

Data File : BN003643.D
Acq On : 20 Nov 2018 22:04
Operator : MJ/SJ
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.473

Quant Time: Nov 21 00:13:24 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 : Wed Nov 21 00:09:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	4308	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	17066	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.48	164	9358	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.22	188	23004	0.40	ng/ul	0.00
16) Chrysene-d12	21.40	240	25631	0.40	ng/ul	0.00
20) Perylene-d12	23.71	264	23779	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	10619	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	27426	0.41	ng/ul	0.00

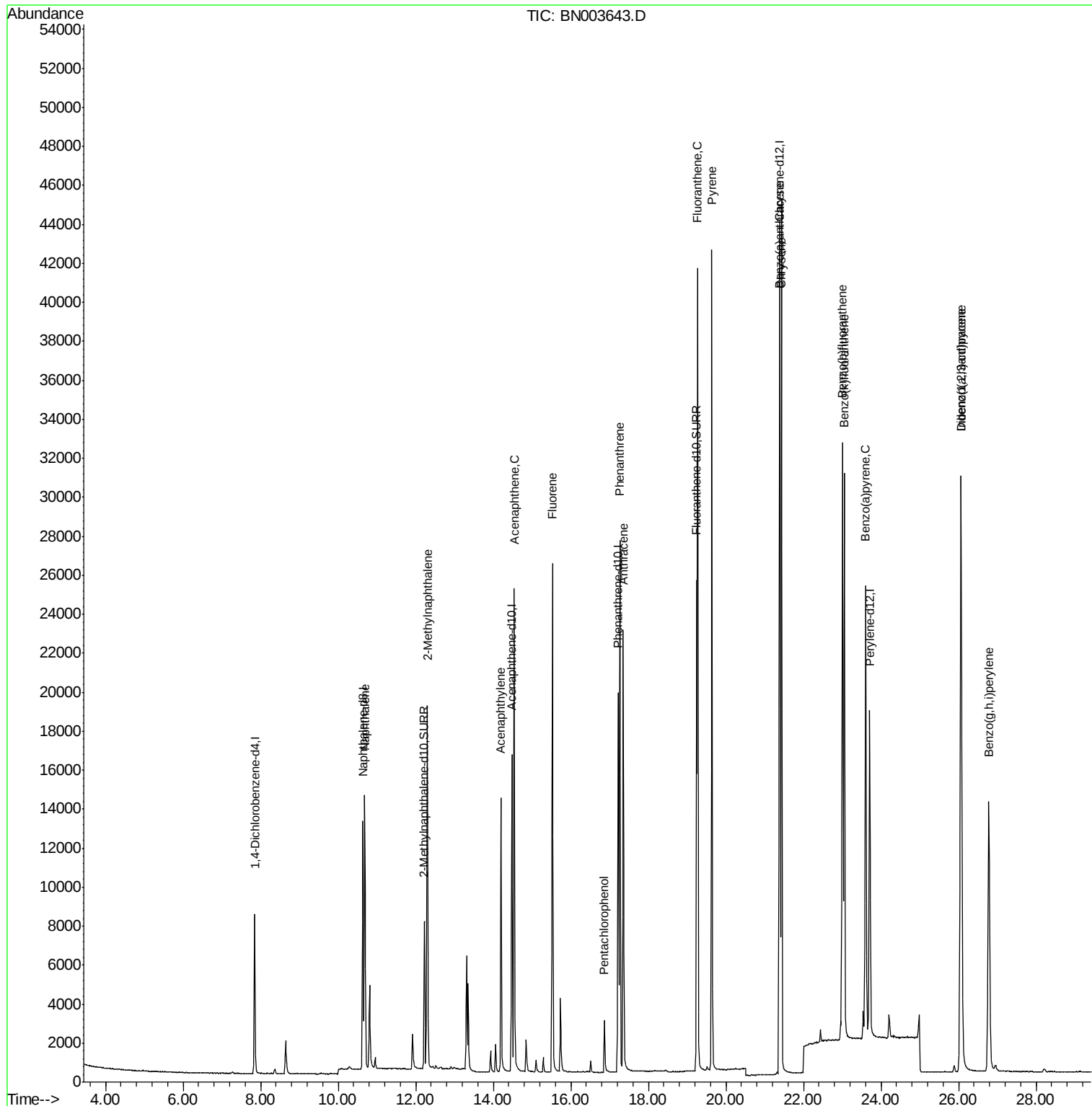
Target Compounds				Qvalue		
3) Naphthalene	10.69	128	19358	0.404	ng/ul	99
5) 2-Methylnaphthalene	12.30	142	13602	0.406	ng/ul	99
7) Acenaphthylene	14.20	152	17244	0.409	ng/ul	100
8) Acenaphthene	14.54	153	14694	0.398	ng/ul	99
9) Fluorene	15.52	166	17168	0.399	ng/ul	100
11) Pentachlorophenol	16.87	266	2194	0.530	ng/ul	98
12) Phenanthrene	17.26	178	30120	0.399	ng/ul	100
13) Anthracene	17.35	178	25292	0.408	ng/ul	100
15) Fluoranthene	19.27	202	35934	0.403	ng/ul	98
17) Pyrene	19.64	202	35716	0.389	ng/ul	99
18) Benzo(a)anthracene	21.38	228	33490	0.414	ng/ul	99
19) Chrysene	21.43	228	36682	0.396	ng/ul	100
21) Benzo(b)fluoranthene	23.00	252	39620	0.403	ng/ul	100
22) Benzo(k)fluoranthene	23.05	252	37470	0.391	ng/ul	99
23) Benzo(a)pyrene	23.61	252	34312	0.403	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	26.06	276	37402	0.383	ng/ul	99
25) Dibenzo(a,h)anthracene	26.07	278	30107	0.383	ng/ul	99
26) Benzo(g,h,i)perylene	26.78	276	31456	0.371	ng/ul	99

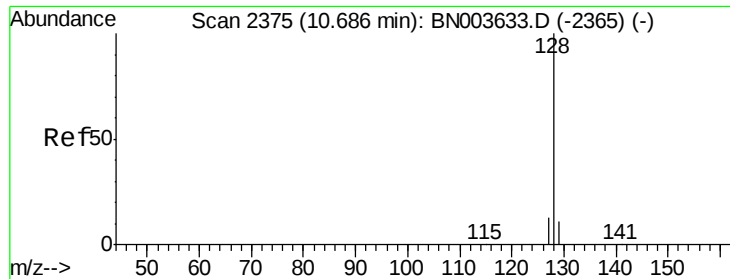
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.404 ng/ul

RT: 10.69 min Scan# 2375

Delta R.T. 0.00 min

Lab File: BN003643.D

Acq: 20 Nov 2018 22:04

Instrument :

BNA_N

ClientSampleId :

