

Data File : BN004115.D
Acq On : 19 Dec 2018 16:07
Operator : JU/SJ
Sample : SSTDC00.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.432

Quant Time: Dec 20 04:46:08 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 : Thu Dec 20 04:42:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1088	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	5954	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	3667	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.22	188	9264	0.40	ng/ul	0.00
16) Chrysene-d12	21.40	240	9878	0.40	ng/ul	0.00
20) Perylene-d12	23.72	264	9074	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	3802	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	11281	0.42	ng/ul	0.00

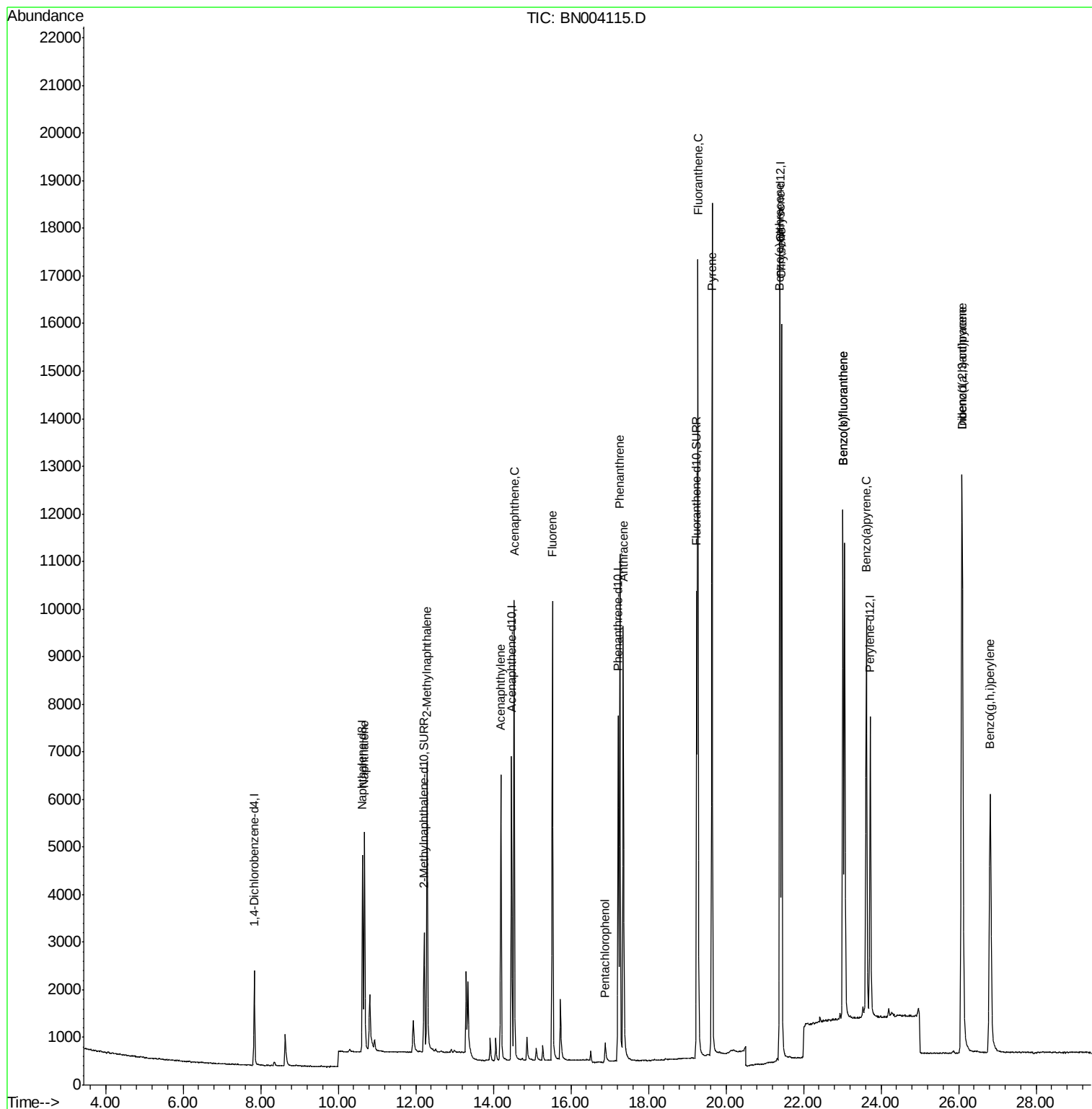
Target Compounds						Qvalue
3) Naphthalene	10.68	128	6635	0.397	ng/ul	97
5) 2-Methylnaphthalene	12.29	142	4983	0.427	ng/ul	99
7) Acenaphthylene	14.19	152	7567	0.458	ng/ul	99
8) Acenaphthene	14.53	153	5825	0.403	ng/ul	99
9) Fluorene	15.52	166	6734	0.399	ng/ul	99
11) Pentachlorophenol	16.88	266	504	0.302	ng/ul	97
12) Phenanthrene	17.26	178	12014	0.395	ng/ul	99
13) Anthracene	17.35	178	11312	0.453	ng/ul	99
15) Fluoranthene	19.28	202	15069	0.420	ng/ul	97
17) Pyrene	19.64	202	15232	0.430	ng/ul	95
18) Benzo(a)anthracene	21.38	228	13987	0.448	ng/ul	98
19) Chrysene	21.44	228	14161	0.397	ng/ul	100
21) Benzo(b)fluoranthene	23.01	252	13569	0.361	ng/ul	96
22) Benzo(k)fluoranthene	23.01	252	13569	0.371	ng/ul	96
23) Benzo(a)pyrene	23.62	252	12942	0.398	ng/ul#	96
24) Indeno(1,2,3-cd)pyrene	26.09	276	15185	0.407	ng/ul#	96
25) Dibenzo(a,h)anthracene	26.09	278	12258	0.409	ng/ul	96
26) Benzo(g,h,i)perylene	26.82	276	12733	0.393	ng/ul	95

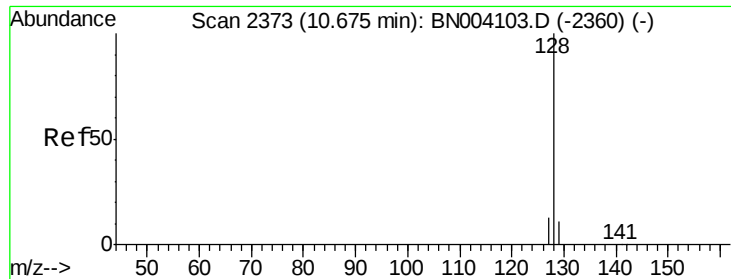
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_N
ClientSampleId :
SSTD0.432

Quant Time: Dec 20 04:46:08 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 : Thu Dec 20 04:42:11 2018
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.397 ng/ul

RT: 10.68 min Scan# 2373

Delta R.T. -0.00 min

Lab File: BN004115.D

Acq: 19 Dec 2018 16:07

Instrument :

BNA_N

ClientSampleId :

