

Data File : BN004022.D
Acq On : 17 Dec 2018 07:09
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.423

Quant Time: Dec 17 07:55:14 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 17 06:22:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1930	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	9725	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5732	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.22	188	14183	0.40	ng/ul	0.00
16) Chrysene-d12	21.40	240	15392	0.40	ng/ul	0.00
20) Perylene-d12	23.72	264	13577	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	5838	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	16685	0.40	ng/ul	0.00

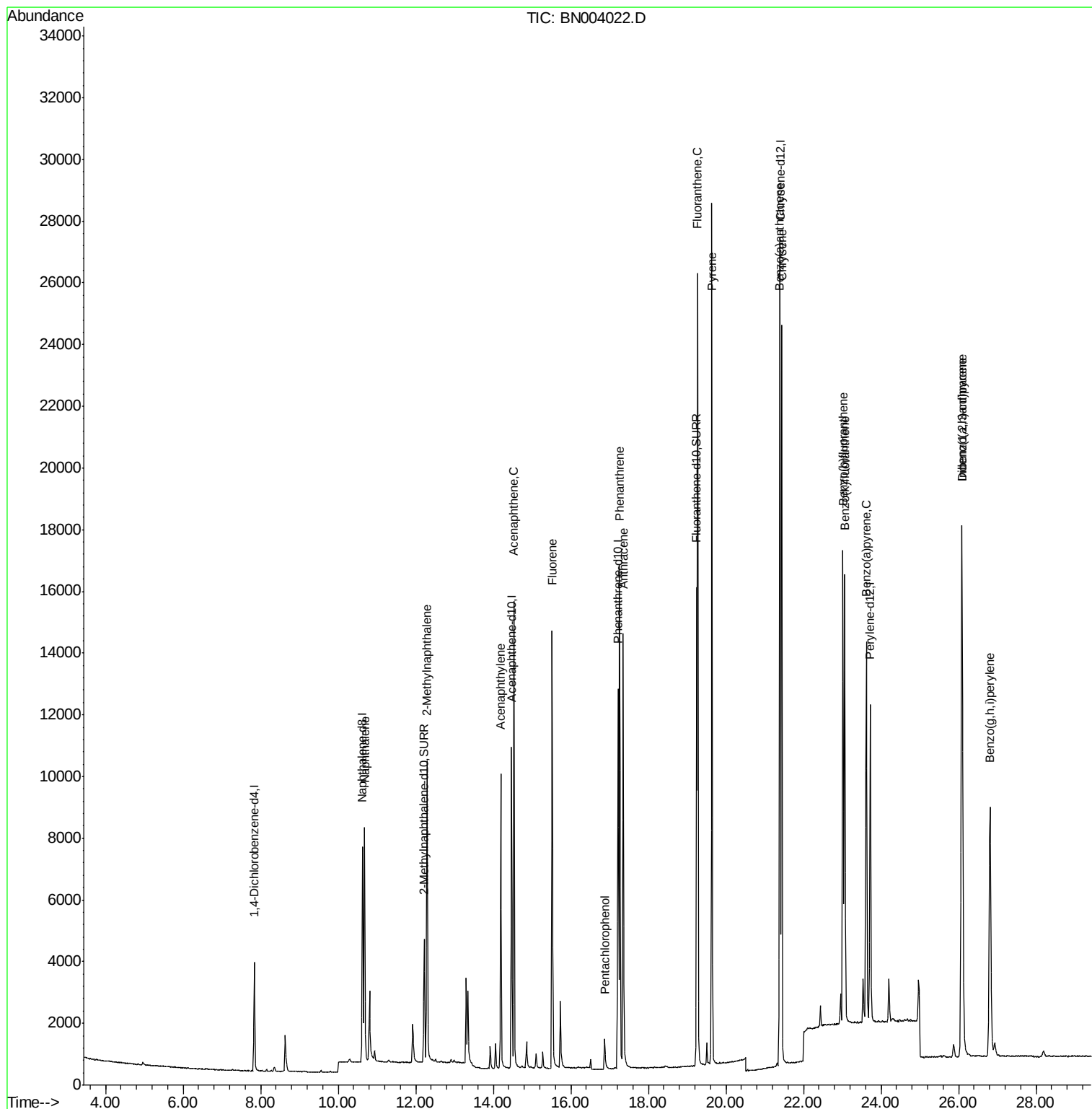
Target Compounds					Qvalue
3) Naphthalene	10.68	128	10455	0.383	ng/ul 99
5) 2-Methylnaphthalene	12.29	142	7624	0.400	ng/ul 99
7) Acenaphthylene	14.19	152	11409	0.442	ng/ul 99
8) Acenaphthene	14.53	153	8715	0.385	ng/ul 100
9) Fluorene	15.52	166	9983	0.379	ng/ul 100
11) Pentachlorophenol	16.87	266	912	0.357	ng/ul 97
12) Phenanthrene	17.26	178	17498	0.376	ng/ul 99
13) Anthracene	17.35	178	16480	0.431	ng/ul 99
15) Fluoranthene	19.28	202	22105	0.402	ng/ul 98
17) Pyrene	19.64	202	22767	0.412	ng/ul 95
18) Benzo(a)anthracene	21.39	228	20906	0.430	ng/ul 99
19) Chrysene	21.44	228	20390	0.366	ng/ul 99
21) Benzo(b)fluoranthene	23.02	252	19554	0.348	ng/ul 96
22) Benzo(k)fluoranthene	23.06	252	19645	0.359	ng/ul# 97
23) Benzo(a)pyrene	23.62	252	18416	0.379	ng/ul# 97
24) Indeno(1,2,3-cd)pyrene	26.08	276	21160	0.379	ng/ul# 97
25) Dibenzo(a,h)anthracene	26.09	278	17089	0.381	ng/ul 96
26) Benzo(g,h,i)perylene	26.81	276	17672	0.365	ng/ul 96

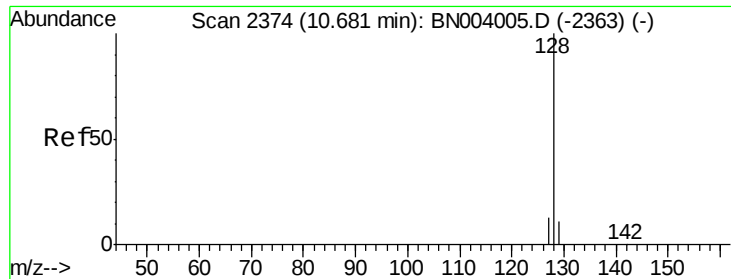
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 17 07:55:14 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN11918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 17 06:22:23 2018
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.383 ng/ul

RT: 10.68 min Scan# 2374

Delta R.T. -0.00 min

Lab File: BN004022.D

Acq: 17 Dec 2018 07:09

Instrument :

BNA_N

ClientSampleId :