SSTD0.473

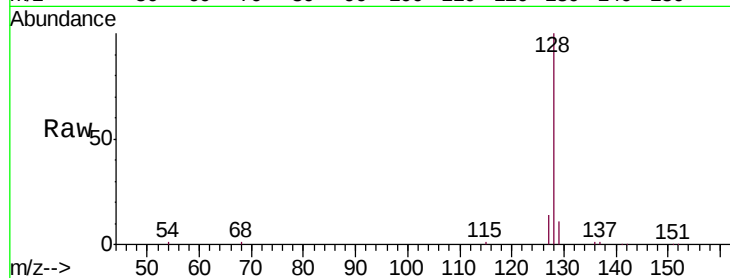
Tgt Ion:128 Resp: 19358

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

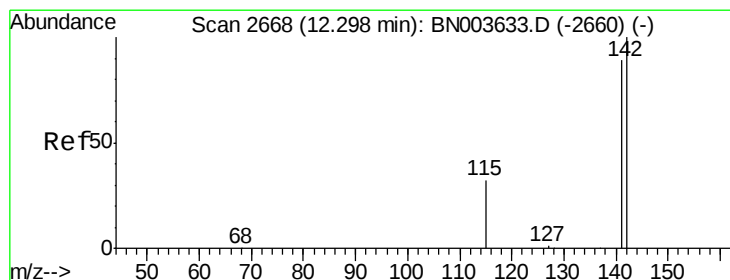
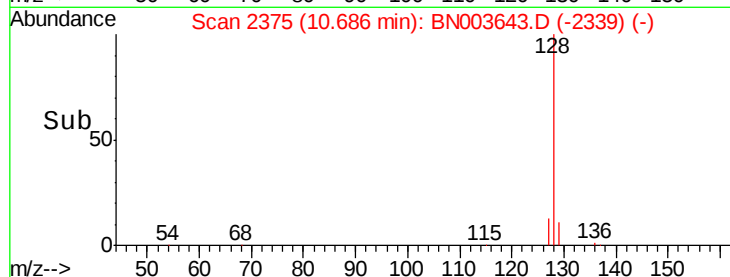
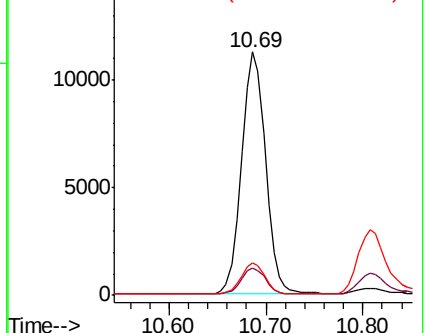
127 13.6 10.5 15.7



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: 0.406 ng/ul

RT: 12.30 min Scan# 2668

Delta R.T. 0.00 min

Lab File: BN003643.D

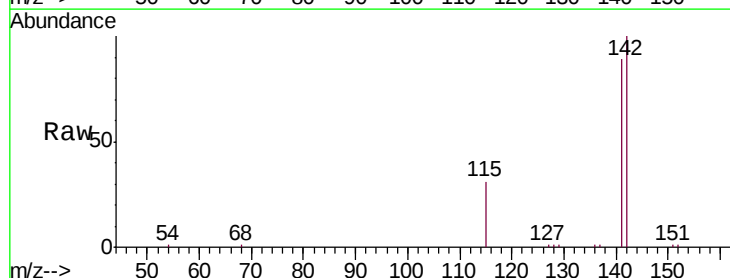
Acq: 20 Nov 2018 22:04

Tgt Ion:142 Resp: 13602

Ion Ratio Lower Upper

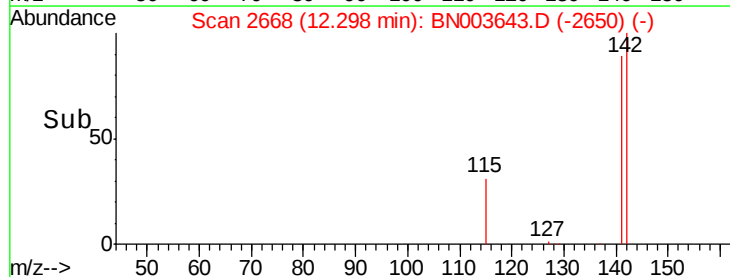
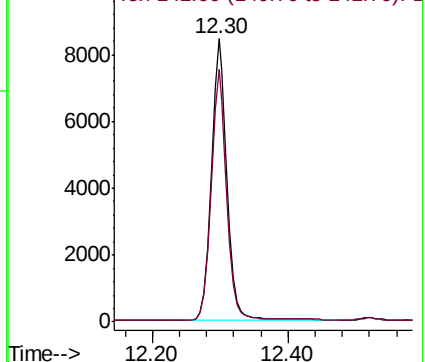
142 100

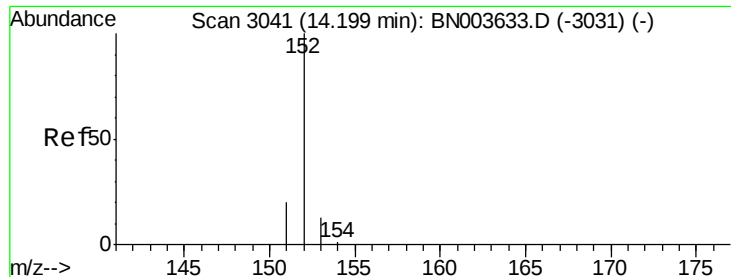
141 88.8 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.409 ng/ul

RT: 14.20 min Scan# 3041

Delta R.T. 0.00 min

Lab File: BN003643.D

Acq: 20 Nov 2018 22:04

Instrument :

BNA_N

ClientSampleId :

SSTD0.473

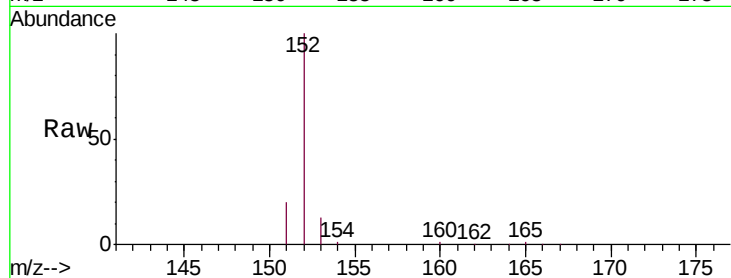
Tgt Ion:152 Resp: 17244

Ion Ratio Lower Upper

152 100

151 19.8 15.9 23.9

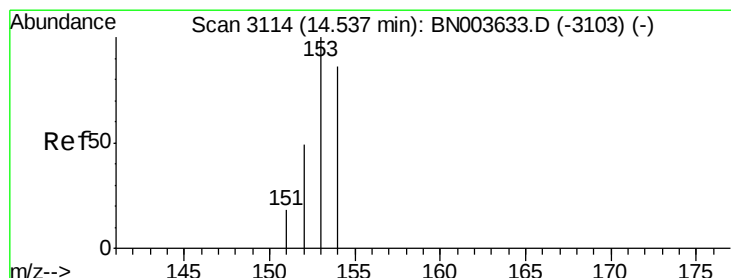
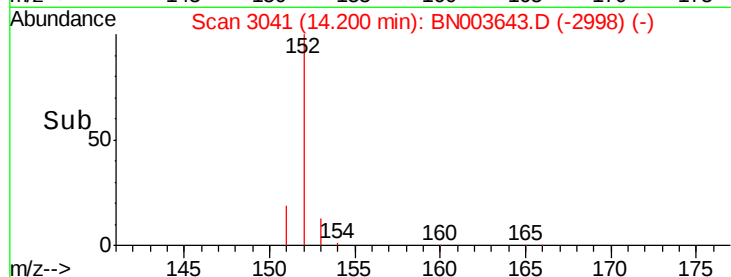
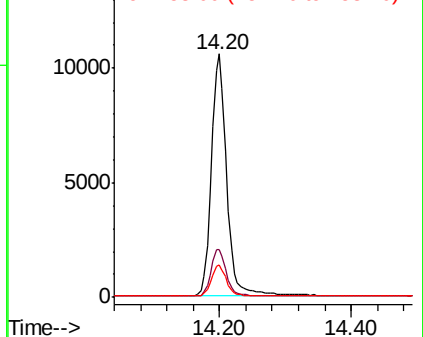
153 13.2 10.7 16.1