SSTD0.432

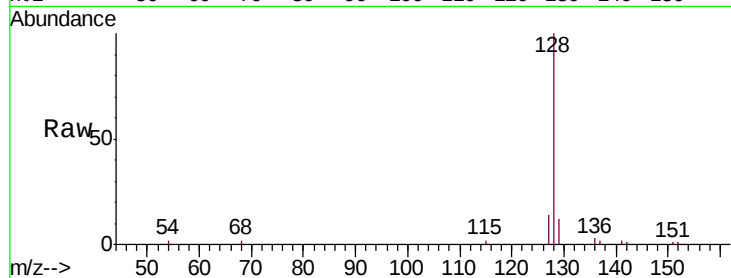
Tgt Ion:128 Resp: 6635

Ion Ratio Lower Upper

128 100

129 12.5 9.0 13.6

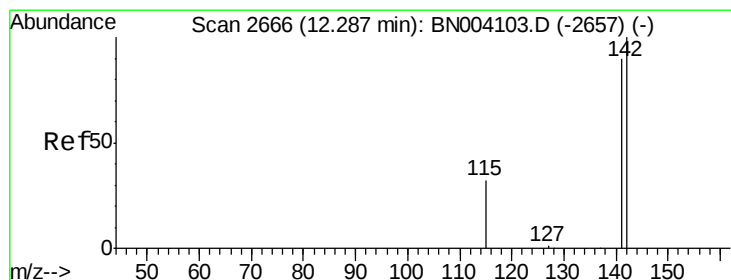
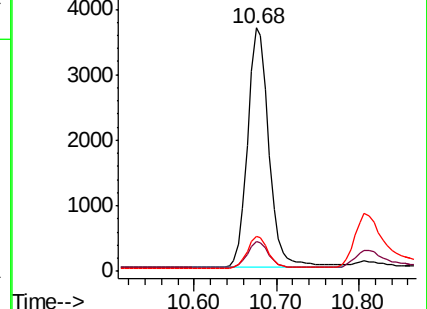
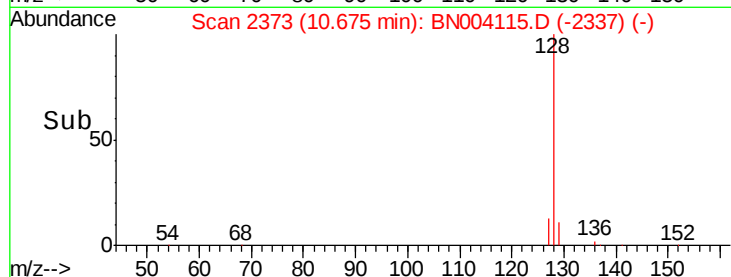
127 14.3 10.5 15.7



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: 0.427 ng/ul

RT: 12.29 min Scan# 2667

Delta R.T. 0.01 min

Lab File: BN004115.D

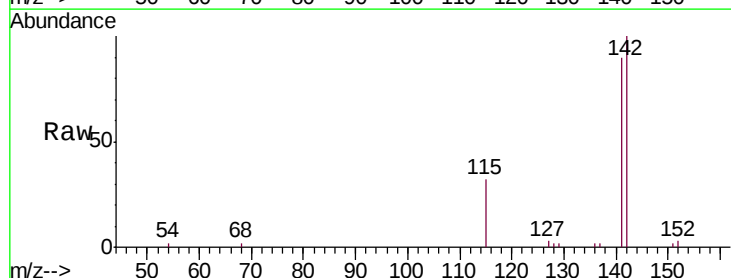
Acq: 19 Dec 2018 16:07

Tgt Ion:142 Resp: 4983

Ion Ratio Lower Upper

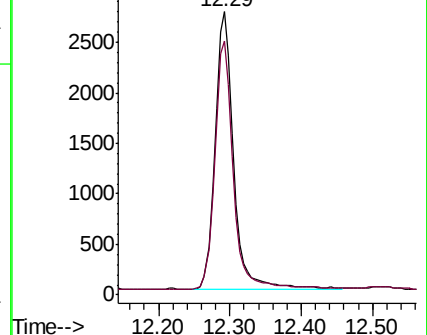
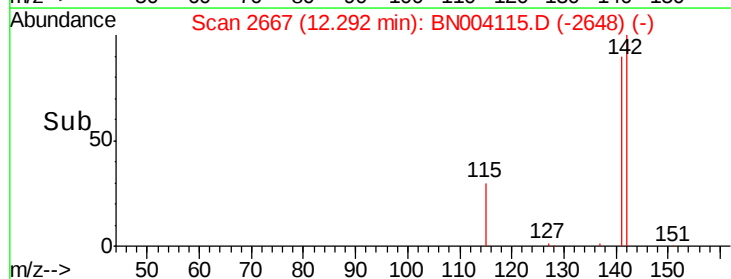
142 100

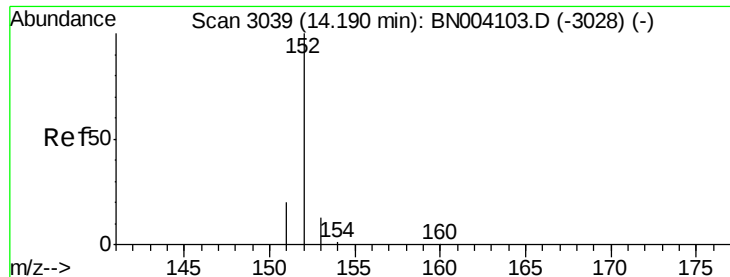
141 90.1 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.458 ng/ul

RT: 14.19 min Scan# 3040

Delta R.T. 0.00 min

Lab File: BN004115.D

Acq: 19 Dec 2018 16:07

Instrument :

BNA_N

ClientSampleId :