SSTD0.423

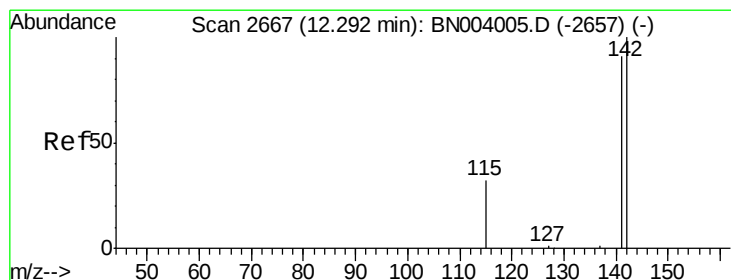
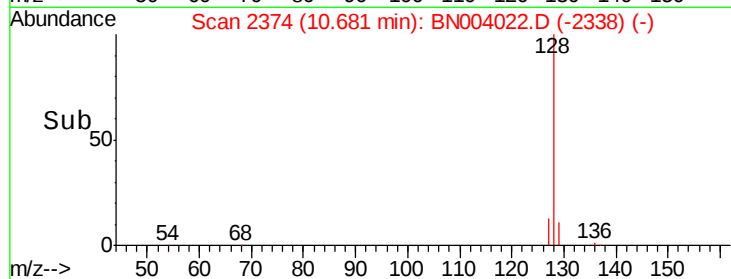
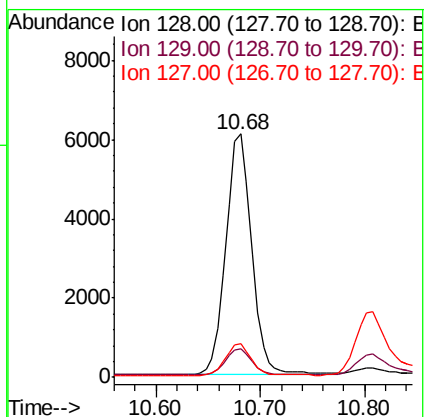
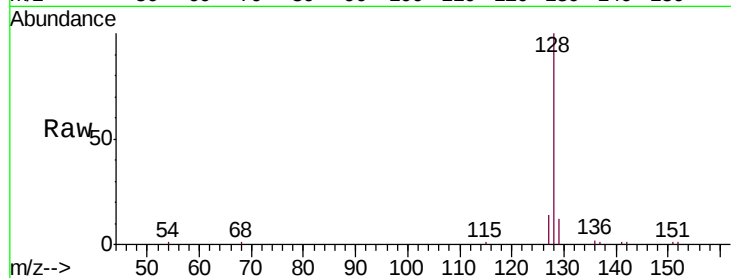
Tgt Ion:128 Resp: 10455

Ion Ratio Lower Upper

128 100

129 11.8 9.0 13.6

127 13.7 10.5 15.7



#5

2-Methylnaphthalene

Concen: 0.400 ng/ul

RT: 12.29 min Scan# 2667

Delta R.T. -0.00 min

Lab File: BN004022.D

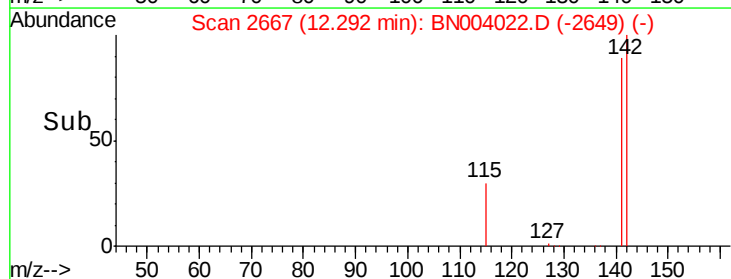
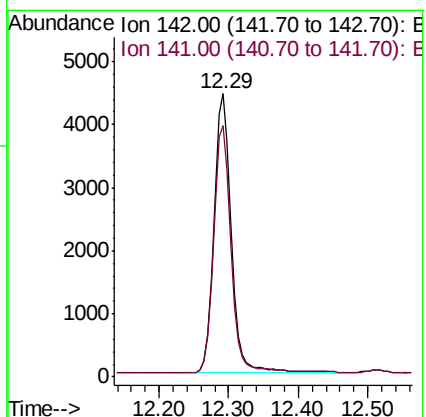
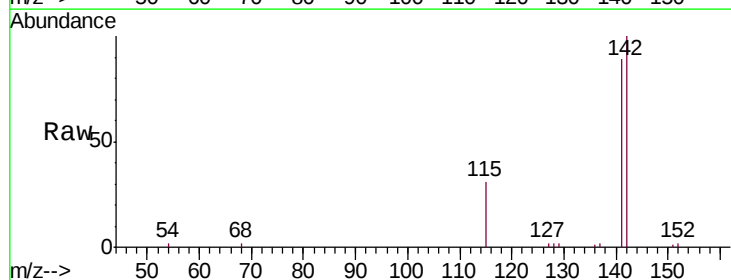
Acq: 17 Dec 2018 07:09

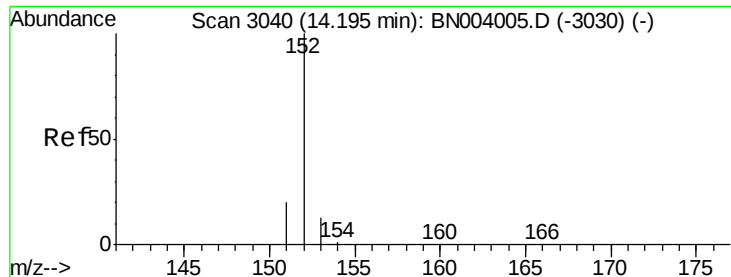
Tgt Ion:142 Resp: 7624

Ion Ratio Lower Upper

142 100

141 90.2 71.5 107.3





#7

Acenaphthylene

Concen: 0.442 ng/ul

RT: 14.19 min Scan# 3040

Delta R.T. -0.00 min

Lab File: BN004022.D

Acq: 17 Dec 2018 07:09

Instrument :

BNA_N

ClientSampleId :