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: 0.398 ng/ul

RT: 14.54 min Scan# 3114

Delta R.T. 0.00 min

Lab File: BN003643.D

Acq: 20 Nov 2018 22:04

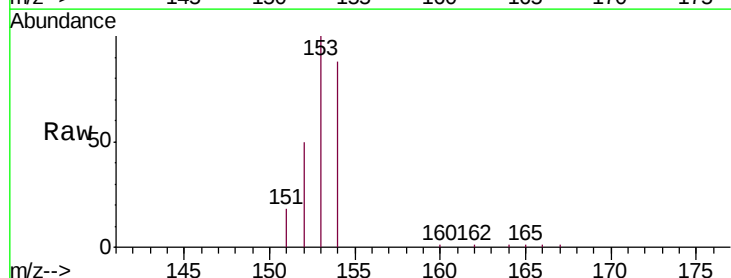
Tgt Ion:153 Resp: 14694

Ion Ratio Lower Upper

153 100

152 49.6 39.3 58.9

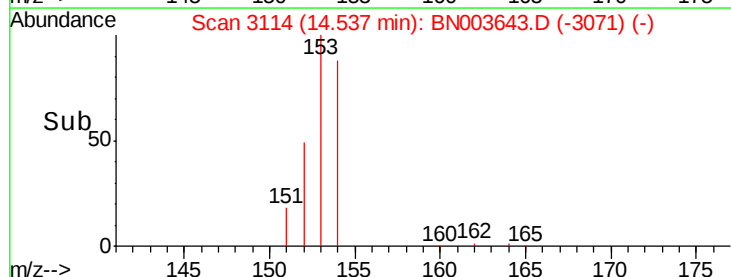
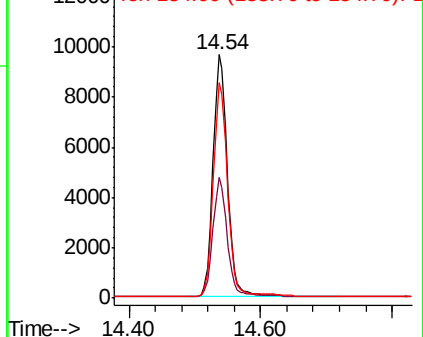
154 88.4 70.3 105.5

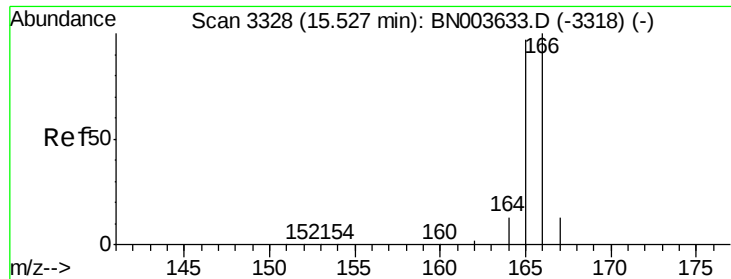


Abundance Ion 153.00 (152.70 to 153.70): E

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: BN003643.D

Acq: 20 Nov 2018 22:04

Instrument :

BNA_N

ClientSampleId :

SSTD0.473

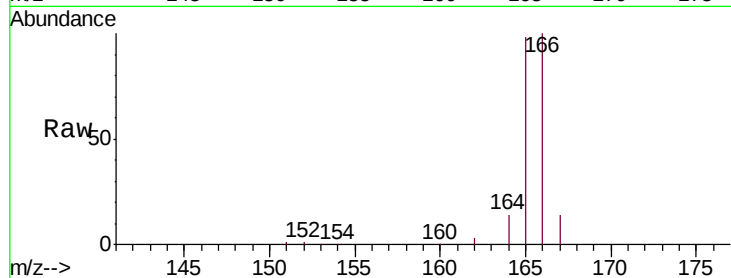
Tgt Ion:166 Resp: 17168

Ion Ratio Lower Upper

166 100

165 98.2 78.3 117.5

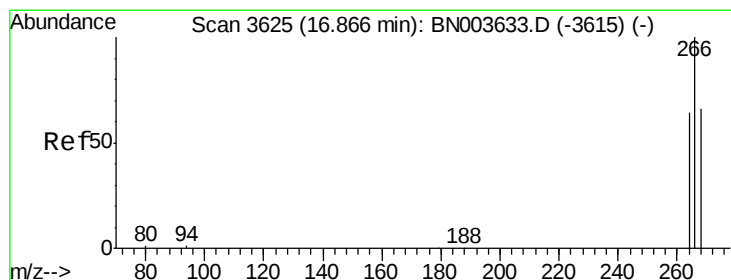
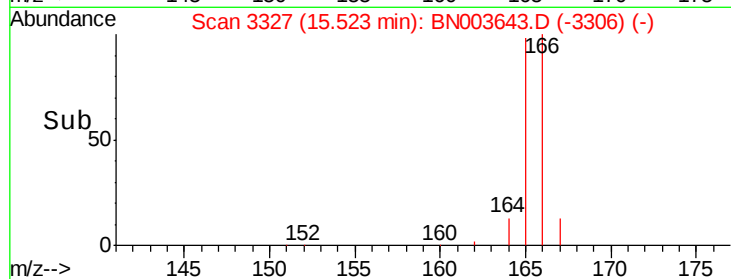
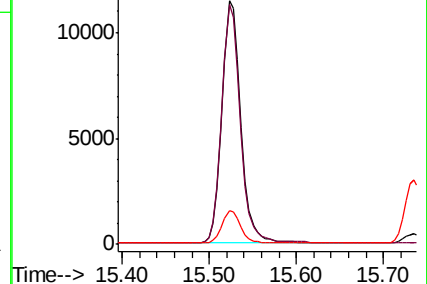
167 13.8 11.3 16.9