SSTD0.432

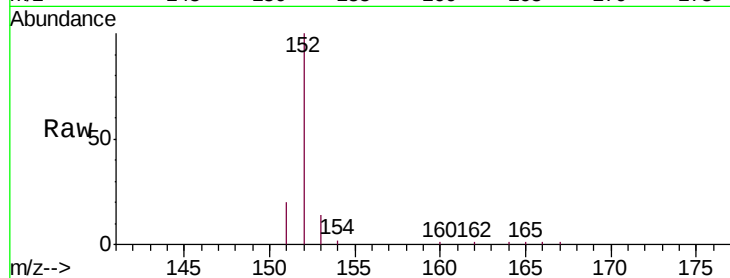
Tgt Ion:152 Resp: 7567

Ion Ratio Lower Upper

152 100

151 20.3 15.9 23.9

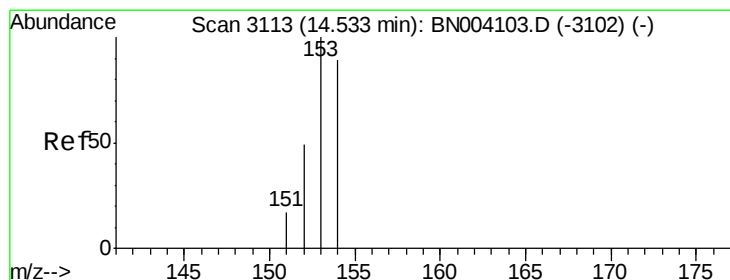
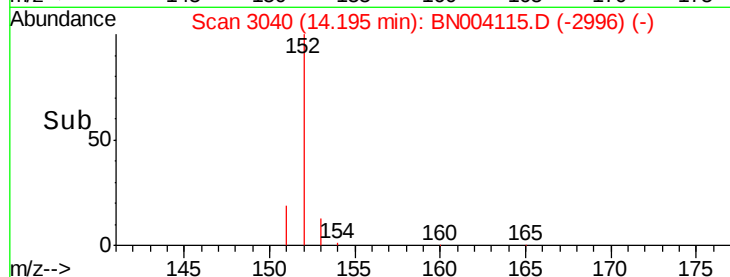
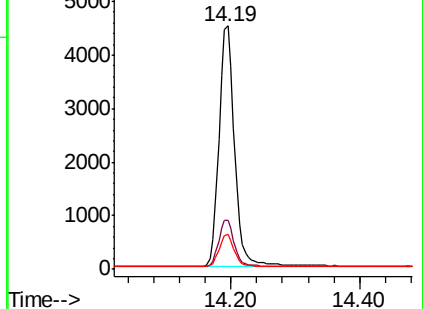
153 14.3 10.7 16.1



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: 0.403 ng/ul

RT: 14.53 min Scan# 3113

Delta R.T. -0.00 min

Lab File: BN004115.D

Acq: 19 Dec 2018 16:07

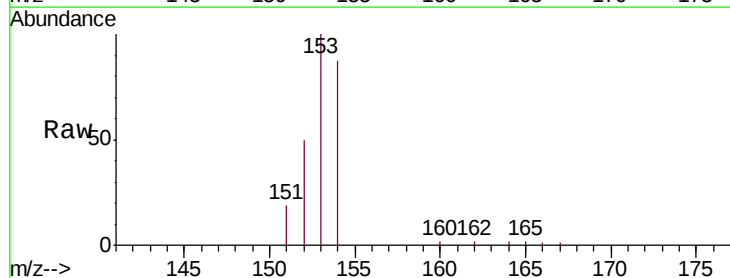
Tgt Ion:153 Resp: 5825

Ion Ratio Lower Upper

153 100

152 50.1 39.3 58.9

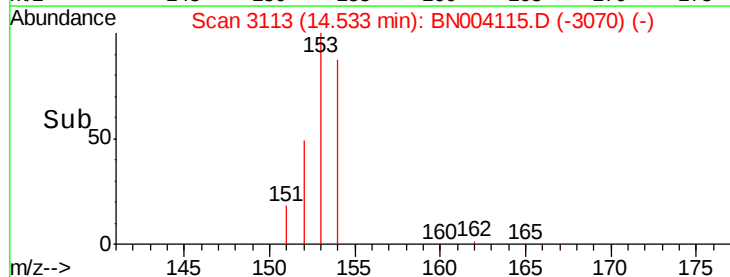
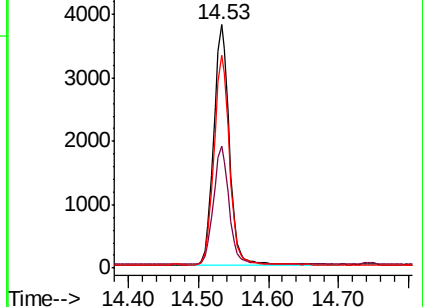
154 87.2 70.3 105.5

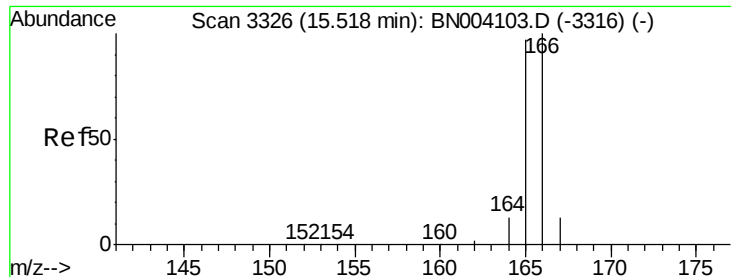


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.399 ng/ul

RT: 15.52 min Scan# 3327

Delta R.T. 0.00 min

Lab File: BN004115.D

Acq: 19 Dec 2018 16:07

Instrument :

BNA_N

ClientSampleId :

SSTD0.432

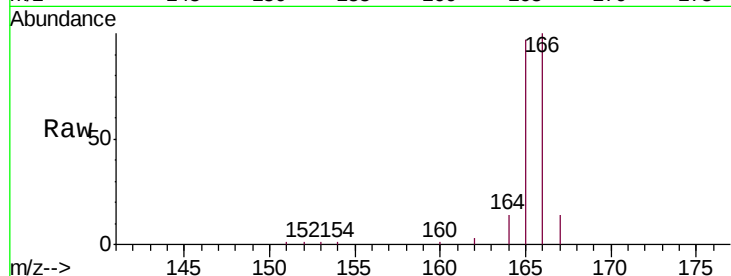
Tgt Ion:166 Resp: 6734

Ion Ratio Lower Upper

166 100

165 97.1 78.3 117.5

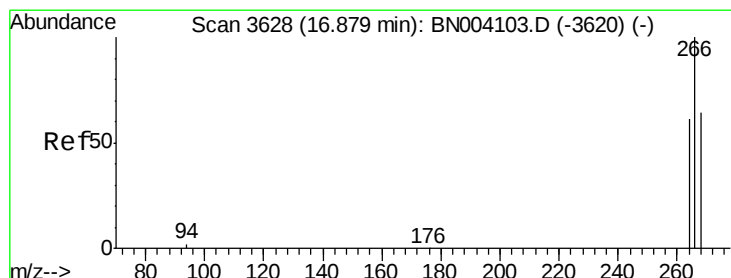
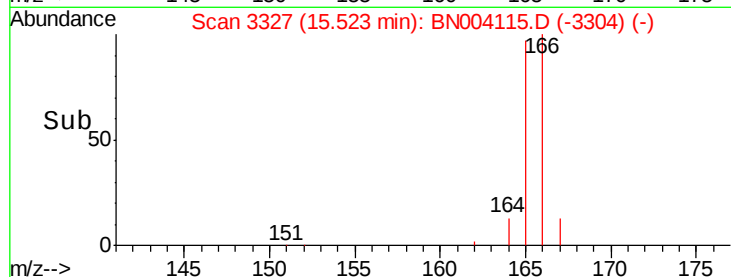
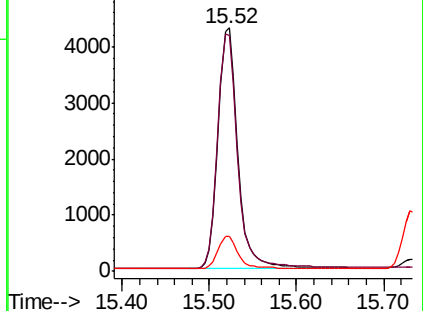
167 14.5 11.3 16.9



