

Data File : BN003987.D
Acq On : 16 Dec 2018 08:51
Operator : JU/SJ
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.420

Quant Time: Dec 17 00:17:26 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 00:13:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3161	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	14736	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.48	164	8171	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.22	188	19597	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	19391	0.40	ng/ul	0.01
20) Perylene-d12	23.73	264	16741	0.40	ng/ul	0.02

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	8598	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	22697	0.40	ng/ul	0.00

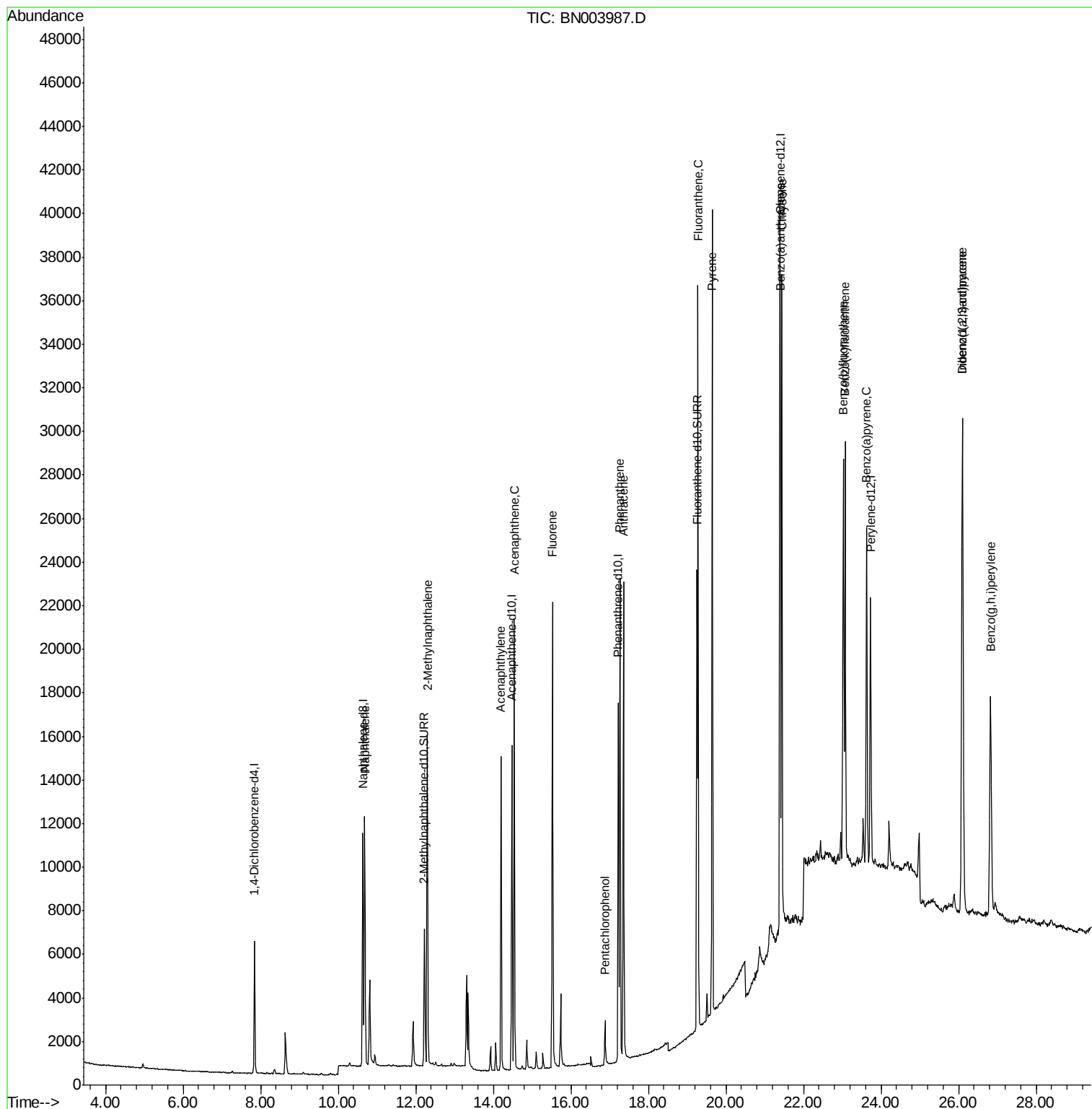
Target Compounds						Qvalue
3) Naphthalene	10.69	128	15677	0.379	ng/ul	99
5) 2-Methylnaphthalene	12.30	142	11152	0.386	ng/ul	100
7) Acenaphthylene	14.20	152	16758	0.455	ng/ul	99
8) Acenaphthene	14.54	153	12344	0.383	ng/ul	99
9) Fluorene	15.53	166	14050	0.374	ng/ul	99
11) Pentachlorophenol	16.88	266	1923	0.545	ng/ul	96
12) Phenanthrene	17.26	178	23759	0.369	ng/ul	98
13) Anthracene	17.36	178	23918	0.452	ng/ul	99
15) Fluoranthene	19.28	202	29451	0.388	ng/ul	98
17) Pyrene	19.64	202	30107	0.433	ng/ul	98
18) Benzo(a)anthracene	21.39	228	26461	0.432	ng/ul#	88
19) Chrysene	21.44	228	25026	0.357	ng/ul#	89
21) Benzo(b)fluoranthene	23.02	252	24124	0.348	ng/ul#	77
22) Benzo(k)fluoranthene	23.07	252	23912	0.354	ng/ul#	78
23) Benzo(a)pyrene	23.63	252	22509	0.375	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	26.09	276	25930	0.377	ng/ul#	99
25) Dibenzo(a,h)anthracene	26.10	278	21142	0.382	ng/ul#	77
26) Benzo(g,h,i)perylene	26.82	276	21490	0.360	ng/ul#	79