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: 0.530 ng/ul

RT: 16.87 min Scan# 3625

Delta R.T. 0.00 min

Lab File: BN003643.D

Acq: 20 Nov 2018 22:04

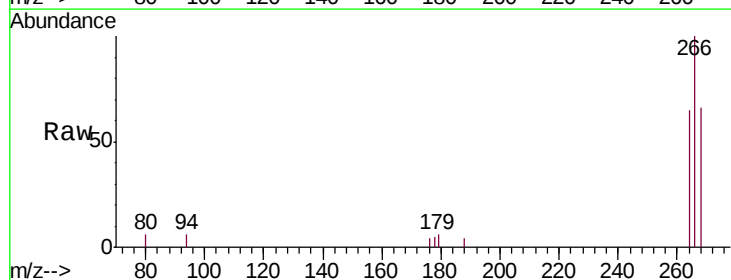
Tgt Ion:266 Resp: 2194

Ion Ratio Lower Upper

266 100

264 61.7 49.4 74.2

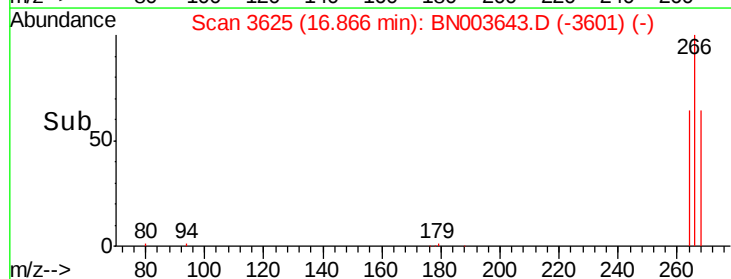
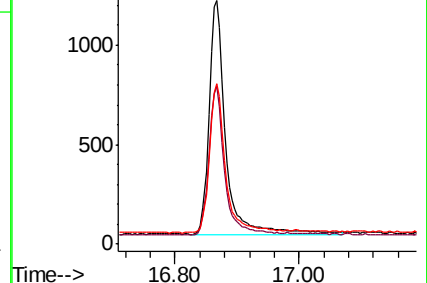
268 62.0 51.7 77.5

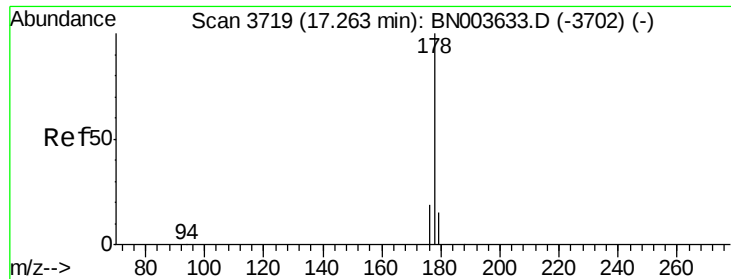


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.399 ng/ul

RT: 17.26 min Scan# 3719

Delta R.T. 0.00 min

Lab File: BN003643.D

Acq: 20 Nov 2018 22:04

Instrument :

BNA_N

ClientSampleId :

SSTD0.473

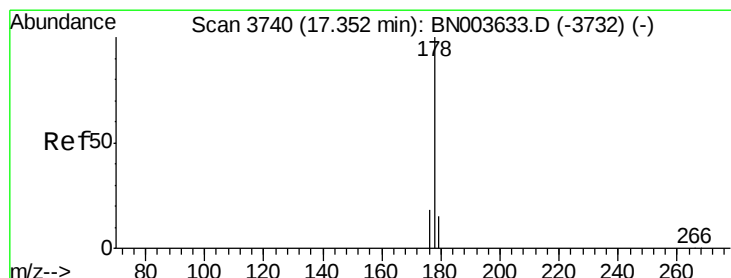
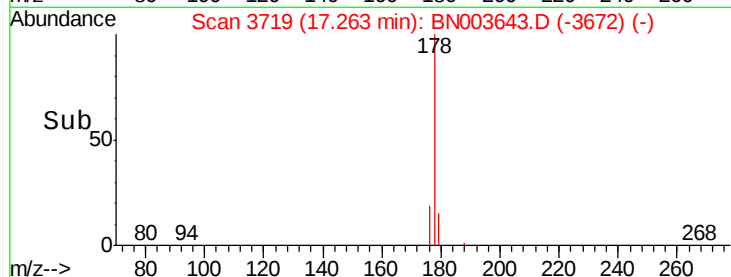
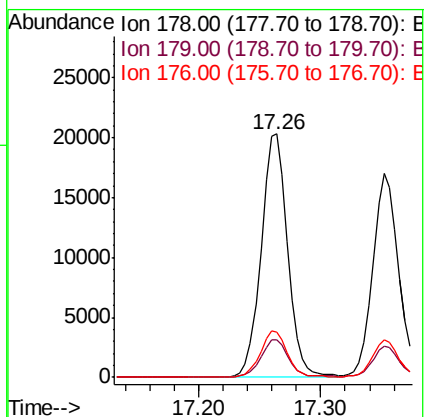
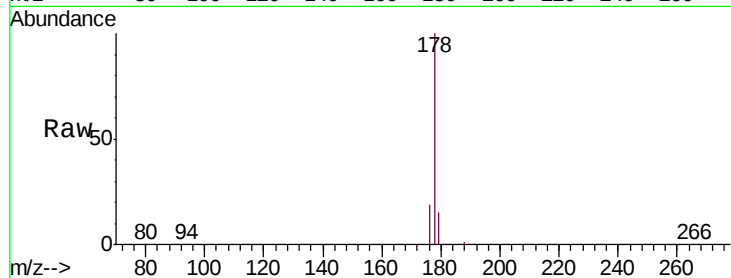
Tgt Ion:178 Resp: 30120

Ion Ratio Lower Upper

178 100

179 15.5 12.5 18.7

176 18.8 15.0 22.4



#13

Anthracene

Concen: 0.408 ng/ul

RT: 17.35 min Scan# 3740

Delta R.T. 0.00 min

Lab File: BN003643.D

Acq: 20 Nov 2018 22:04

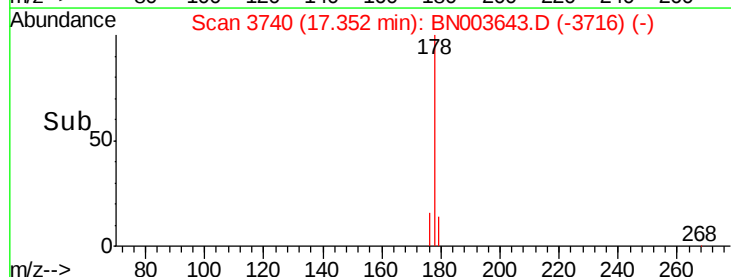
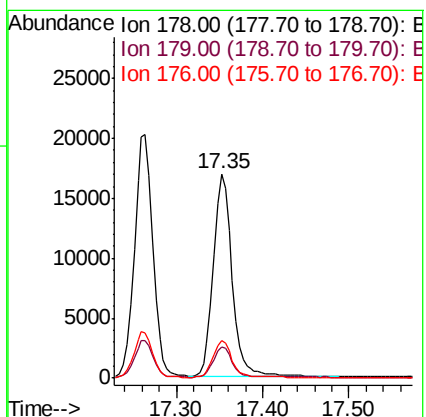
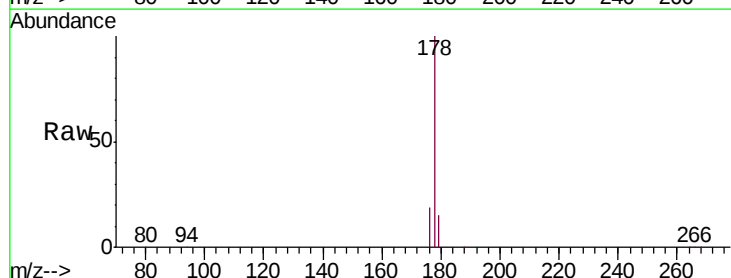
Tgt Ion:178 Resp: 25292