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: 0.302 ng/ul

RT: 16.88 min Scan# 3629

Delta R.T. 0.00 min

Lab File: BN004115.D

Acq: 19 Dec 2018 16:07

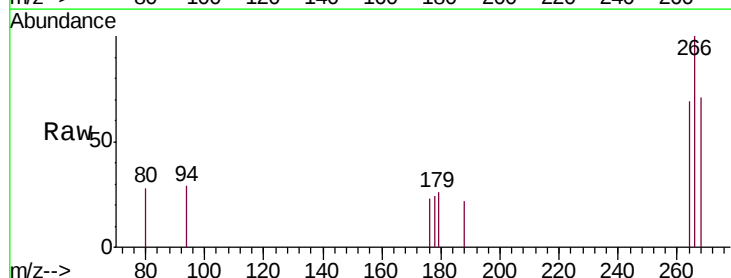
Tgt Ion:266 Resp: 504

Ion Ratio Lower Upper

266 100

264 58.5 49.4 74.2

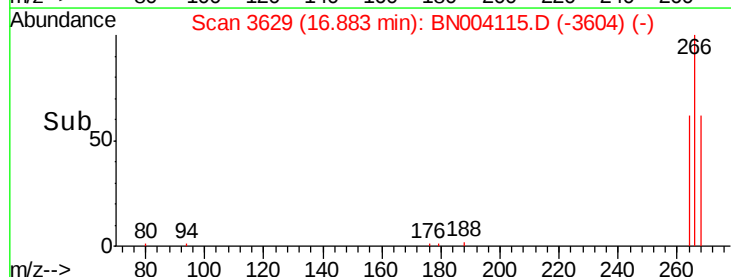
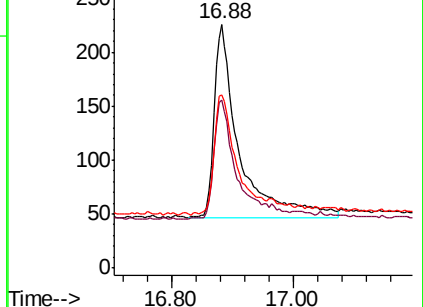
268 65.7 51.7 77.5

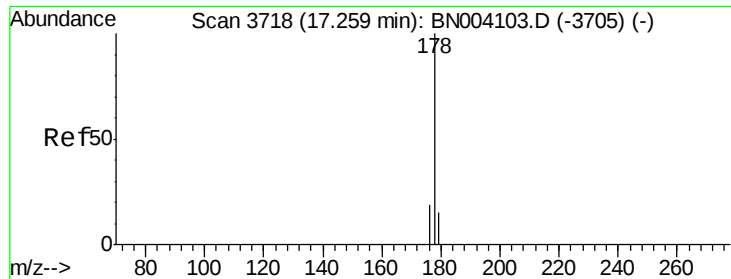


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.395 ng/ul

RT: 17.26 min Scan# 3718

Delta R.T. -0.00 min

Lab File: BN004115.D

Acq: 19 Dec 2018 16:07

Instrument :

BNA_N

ClientSampleId :

SSTD0.432

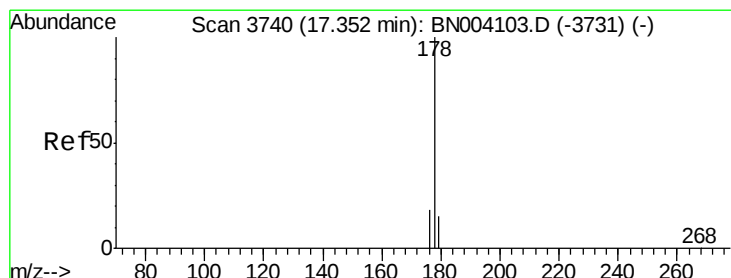
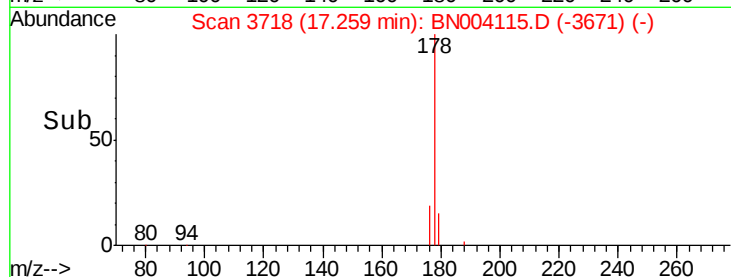
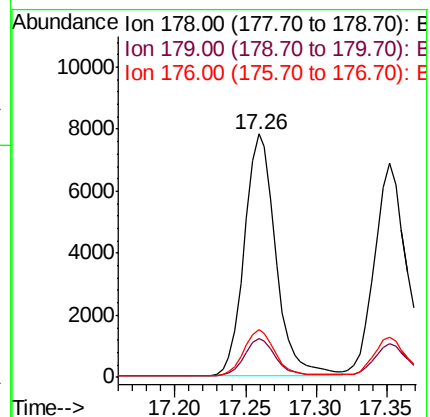
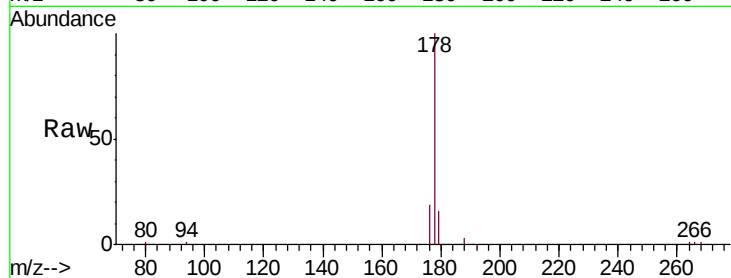
Tgt Ion:178 Resp: 12014

Ion Ratio Lower Upper

178 100

179 15.8 12.5 18.7

176 19.5 15.0 22.4



#13

Anthracene

Concen: 0.453 ng/ul

RT: 17.35 min Scan# 3740

Delta R.T. -0.00 min

Lab File: BN004115.D

Acq: 19 Dec 2018 16:07

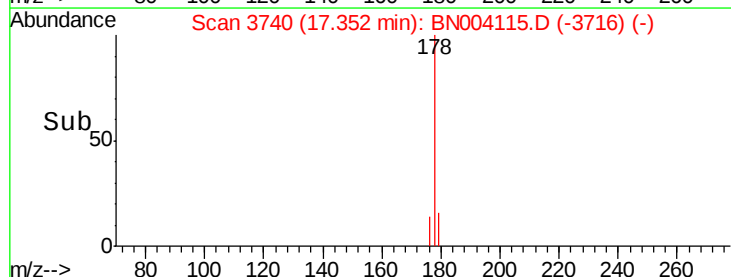
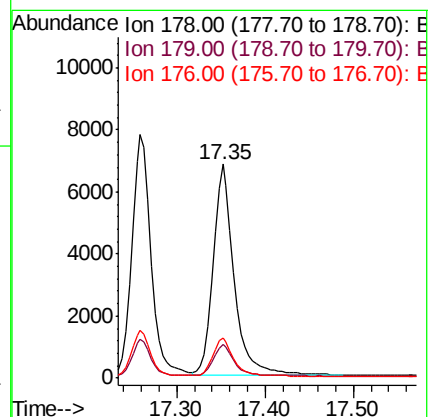
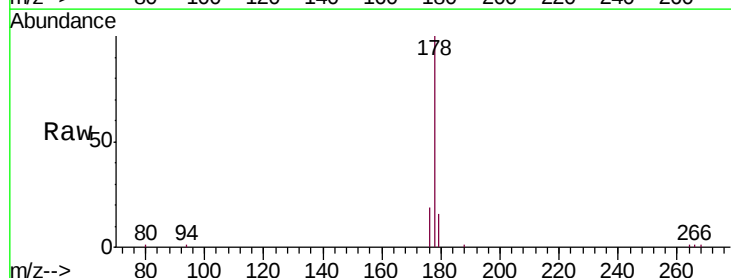
Tgt Ion:178 Resp: 11312

