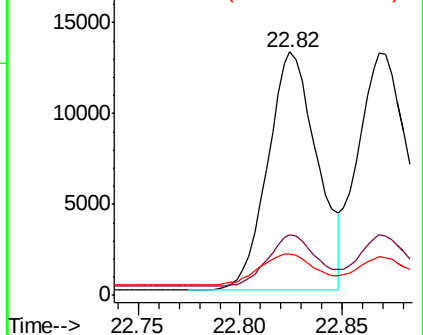
125 17.2 0.0 41.0



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: 0.427 ng/u1

RT: 22.87 min Scan# 5252

Delta R.T. 0.00 min

Lab File: BN006271.D

Acq: 12 Jun 2019 06:09

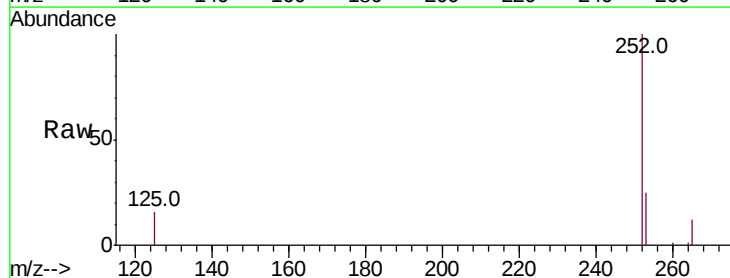
Tgt Ion:252 Resp: 24709

Ion Ratio Lower Upper

252 100

253 24.8 20.3 30.5

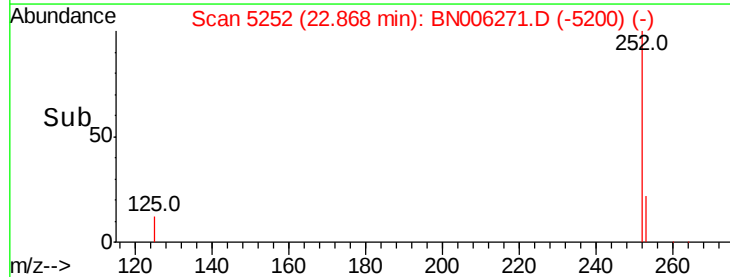
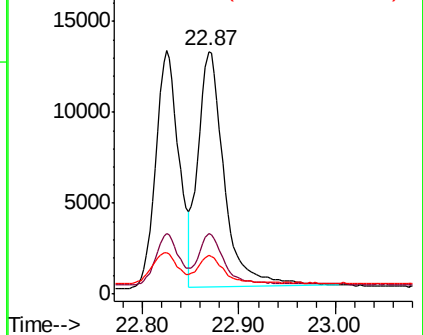
125 16.1 14.3 21.5

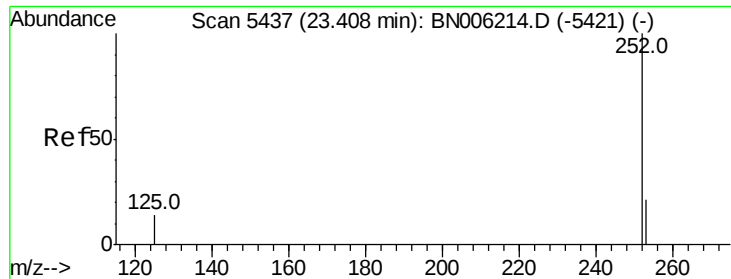


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.411 ng/ul

RT: 23.40 min Scan# 5433

Delta R.T. 0.00 min

Lab File: BN006271.D

Acq: 12 Jun 2019 06:09

Instrument :

BNA_N

ClientSampleId :