SSTD0.423

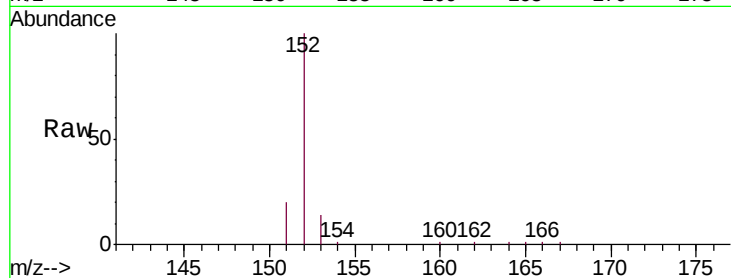
Tgt Ion:152 Resp: 11409

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

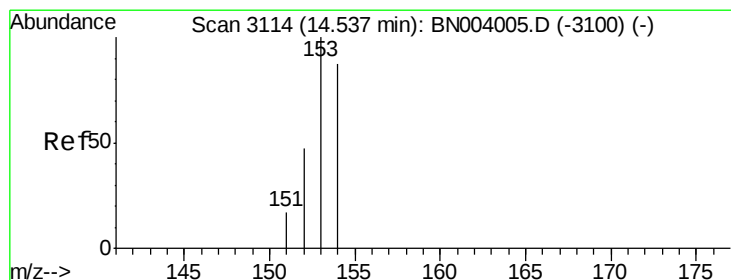
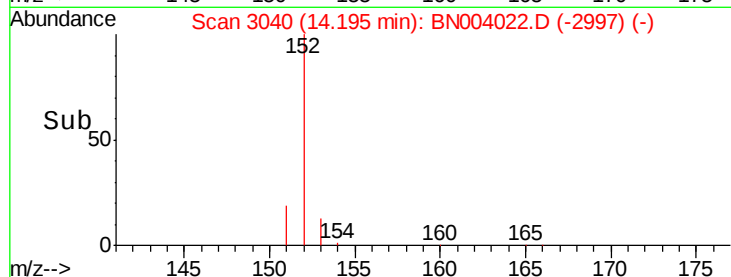
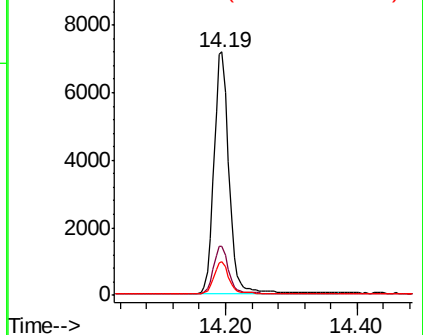
153 13.8 10.7 16.1



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: 0.385 ng/ul

RT: 14.53 min Scan# 3113

Delta R.T. -0.00 min

Lab File: BN004022.D

Acq: 17 Dec 2018 07:09

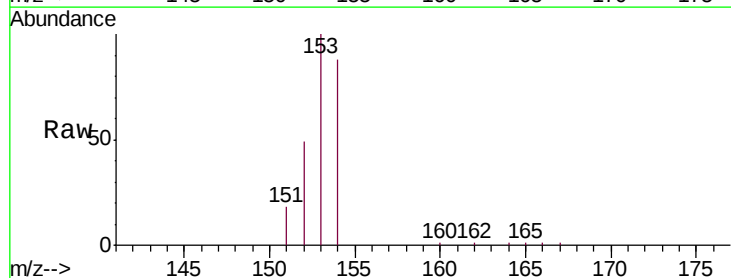
Tgt Ion:153 Resp: 8715

Ion Ratio Lower Upper

153 100

152 49.1 39.3 58.9

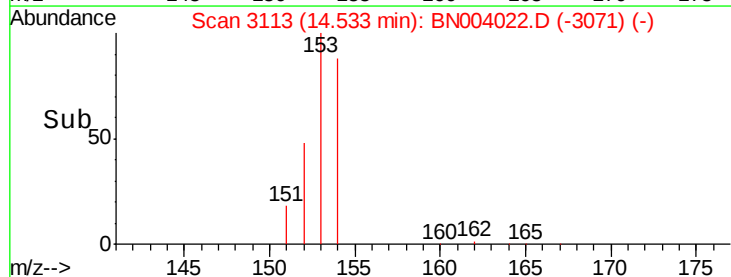
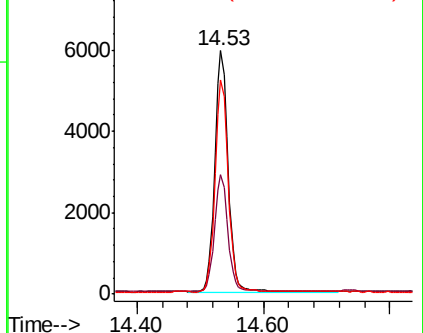
154 88.2 70.3 105.5

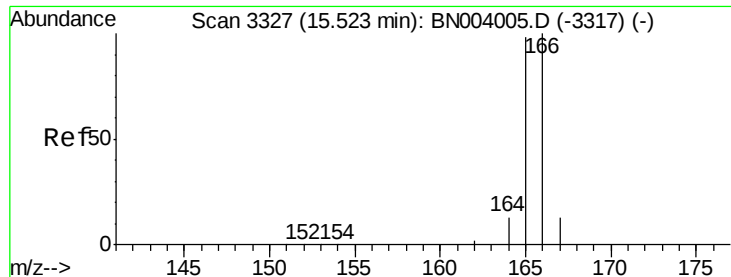


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.379 ng/ul

RT: 15.52 min Scan# 3327

Delta R.T. -0.00 min

Lab File: BN004022.D

Acq: 17 Dec 2018 07:09

Instrument :

BNA_N

ClientSampleId :

SSTD0.423

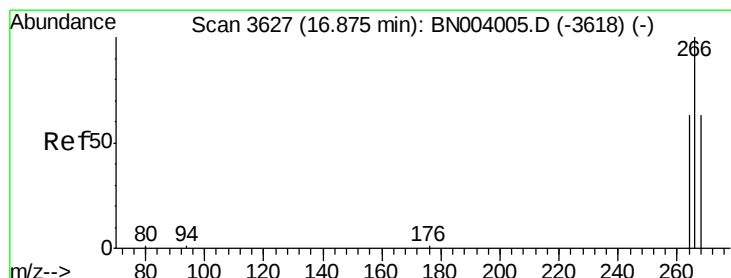
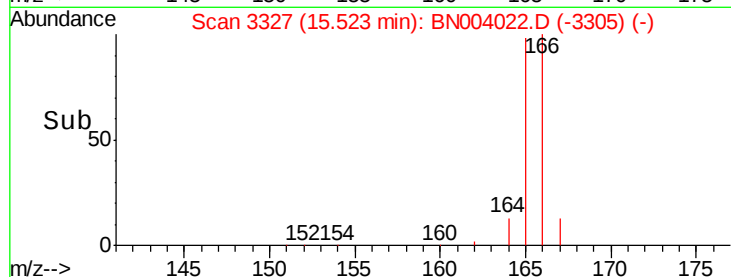
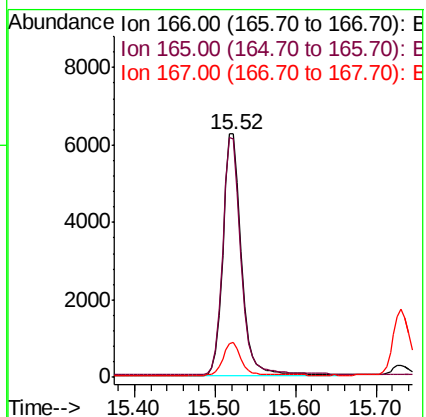
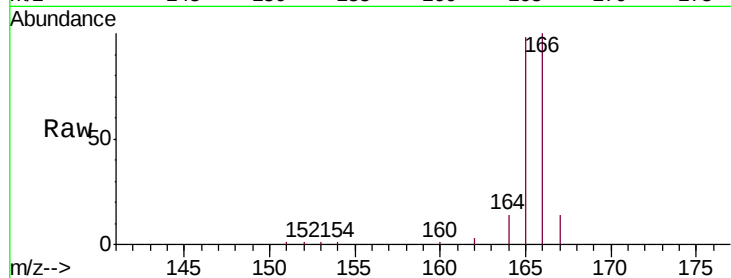
Tgt Ion:166 Resp: 9983