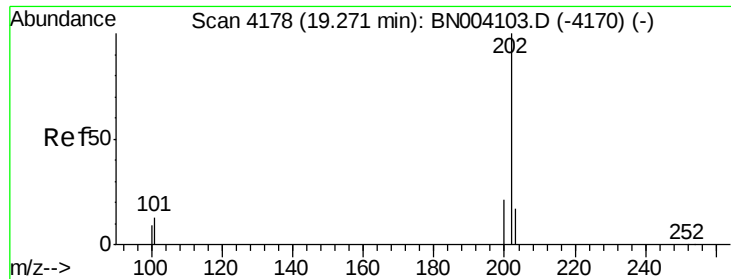
Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

176 18.8 14.8 22.2





#15

Fluoranthene

Concen: 0.420 ng/ul

RT: 19.28 min Scan# 4179

Delta R.T. 0.00 min

Lab File: BN004115.D

Acq: 19 Dec 2018 16:07

Instrument :

BNA_N

ClientSampleId :

SSTD0.432

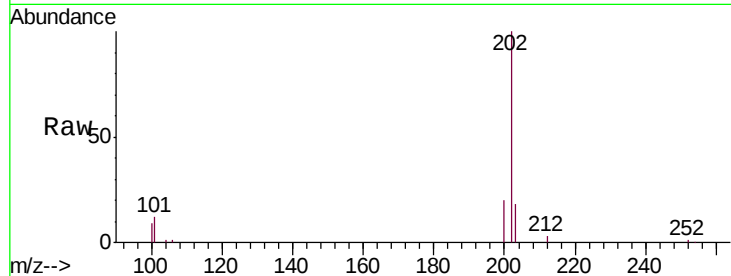
Tgt Ion:202 Resp: 15069

Ion Ratio Lower Upper

202 100

101 12.2 0.0 30.7

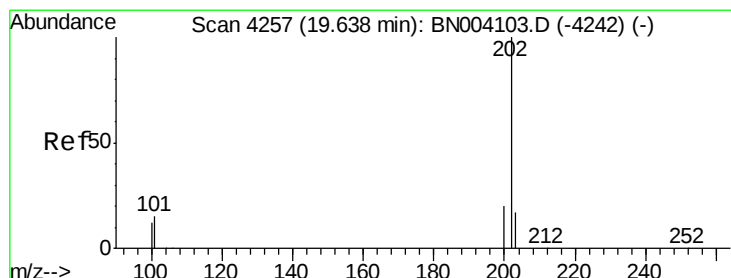
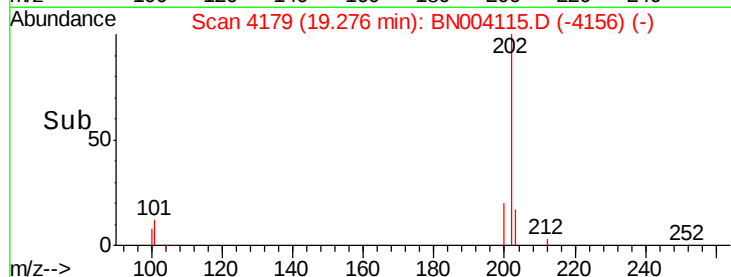
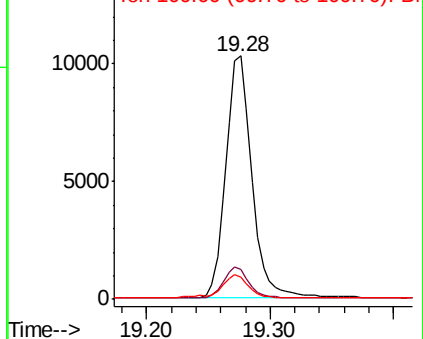
100 8.9 0.0 28.1



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: 0.430 ng/ul

RT: 19.64 min Scan# 4257

Delta R.T. -0.00 min

Lab File: BN004115.D

Acq: 19 Dec 2018 16:07

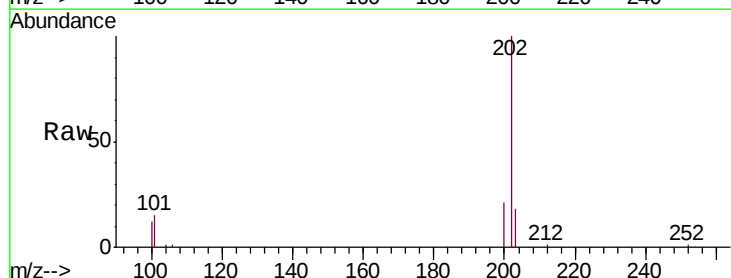
Tgt Ion:202 Resp: 15232

Ion Ratio Lower Upper

202 100

101 15.0 10.3 15.5

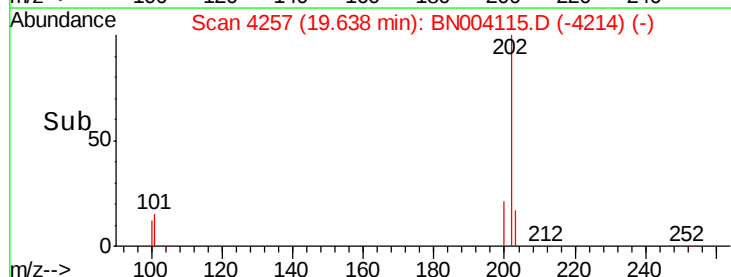
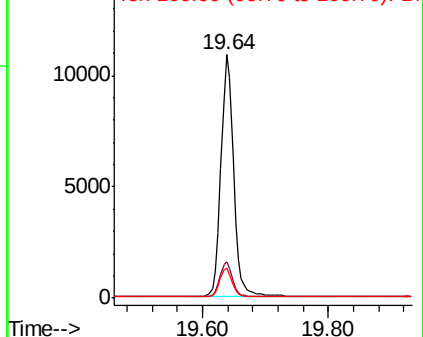
100 12.2 8.5 12.7