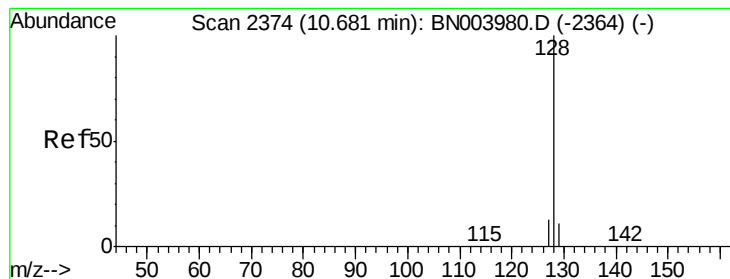
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 17 00:17:26 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 00:13:33 2018
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.379 ng/ul

RT: 10.69 min Scan# 2375

Delta R.T. 0.01 min

Lab File: BN003987.D

Acq: 16 Dec 2018 08:51

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

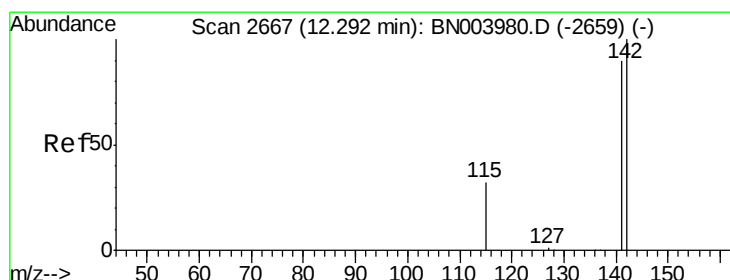
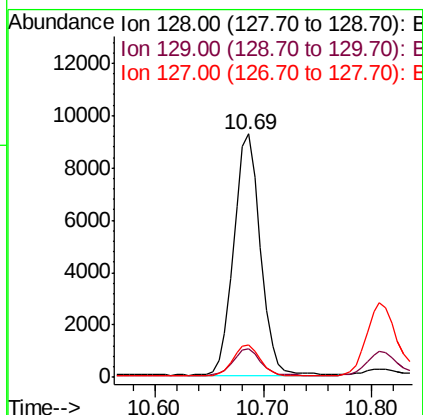