Ion Ratio Lower Upper

166 100

165 97.8 78.3 117.5

167 14.2 11.3 16.9



#11

Pentachlorophenol

Concen: 0.357 ng/ul

RT: 16.87 min Scan# 3626

Delta R.T. -0.00 min

Lab File: BN004022.D

Acq: 17 Dec 2018 07:09

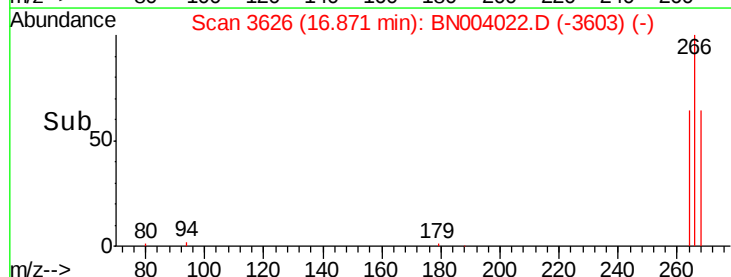
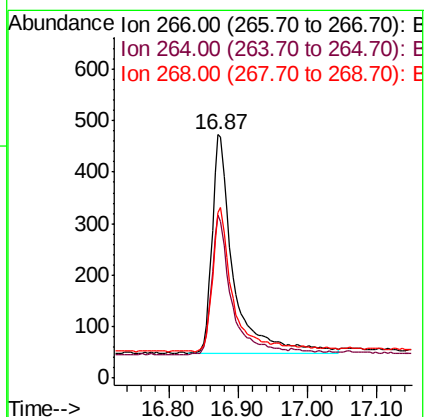
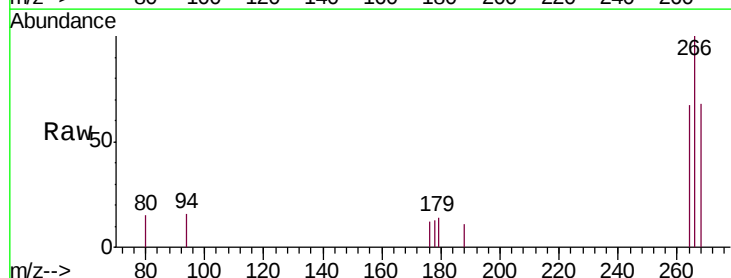
Tgt Ion:266 Resp: 912

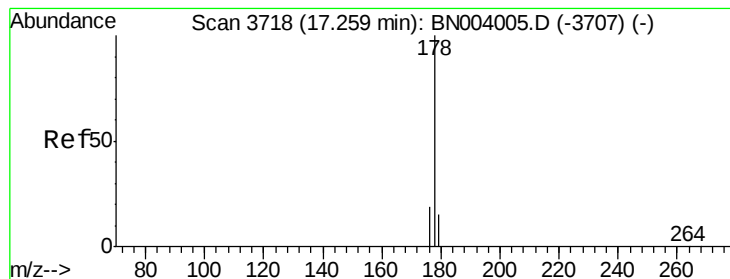
Ion Ratio Lower Upper

266 100

264 65.6 49.4 74.2

268 66.1 51.7 77.5





#12

Phenanthrene

Concen: 0.376 ng/ul

RT: 17.26 min Scan# 3718

Delta R.T. -0.00 min

Lab File: BN004022.D

Acq: 17 Dec 2018 07:09

Instrument :

BNA_N

ClientSampleId :

SSTD0.423

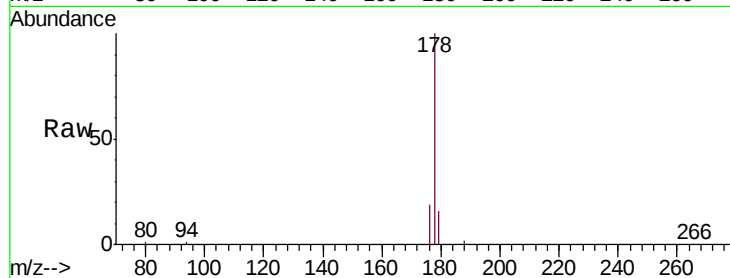
Tgt Ion:178 Resp: 17498

Ion Ratio Lower Upper

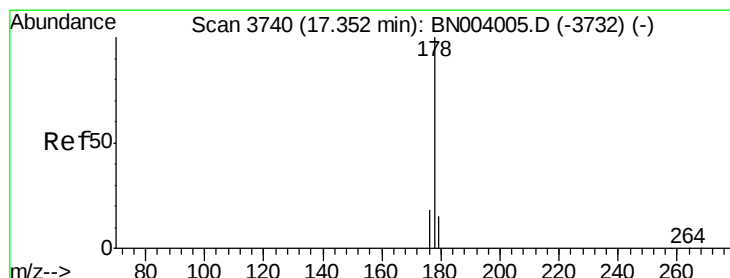
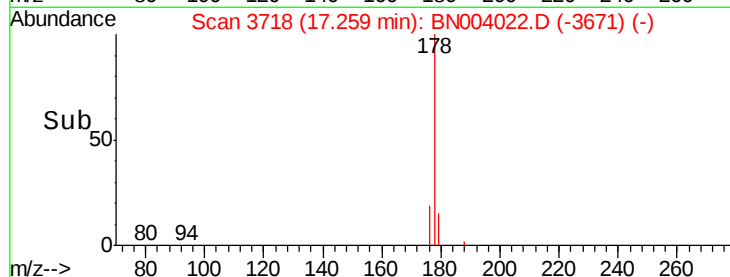
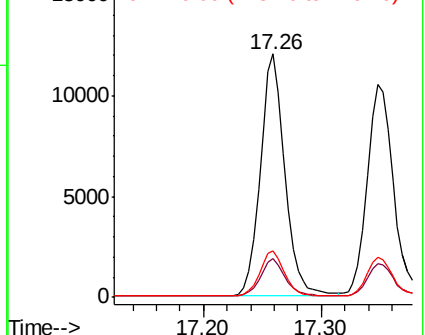
178 100

179 15.7 12.5 18.7

176 19.0 15.0 22.4



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: 0.431 ng/ul

RT: 17.35 min Scan# 3739

Delta R.T. -0.00 min

Lab File: BN004022.D

Acq: 17 Dec 2018 07:09

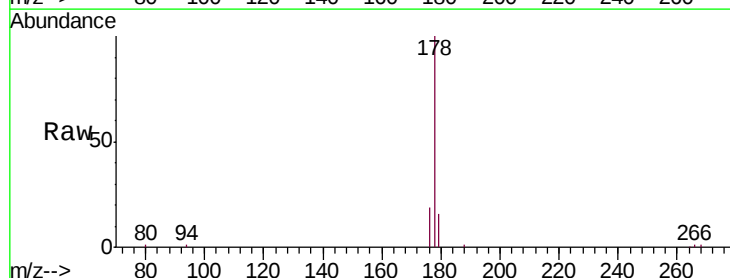
Tgt Ion:178 Resp: 16480

Ion Ratio Lower Upper

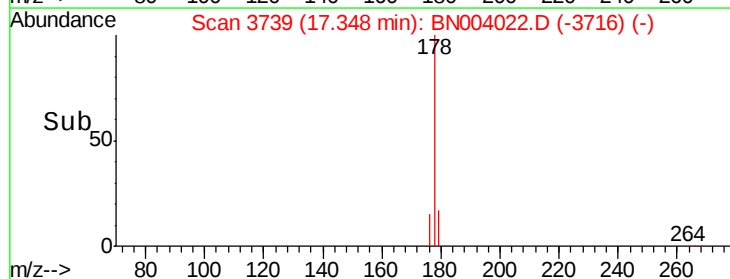
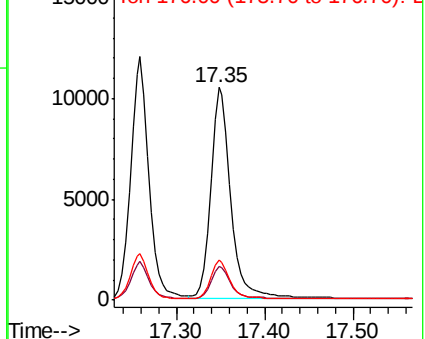
178 100