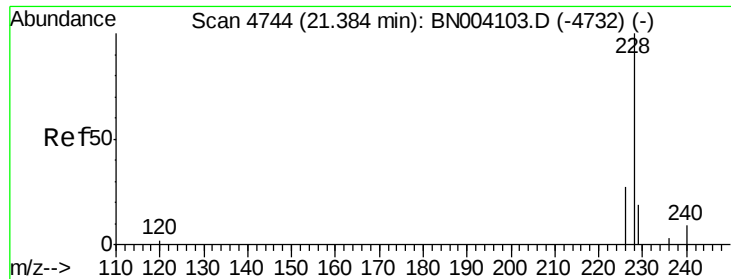


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.448 ng/ul

RT: 21.38 min Scan# 4744

Delta R.T. -0.00 min

Lab File: BN004115.D

Acq: 19 Dec 2018 16:07

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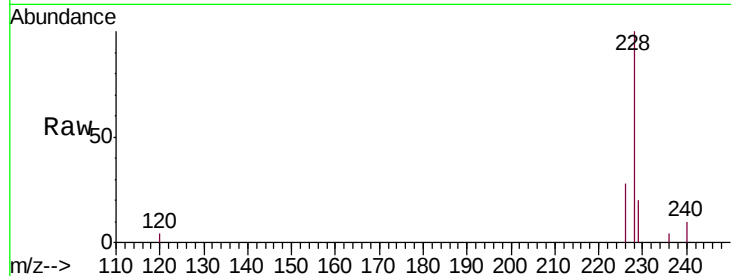
Tgt Ion:228 Resp: 13987

Ion Ratio Lower Upper

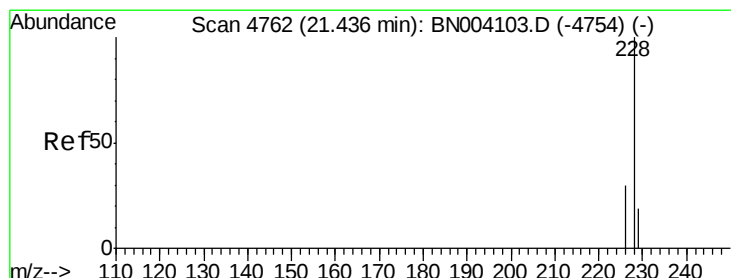
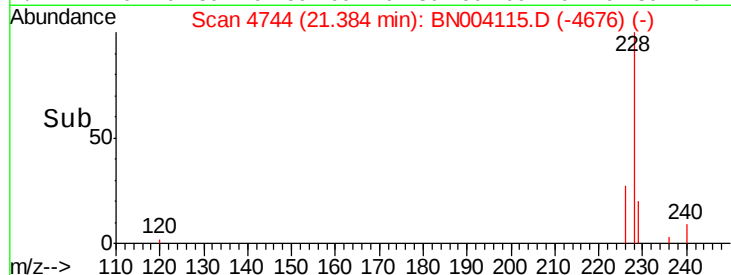
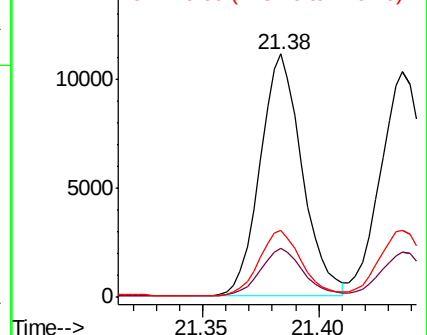
228 100

229 20.1 15.6 23.4

226 27.6 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: 0.397 ng/ul

RT: 21.44 min Scan# 4762

Delta R.T. -0.00 min

Lab File: BN004115.D

Acq: 19 Dec 2018 16:07

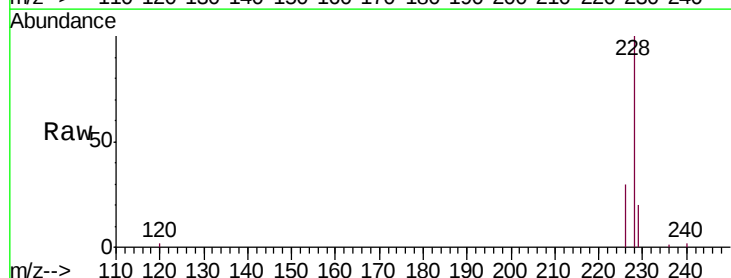
Tgt Ion:228 Resp: 14161

Ion Ratio Lower Upper

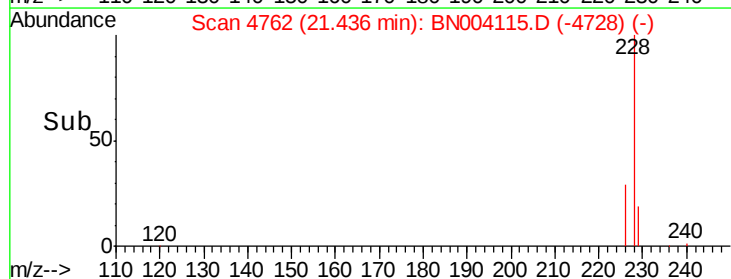
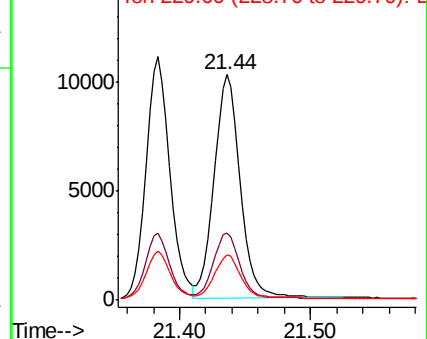
228 100

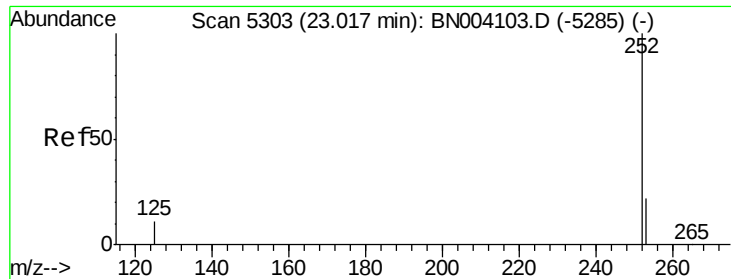
226 29.9 24.0 36.0

229 20.0 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: 0.361 ng/u1

RT: 23.01 min Scan# 5302

Delta R.T. -0.00 min

Lab File: BN004115.D

Acq: 19 Dec 2018 16:07

Instrument :

BNA_N

ClientSampleId :