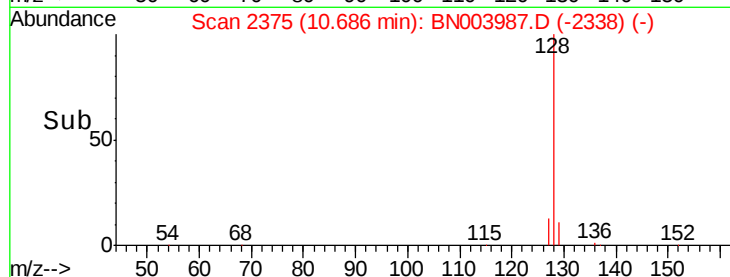
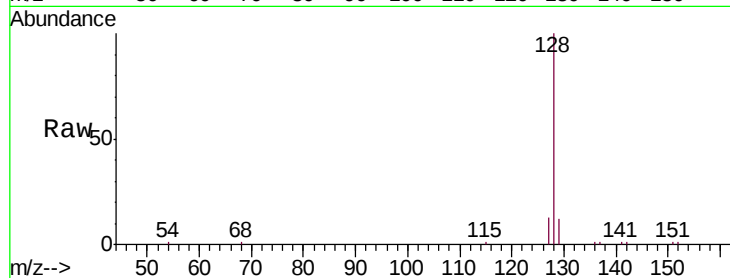
Tgt Ion:128 Resp: 15677

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.6

127 13.4 10.5 15.7



#5

2-Methylnaphthalene

Concen: 0.386 ng/ul

RT: 12.30 min Scan# 2668

Delta R.T. 0.01 min

Lab File: BN003987.D

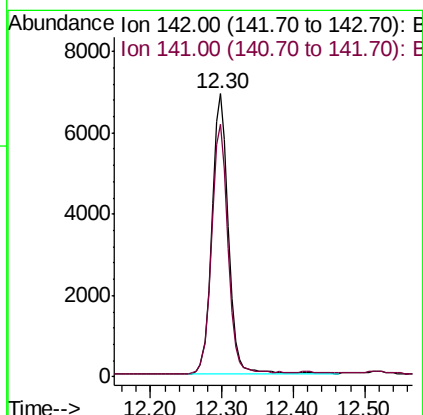
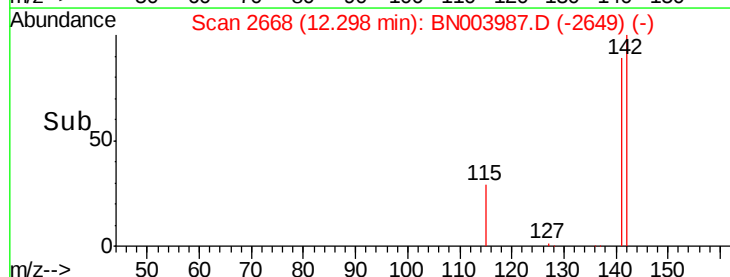
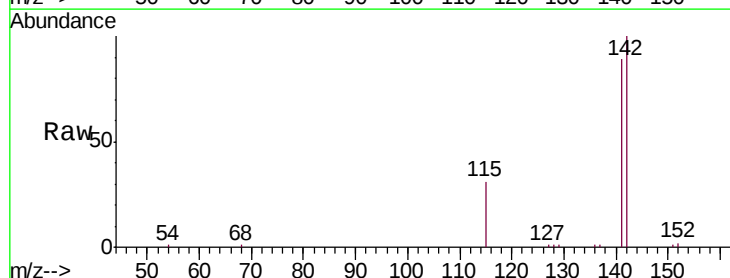
Acq: 16 Dec 2018 08:51