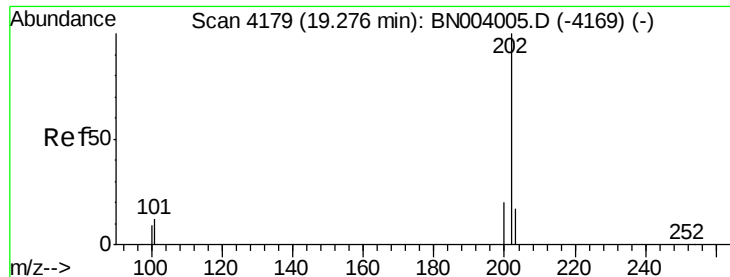
179 16.1 12.3 18.5

176 18.9 14.8 22.2



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

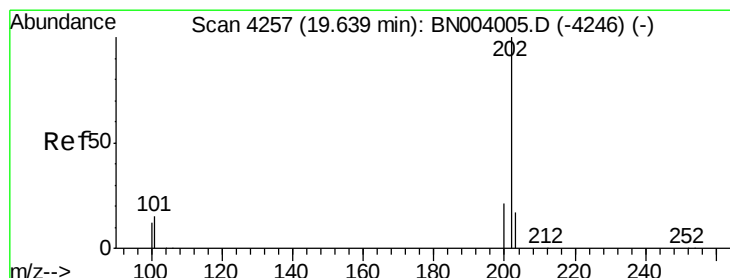
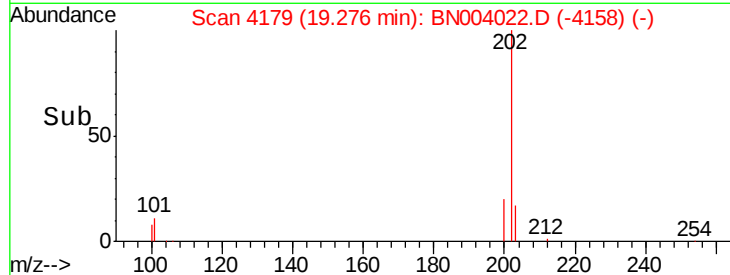
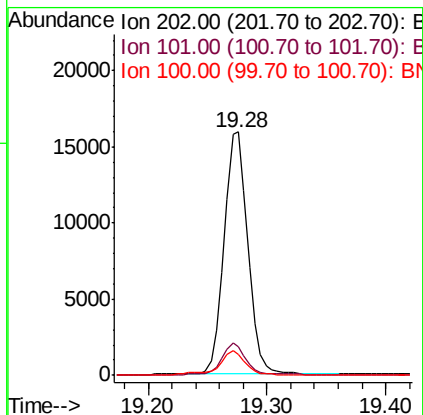
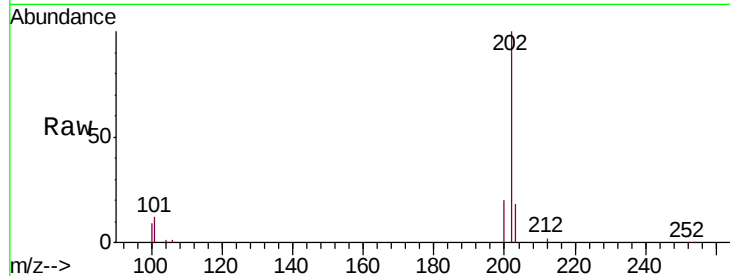




#15
Fluoranthene
Concen: 0.402 ng/ul
RT: 19.28 min Scan# 4179
Delta R.T. -0.00 min
Lab File: BN004022.D
Acq: 17 Dec 2018 07:09

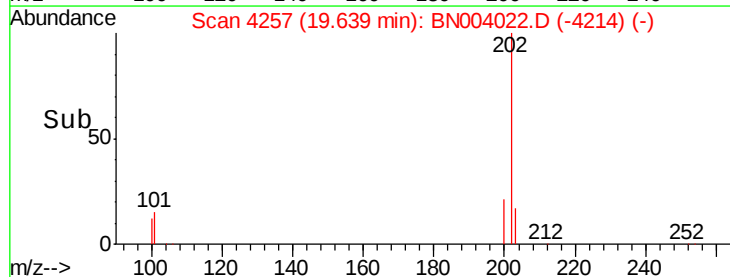
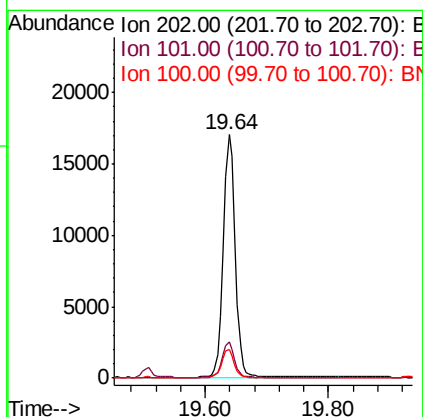
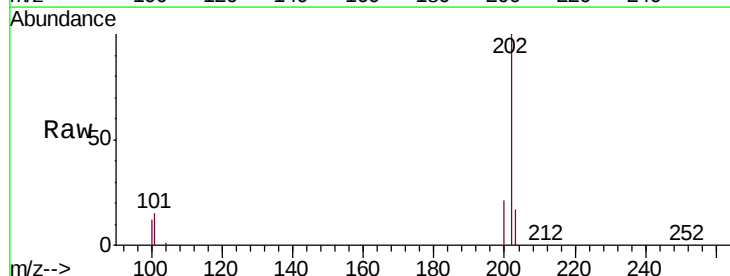
Instrument :
BNA_N
ClientSampleId :
SSTD0.423

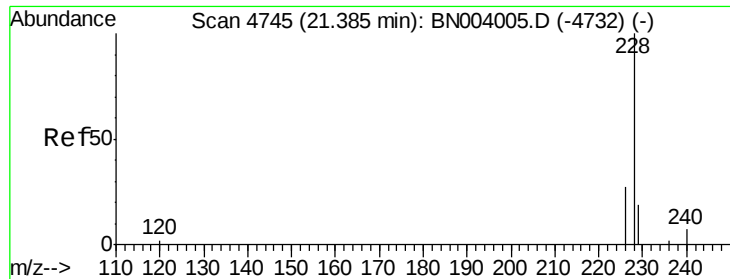
Tgt Ion:202 Resp: 22105
Ion Ratio Lower Upper
202 100
101 11.8 0.0 30.7
100 8.8 0.0 28.1