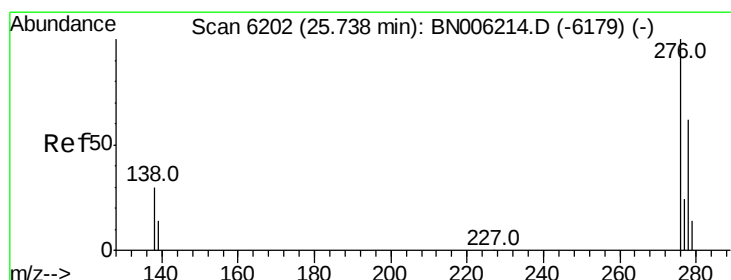
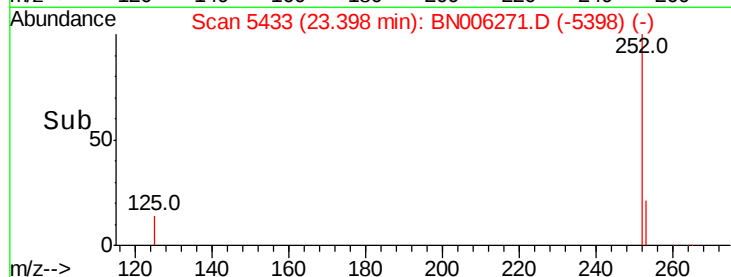
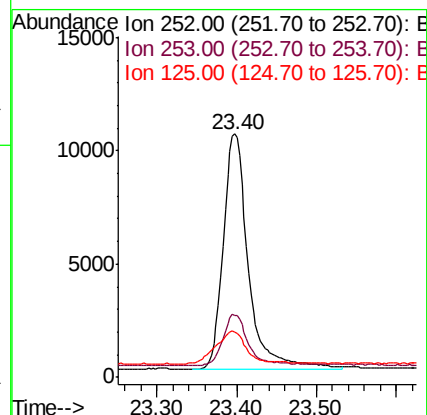
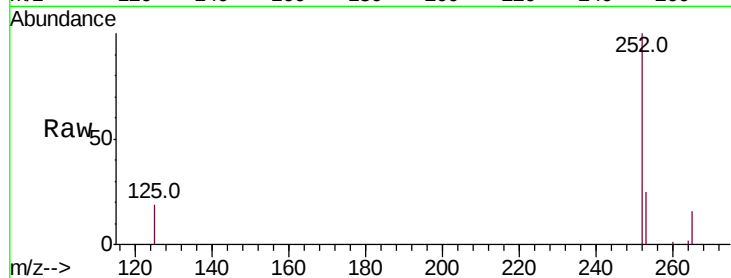
Tot Ion:252 Resp: 22762

Ion Ratio Lower Upper

252 100

253 25.4 21.1 31.7

125 18.8 20.3 30.5#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.442 ng/ul

RT: 25.73 min Scan# 6199

Delta R.T. 0.00 min

Lab File: BN006271.D

Acq: 12 Jun 2019 06:09

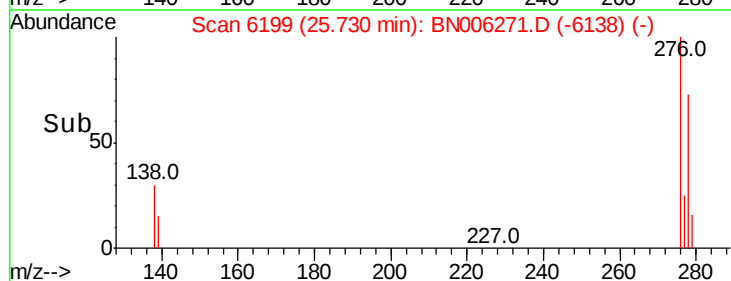
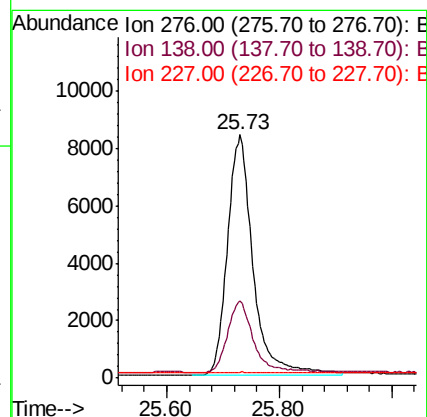
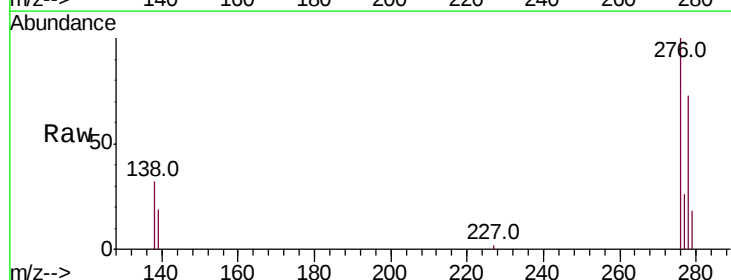
Tgt Ion:276 Resp: 26514