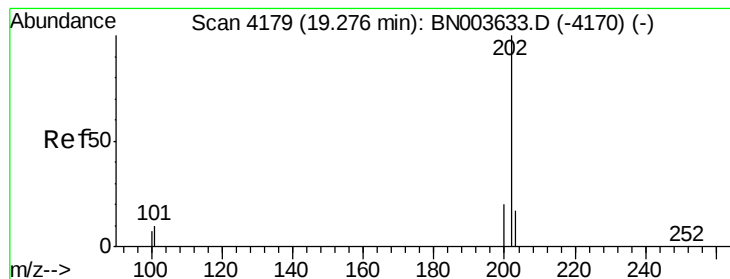
Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

176 18.7 14.8 22.2





#15

Fluoranthene

Concen: 0.403 ng/ul

RT: 19.27 min Scan# 4178

Delta R.T. -0.00 min

Lab File: BN003643.D

Acq: 20 Nov 2018 22:04

Instrument :

BNA_N

ClientSampleId :

SSTD0.473

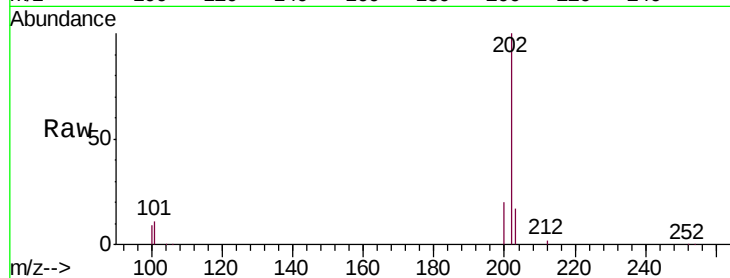
Tgt Ion:202 Resp: 35934

Ion Ratio Lower Upper

202 100

101 11.4 0.0 30.7

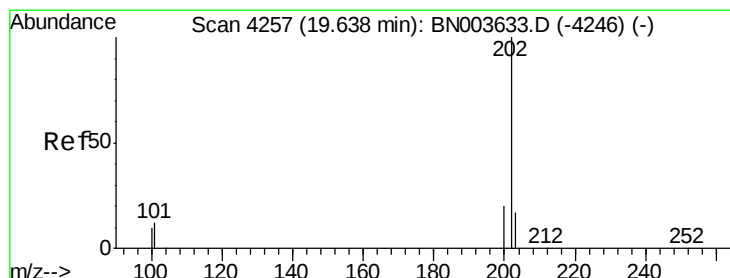
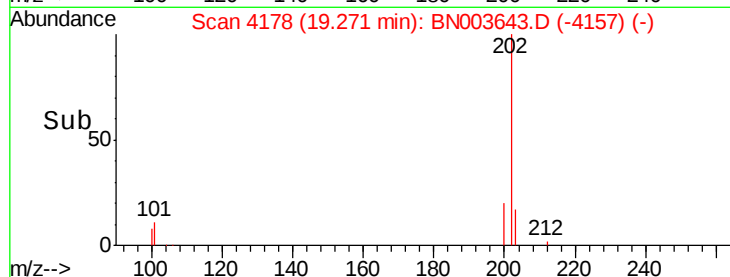
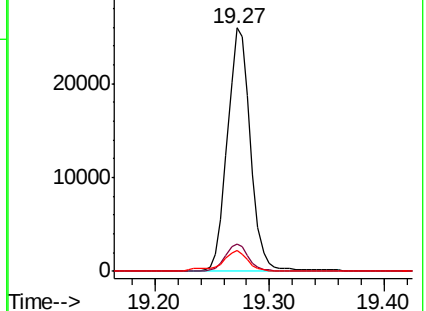
100 8.5 0.0 28.1



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: 0.389 ng/ul

RT: 19.64 min Scan# 4257

Delta R.T. 0.00 min

Lab File: BN003643.D

Acq: 20 Nov 2018 22:04

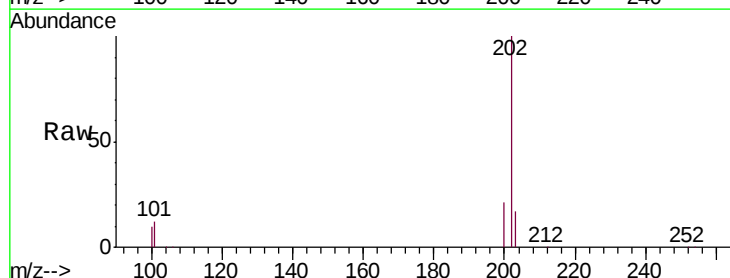
Tgt Ion:202 Resp: 35716

Ion Ratio Lower Upper

202 100

101 12.4 10.3 15.5

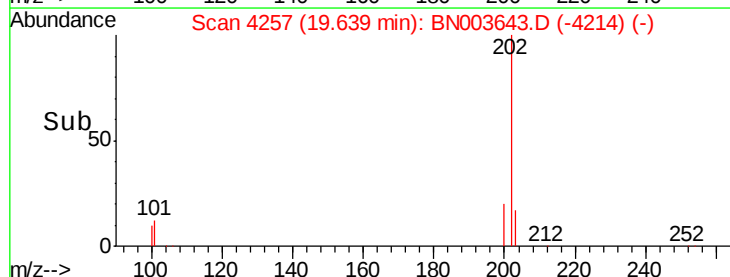
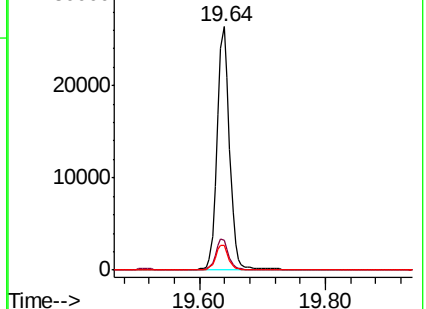
100 9.9 8.5 12.7

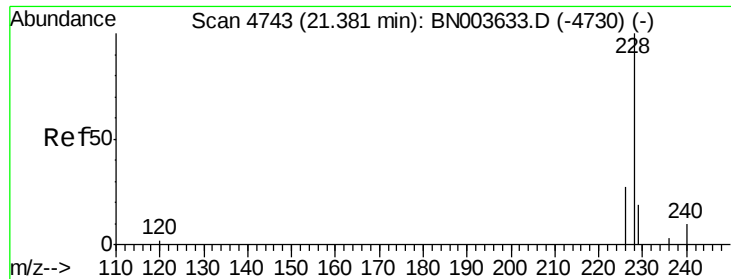


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.414 ng/ul

RT: 21.38 min Scan# 4742

Delta R.T. -0.00 min

Lab File: BN003643.D

Acq: 20 Nov 2018 22:04

Instrument :