#17
Pyrene
Concen: 0.412 ng/ul
RT: 19.64 min Scan# 4257
Delta R.T. -0.00 min
Lab File: BN004022.D
Acq: 17 Dec 2018 07:09

Tgt Ion:202 Resp: 22767
Ion Ratio Lower Upper
202 100
101 15.1 10.3 15.5
100 11.9 8.5 12.7





#18

Benzo(a)anthracene

Concen: 0.430 ng/ul

RT: 21.39 min Scan# 4745

Delta R.T. 0.00 min

Lab File: BN004022.D

Acq: 17 Dec 2018 07:09

Instrument :

BNA_N

ClientSampleId :

SSTD0.423

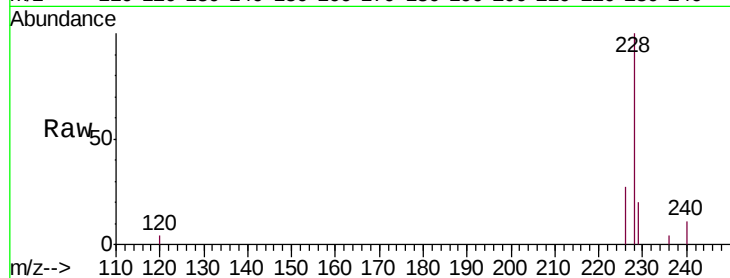
Tgt Ion:228 Resp: 20906

Ion Ratio Lower Upper

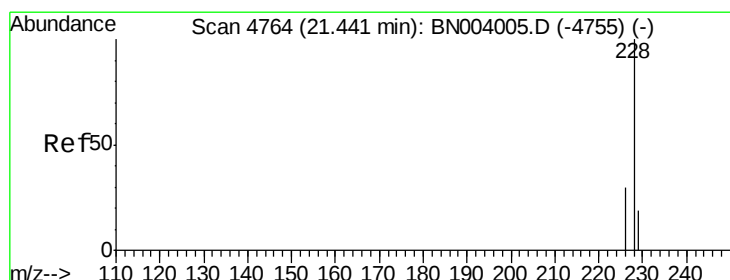
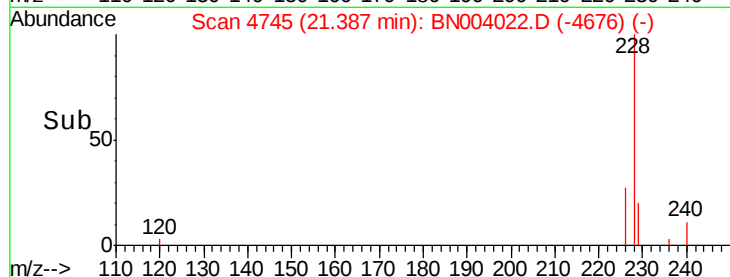
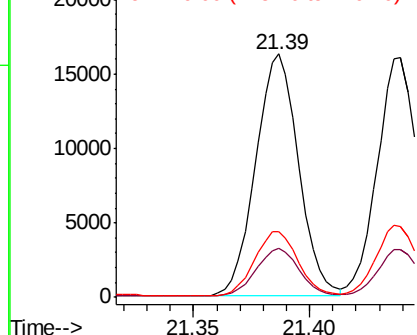
228 100

229 20.2 15.6 23.4

226 27.1 21.1 31.7



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: 0.366 ng/ul

RT: 21.44 min Scan# 4763

Delta R.T. -0.00 min

Lab File: BN004022.D

Acq: 17 Dec 2018 07:09

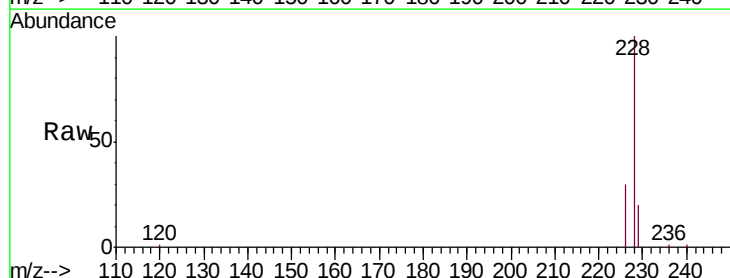
Tgt Ion:228 Resp: 20390

Ion Ratio Lower Upper

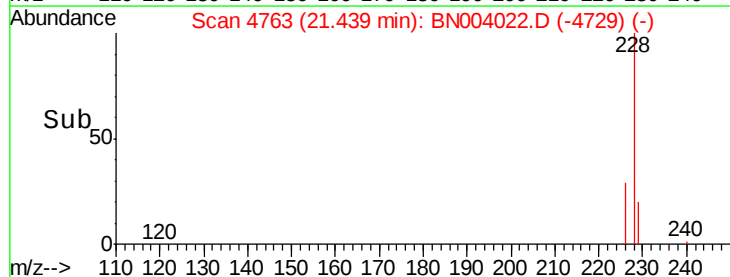
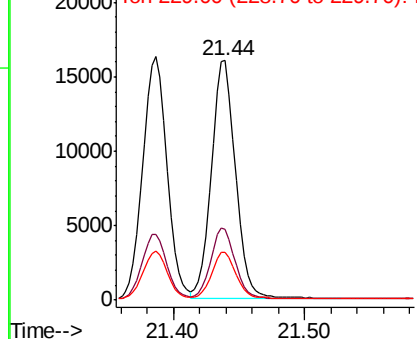
228 100

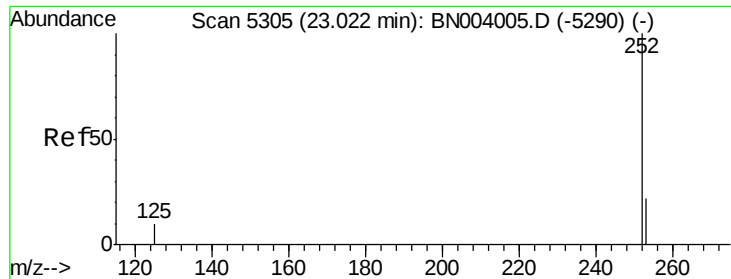
226 29.6 24.0 36.0

229 20.1 15.7 23.5



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: 0.348 ng/ul

RT: 23.02 min Scan# 5303

Delta R.T. -0.00 min

Lab File: BN004022.D

Acq: 17 Dec 2018 07:09

Instrument :