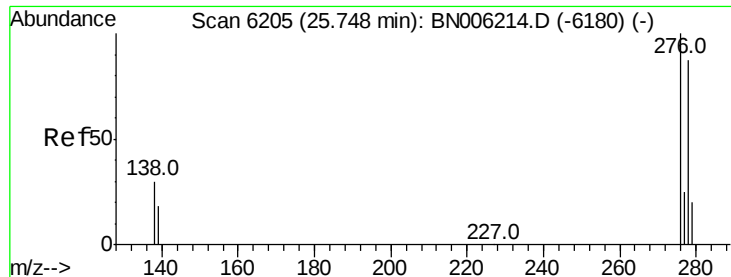
Ion Ratio Lower Upper

276 100

138 29.6 25.6 38.4

227 0.2 0.3 0.5#

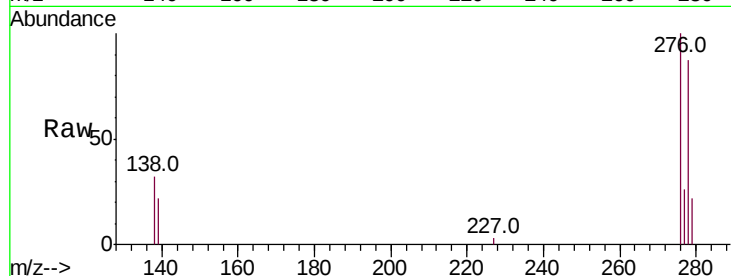




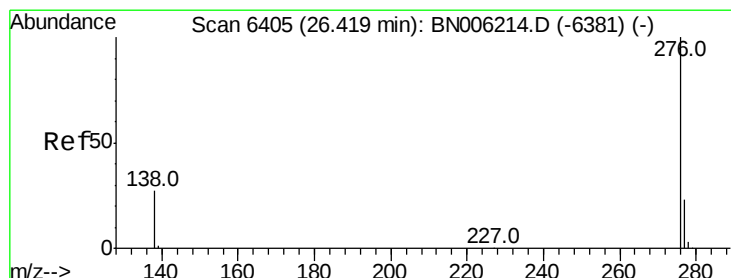
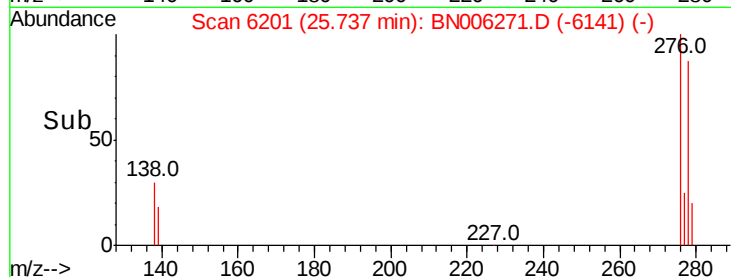
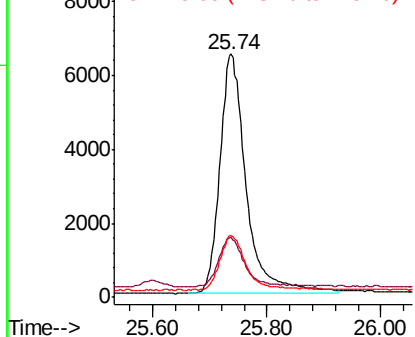
#25
Dibenzo(a,h)anthracene
Concen: 0.436 ng/u1
RT: 25.74 min Scan# 6201
Delta R.T. 0.00 min
Lab File: BN006271.D
Acq: 12 Jun 2019 06:09

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 20865
Ion Ratio Lower Upper
278 100
139 24.8 21.2 31.8
279 25.6 22.6 33.8

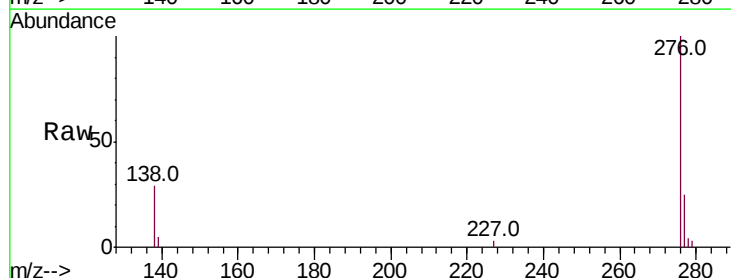


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.454 ng/u1
RT: 26.41 min Scan# 6402
Delta R.T. 0.01 min
Lab File: BN006271.D
Acq: 12 Jun 2019 06:09

Tgt Ion:276 Resp: 22764
Ion Ratio Lower Upper
276 100
138 28.8 24.2 36.4
277 24.9 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