SSTD0.432

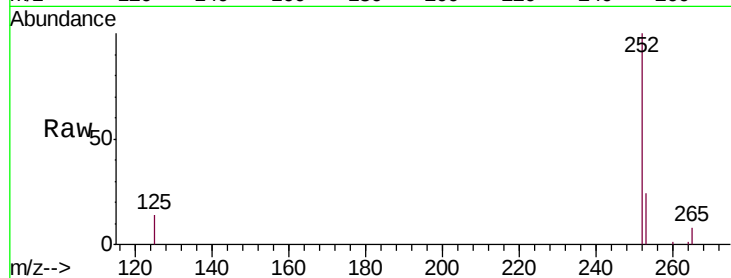
Tgt Ion:252 Resp: 13569

Ion Ratio Lower Upper

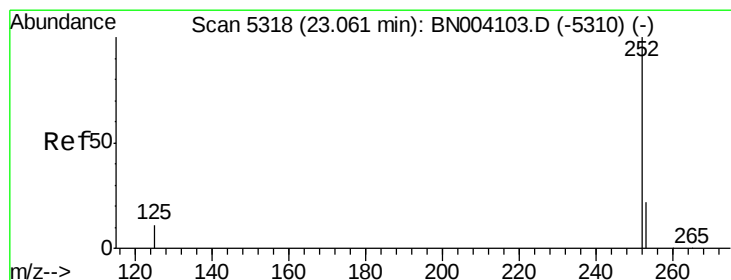
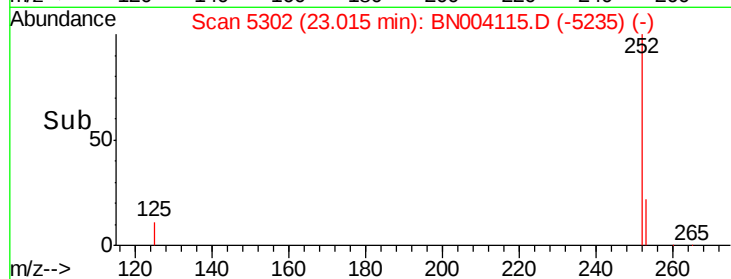
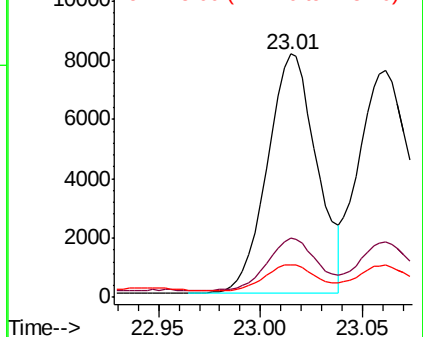
252 100

253 24.3 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: 0.371 ng/u1

RT: 23.01 min Scan# 5302

Delta R.T. -0.05 min

Lab File: BN004115.D

Acq: 19 Dec 2018 16:07

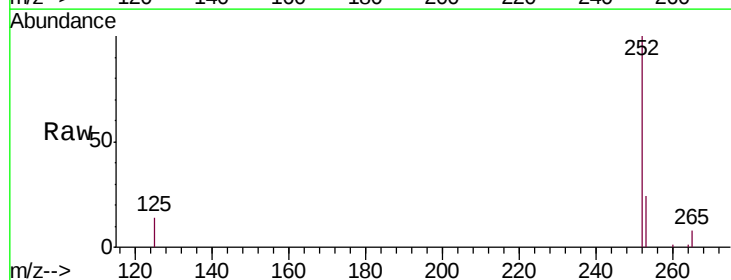
Tgt Ion:252 Resp: 13569

Ion Ratio Lower Upper

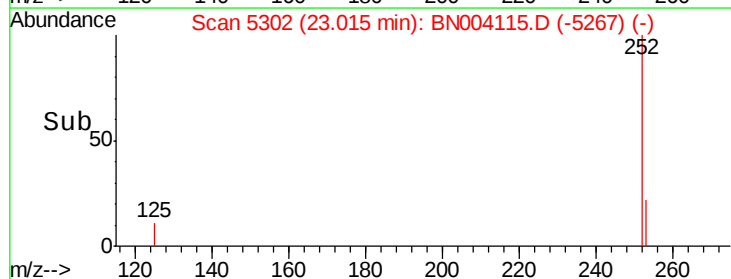
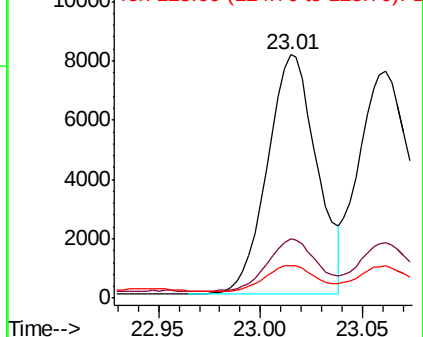
252 100

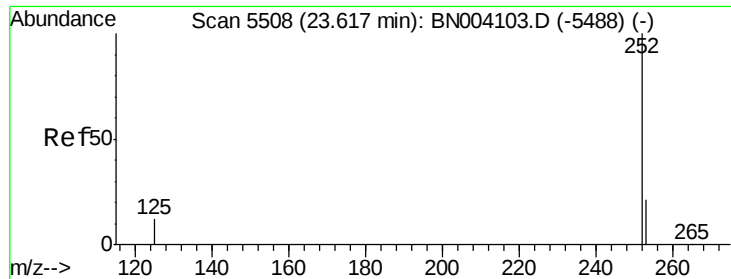
253 24.3 18.5 27.7

125 13.6 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: 0.398 ng/u1

RT: 23.62 min Scan# 5509

Delta R.T. 0.00 min

Lab File: BN004115.D

Acq: 19 Dec 2018 16:07

Instrument :

BNA_N

ClientSampleId :

SSTD0.432

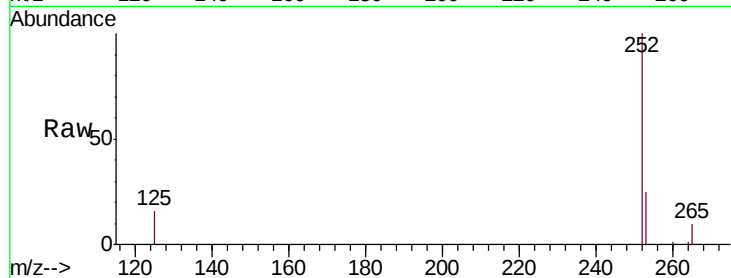
Tgt Ion:252 Resp: 12942

Ion Ratio Lower Upper

252 100

253 24.7 19.0 28.4

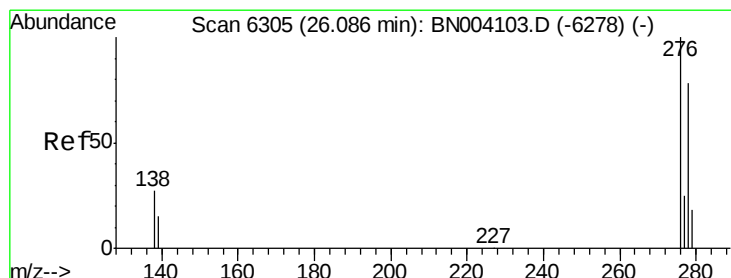
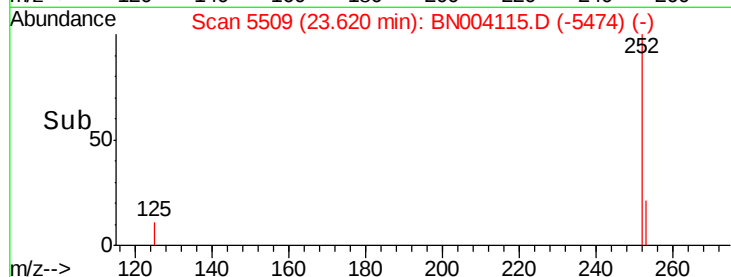
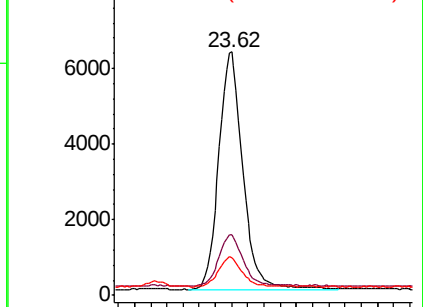
125 15.6 10.2 15.4#