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SSTD0.423

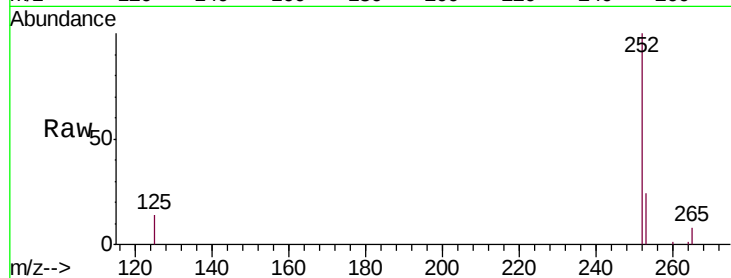
Tgt Ion:252 Resp: 19554

Ion Ratio Lower Upper

252 100

253 24.4 0.0 46.0

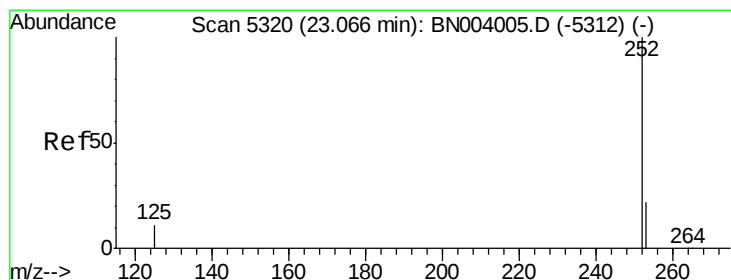
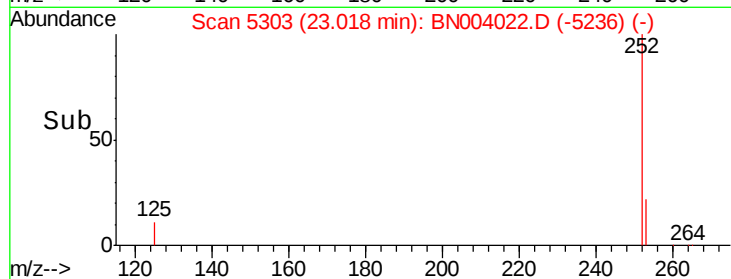
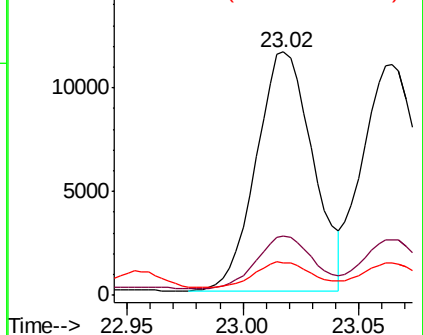
125 13.6 0.0 22.4



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: 0.359 ng/ul

RT: 23.06 min Scan# 5319

Delta R.T. -0.00 min

Lab File: BN004022.D

Acq: 17 Dec 2018 07:09

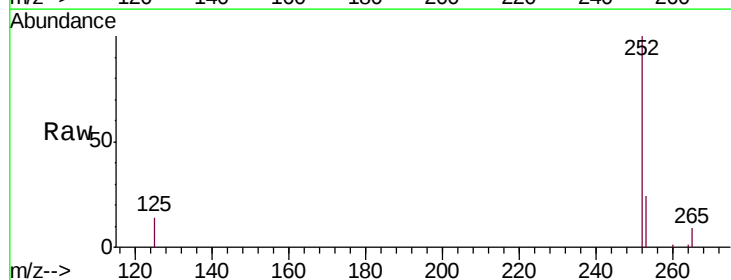
Tgt Ion:252 Resp: 19645

Ion Ratio Lower Upper

252 100

253 24.0 18.5 27.7

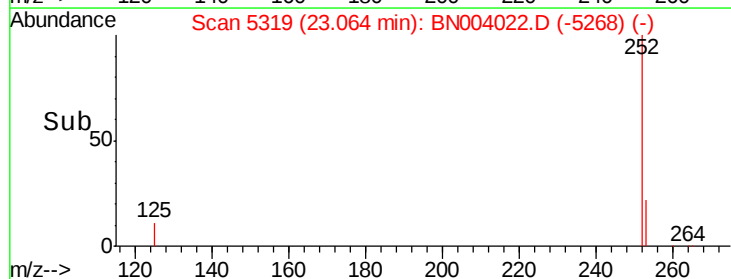
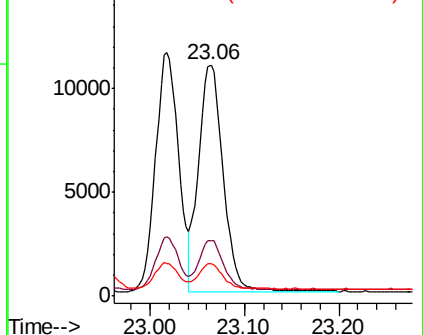
125 13.9 9.0 13.6#

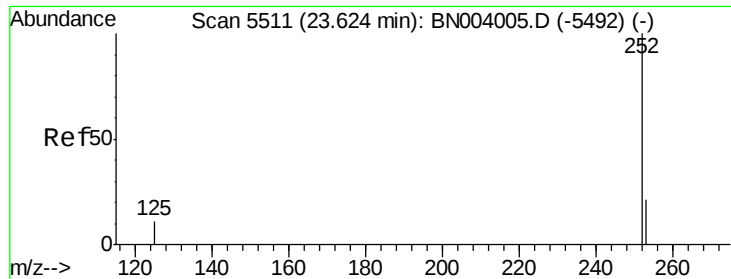


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.379 ng/u1

RT: 23.62 min Scan# 5509

Delta R.T. -0.00 min

Lab File: BN004022.D

Acq: 17 Dec 2018 07:09

Instrument :

BNA_N

ClientSampleId :

SSTD0.423

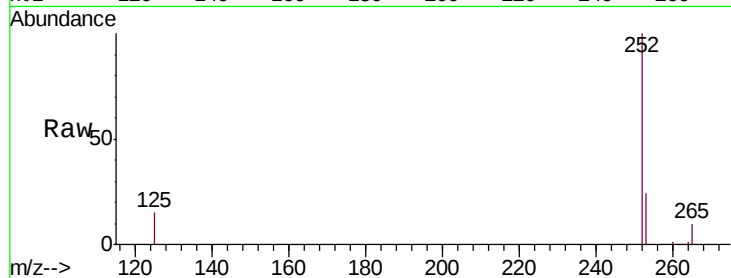
Tgt Ion:252 Resp: 18416

Ion Ratio Lower Upper

252 100

253 24.4 19.0 28.4

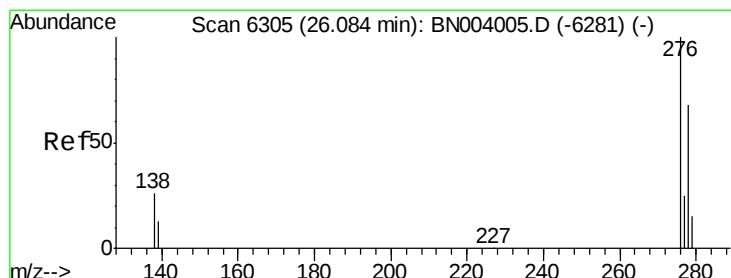
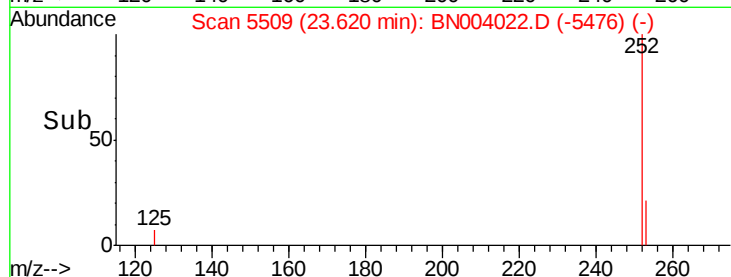
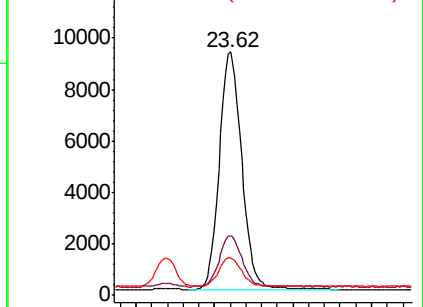
125 15.4 10.2 15.4#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.379 ng/u1