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SSTD0.473

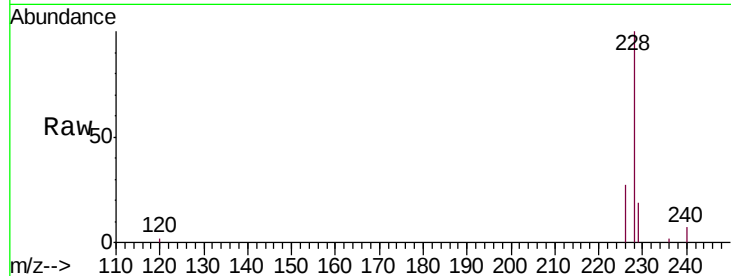
Tgt Ion:228 Resp: 33490

Ion Ratio Lower Upper

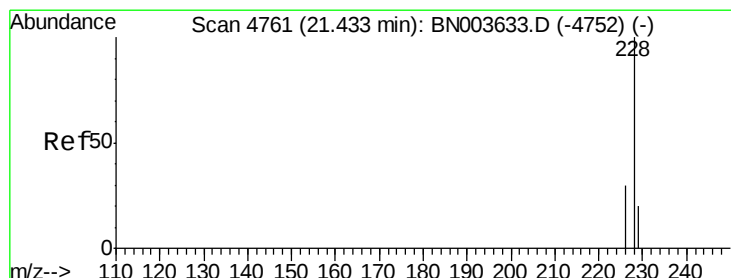
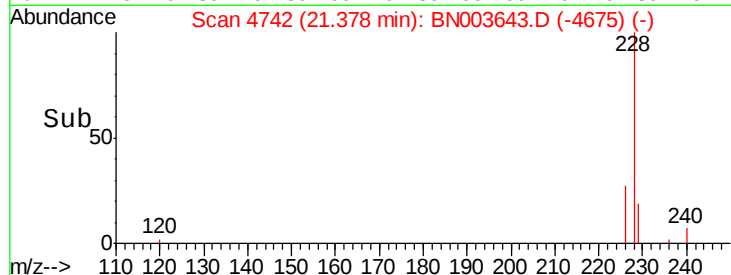
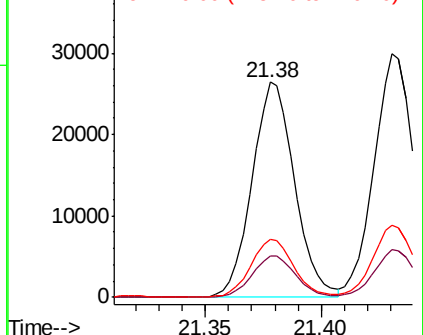
228 100

229 19.4 15.6 23.4

226 27.2 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: 0.396 ng/ul

RT: 21.43 min Scan# 4760

Delta R.T. -0.00 min

Lab File: BN003643.D

Acq: 20 Nov 2018 22:04

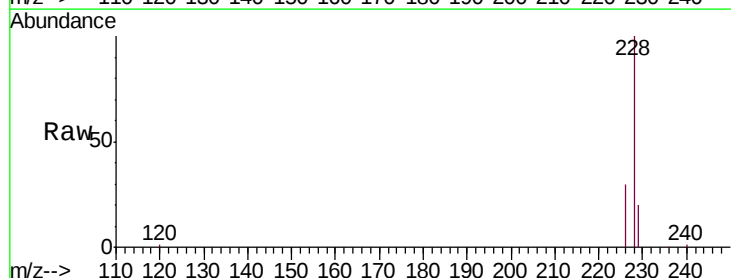
Tgt Ion:228 Resp: 36682

Ion Ratio Lower Upper

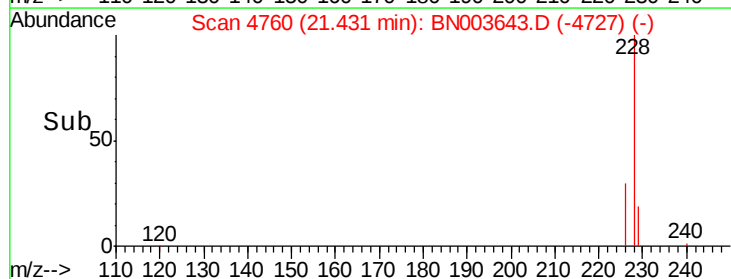
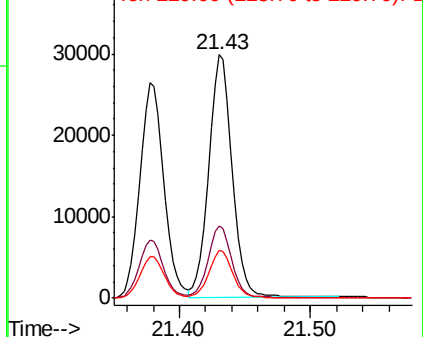
228 100

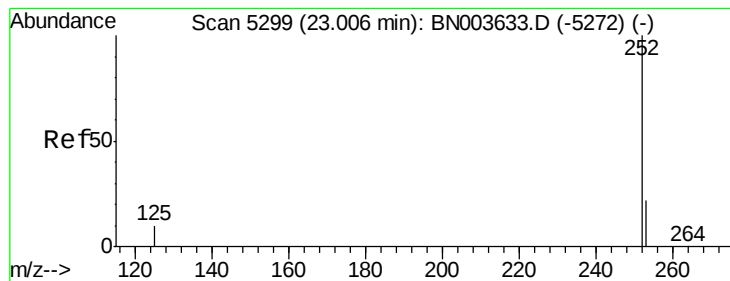
226 29.9 24.0 36.0

229 19.6 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: 0.403 ng/ul

RT: 23.00 min Scan# 5298

Delta R.T. -0.00 min

Lab File: BN003643.D

Acq: 20 Nov 2018 22:04

Instrument :

BNA_N

ClientSampleId :