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: 0.407 ng/u1

RT: 26.09 min Scan# 6305

Delta R.T. -0.00 min

Lab File: BN004115.D

Acq: 19 Dec 2018 16:07

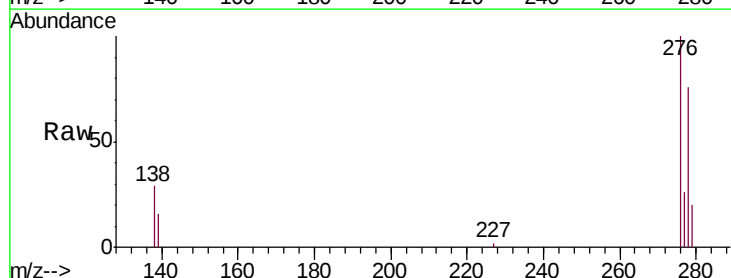
Tgt Ion:276 Resp: 15185

Ion Ratio Lower Upper

276 100

138 27.2 20.3 30.5

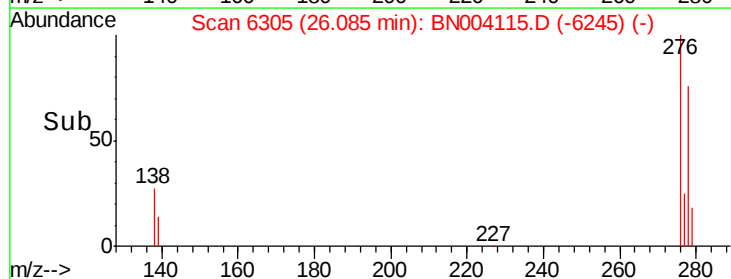
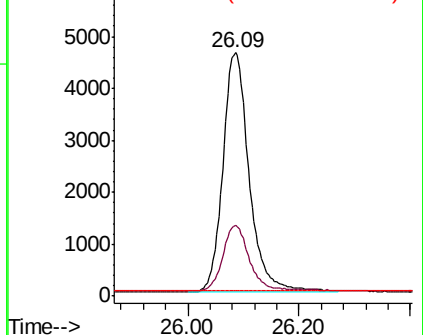
227 0.1 0.2 0.2#

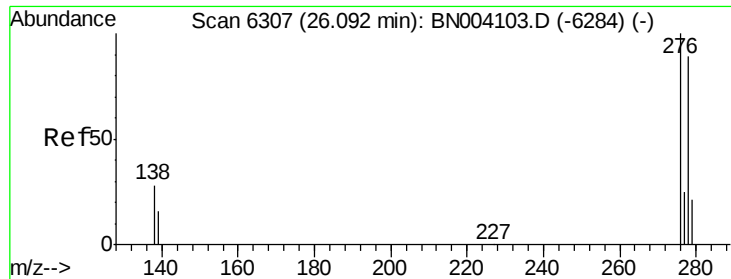


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.409 ng/u1

RT: 26.09 min Scan# 6307

Delta R.T. -0.00 min

Lab File: BN004115.D

Acq: 19 Dec 2018 16:07

Instrument :

BNA_N

ClientSampleId :

SSTD0.432

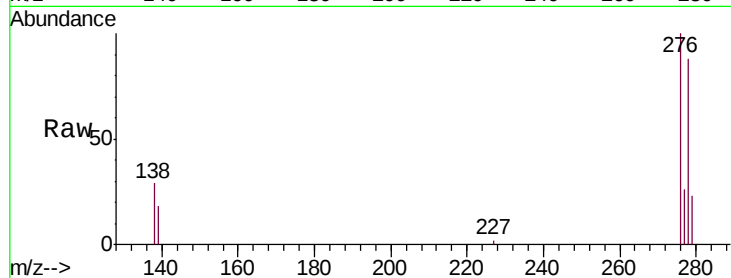
Tgt Ion:278 Resp: 12258

Ion Ratio Lower Upper

278 100

139 20.7 14.2 21.4

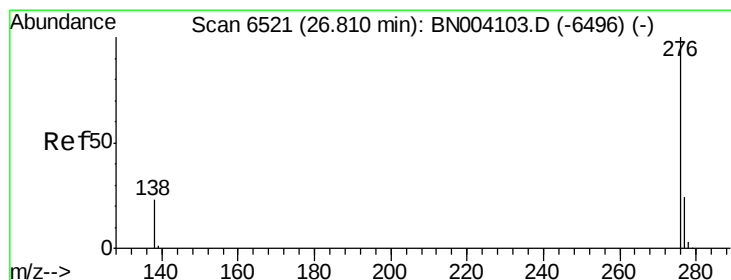
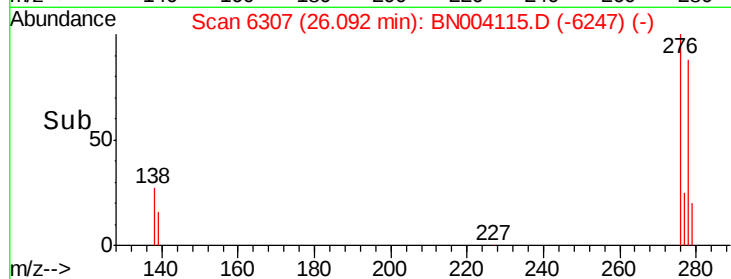
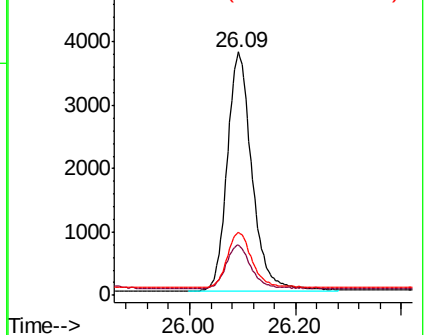
279 25.9 19.8 29.6



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: 0.393 ng/u1

RT: 26.82 min Scan# 6523

Delta R.T. 0.01 min

Lab File: BN004115.D

Acq: 19 Dec 2018 16:07

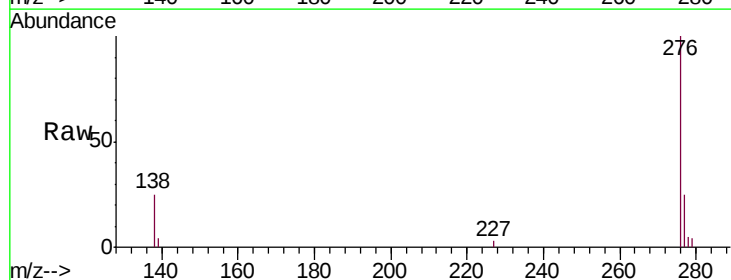
Tgt Ion:276 Resp: 12733

Ion Ratio Lower Upper

276 100

138 25.4 17.7 26.5

277 25.5 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