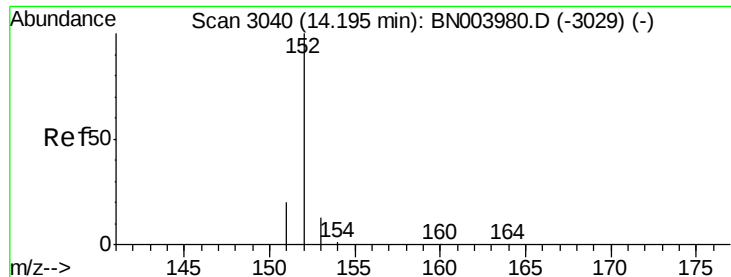
Tgt Ion:142 Resp: 11152

Ion Ratio Lower Upper

142 100

141 89.0 71.5 107.3





#7

Acenaphthylene

Concen: 0.455 ng/ul

RT: 14.20 min Scan# 3041

Delta R.T. 0.00 min

Lab File: BN003987.D

Acq: 16 Dec 2018 08:51

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

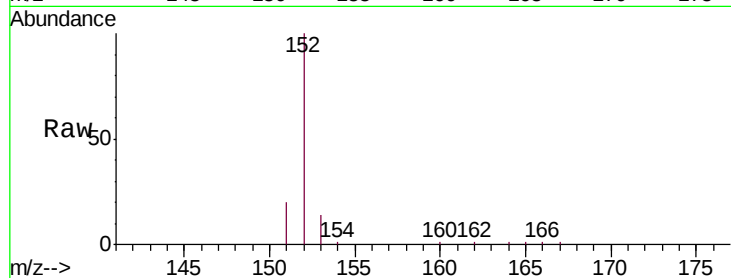
Tgt Ion:152 Resp: 16758

Ion Ratio Lower Upper

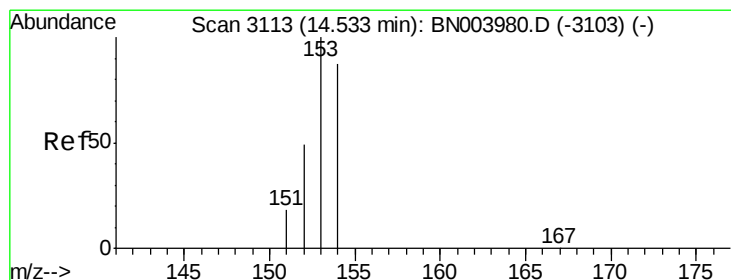
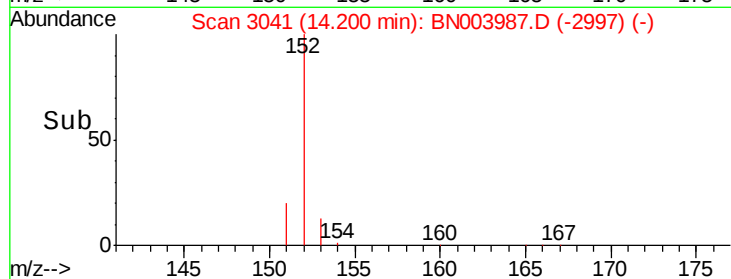
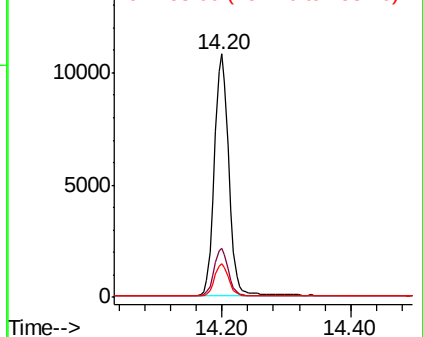
152 100