SSTD0.473

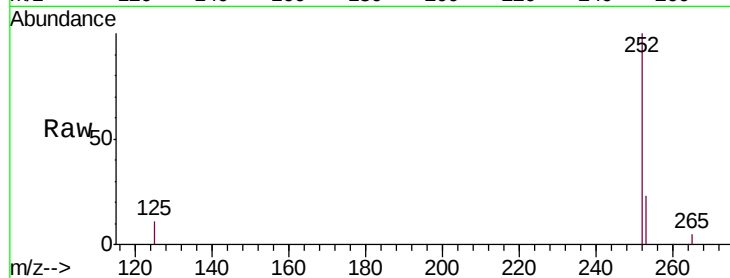
Tgt Ion:252 Resp: 39620

Ion Ratio Lower Upper

252 100

253 23.3 0.0 46.0

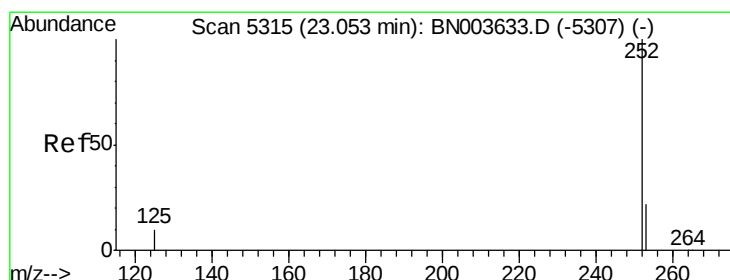
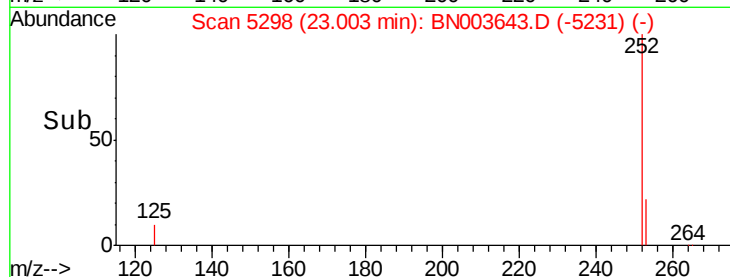
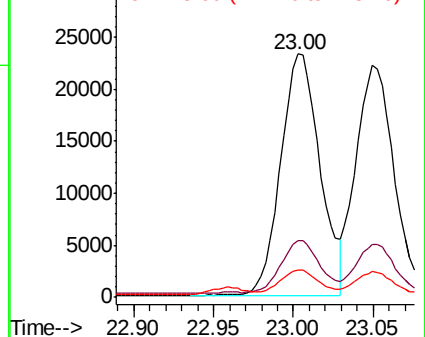
125 11.0 0.0 22.4



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: 0.391 ng/ul

RT: 23.05 min Scan# 5314

Delta R.T. -0.00 min

Lab File: BN003643.D

Acq: 20 Nov 2018 22:04

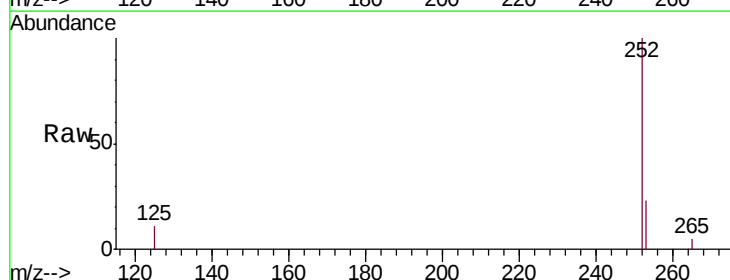
Tgt Ion:252 Resp: 37470

Ion Ratio Lower Upper

252 100

253 22.9 18.5 27.7

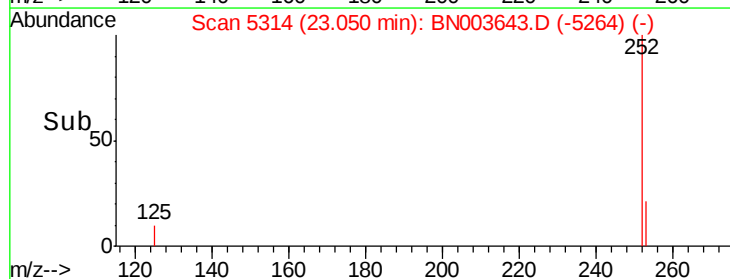
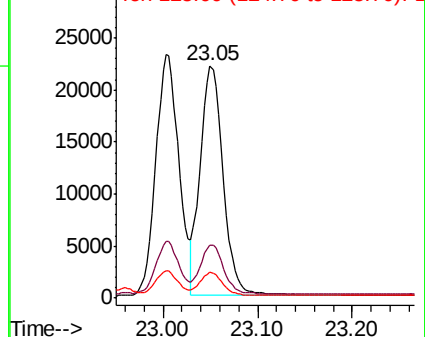
125 11.0 9.0 13.6

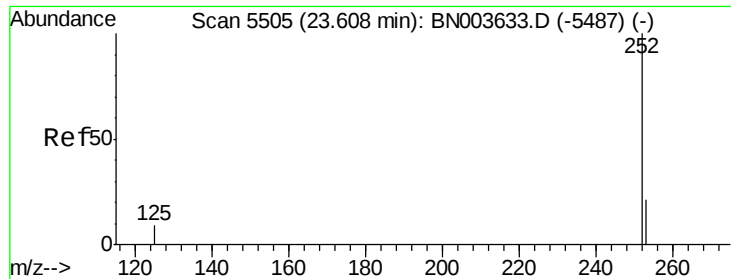


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.403 ng/u1

RT: 23.61 min Scan# 5504

Delta R.T. -0.00 min

Lab File: BN003643.D

Acq: 20 Nov 2018 22:04

Instrument :

BNA_N

ClientSampleId :

SSTD0.473

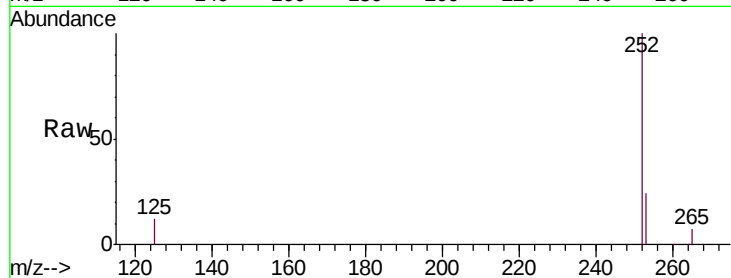
Tgt Ion:252 Resp: 34312

Ion Ratio Lower Upper

252 100

253 24.0 19.0 28.4

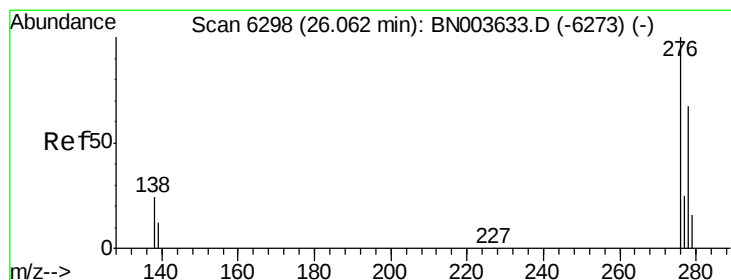
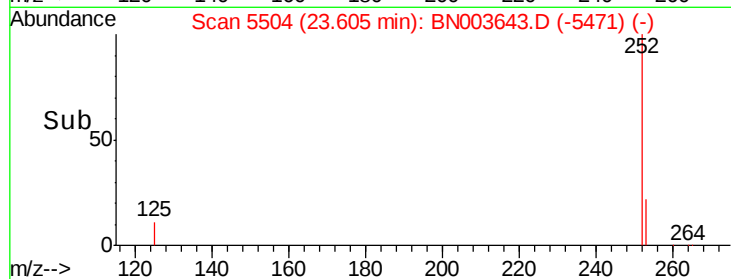
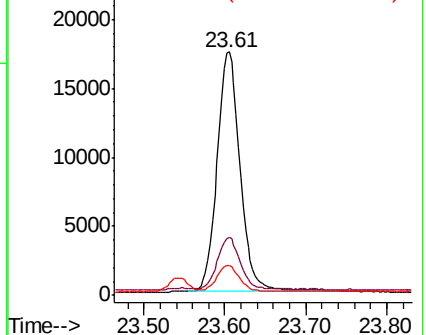
125 12.4 10.2 15.4