RT: 26.08 min Scan# 6304

Delta R.T. -0.00 min

Lab File: BN004022.D

Acq: 17 Dec 2018 07:09

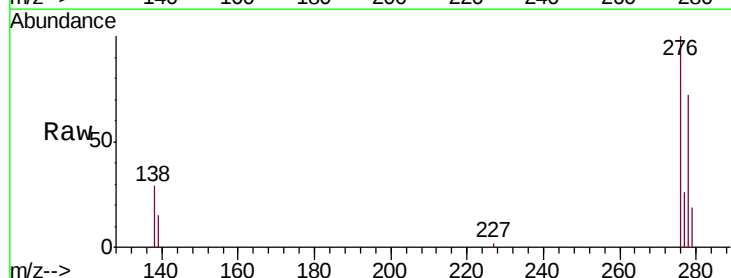
Tgt Ion:276 Resp: 21160

Ion Ratio Lower Upper

276 100

138 26.7 20.3 30.5

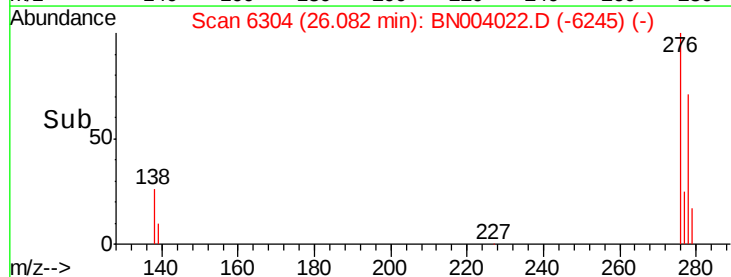
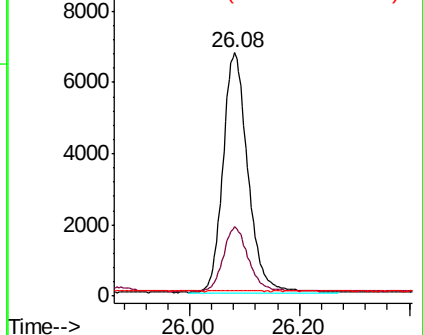
227 0.0 0.2 0.2#

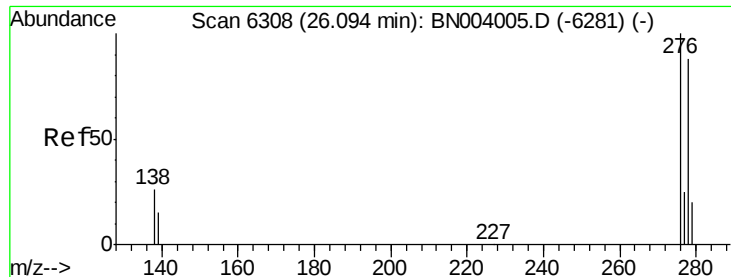


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.381 ng/ul

RT: 26.09 min Scan# 6307

Delta R.T. -0.00 min

Lab File: BN004022.D

Acq: 17 Dec 2018 07:09

Instrument :

BNA_N

ClientSampleId :

SSTD0.423

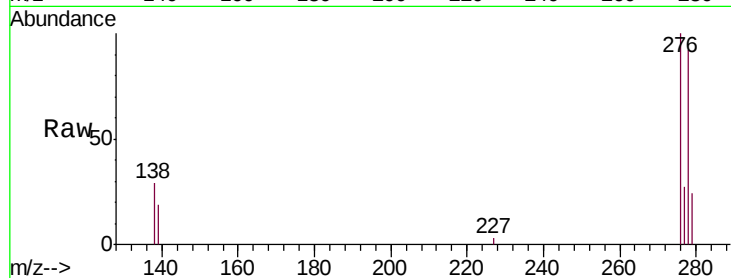
Tgt Ion:278 Resp: 17089

Ion Ratio Lower Upper

278 100

139 20.4 14.2 21.4

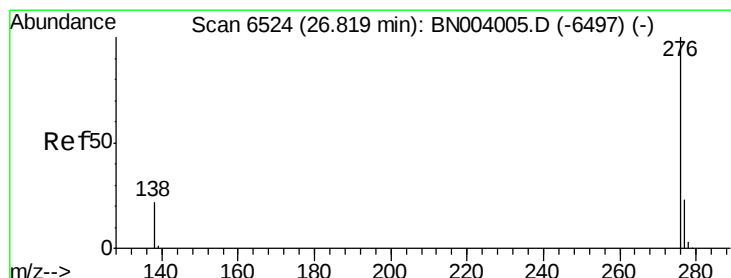
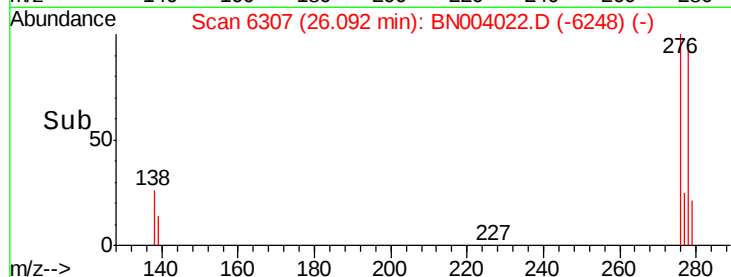
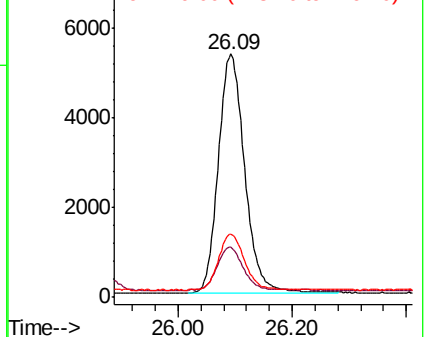
279 25.9 19.8 29.6



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: 0.365 ng/ul

RT: 26.81 min Scan# 6521

Delta R.T. -0.01 min

Lab File: BN004022.D

Acq: 17 Dec 2018 07:09

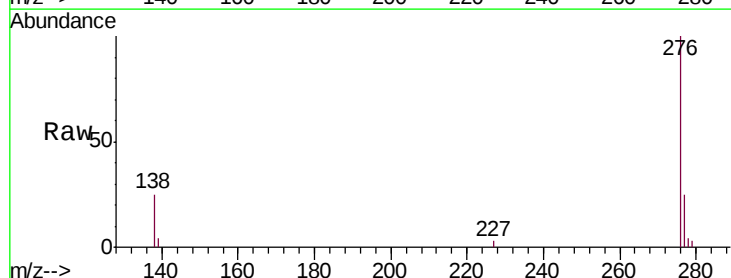
Tgt Ion:276 Resp: 17672

Ion Ratio Lower Upper

276 100

138 24.8 17.7 26.5

277 25.3 19.3 28.9



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