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: 0.383 ng/u1

RT: 26.06 min Scan# 6297

Delta R.T. -0.00 min

Lab File: BN003643.D

Acq: 20 Nov 2018 22:04

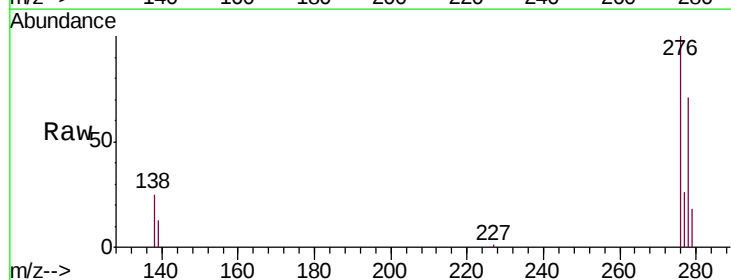
Tgt Ion:276 Resp: 37402

Ion Ratio Lower Upper

276 100

138 25.0 20.3 30.5

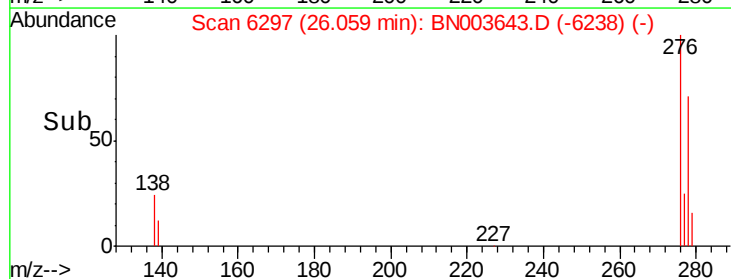
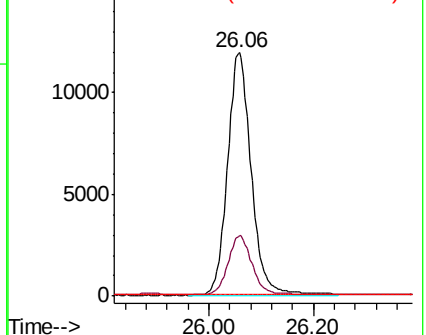
227 0.2 0.2 0.2

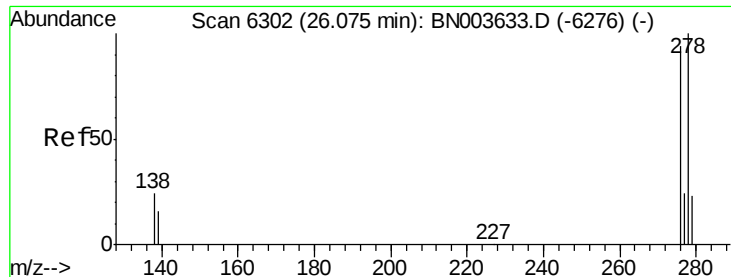


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.383 ng/ul

RT: 26.07 min Scan# 6299

Delta R.T. -0.01 min

Lab File: BN003643.D

Acq: 20 Nov 2018 22:04

Instrument :

BNA_N

ClientSampleId :

SSTD0.473

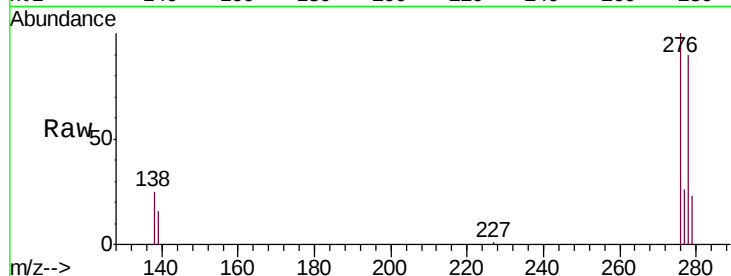
Tgt Ion: 278 Resp: 30107

Ion Ratio Lower Upper

278 100

139 17.4 14.2 21.4

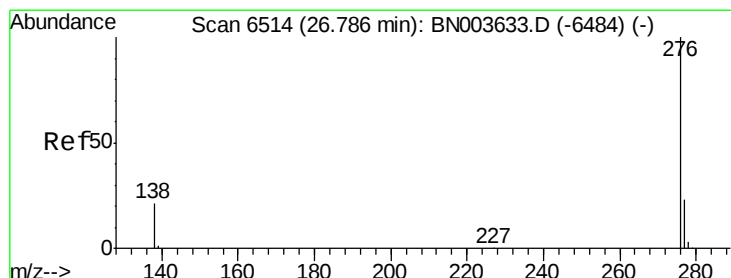
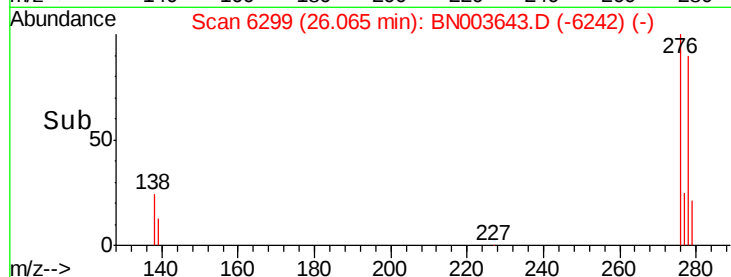
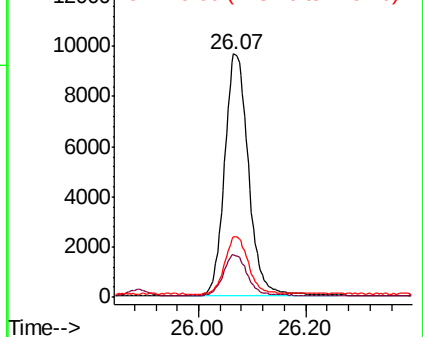
279 25.1 19.8 29.6



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: 0.371 ng/ul

RT: 26.78 min Scan# 6513

Delta R.T. -0.00 min

Lab File: BN003643.D

Acq: 20 Nov 2018 22:04

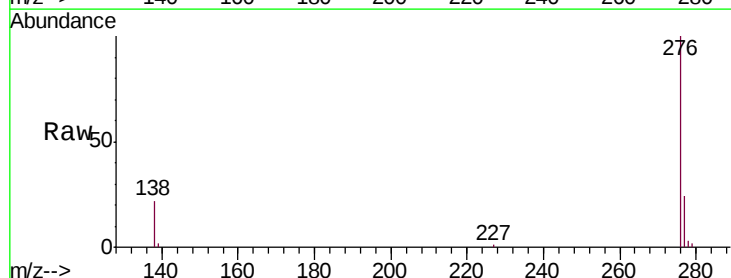
Tgt Ion: 276 Resp: 31456

Ion Ratio Lower Upper

276 100

138 21.7 17.7 26.5

277 24.0 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