151 20.2 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: 0.383 ng/ul

RT: 14.54 min Scan# 3114

Delta R.T. 0.00 min

Lab File: BN003987.D

Acq: 16 Dec 2018 08:51

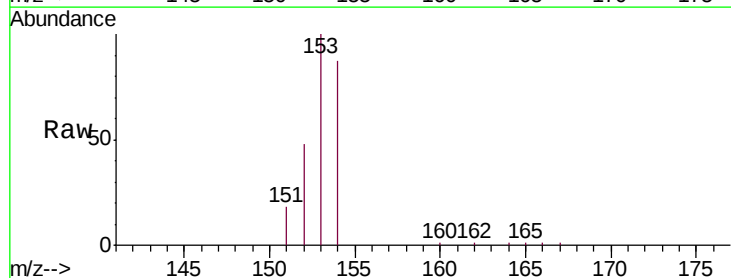
Tgt Ion:153 Resp: 12344

Ion Ratio Lower Upper

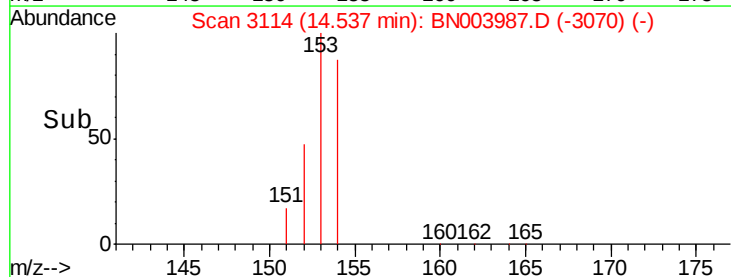
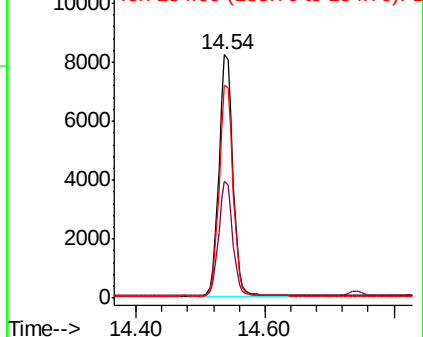
153 100

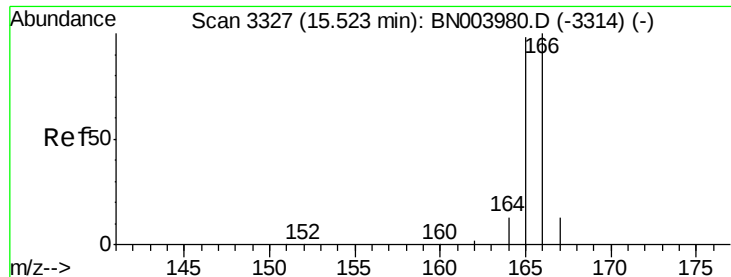
152 48.1 39.3 58.9

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: 0.374 ng/ul

RT: 15.53 min Scan# 3328

Delta R.T. 0.00 min

Lab File: BN003987.D

Acq: 16 Dec 2018 08:51

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

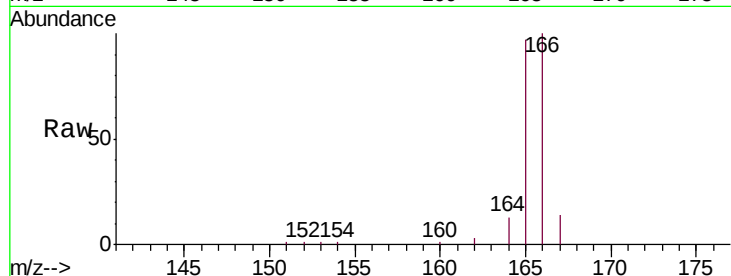
Tgt Ion:166 Resp: 14050

Ion Ratio Lower Upper

166 100

165 97.2 78.3 117.5

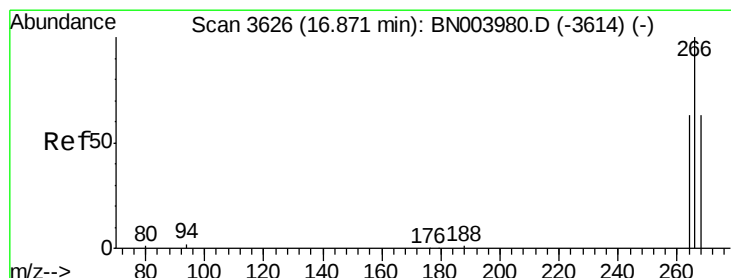
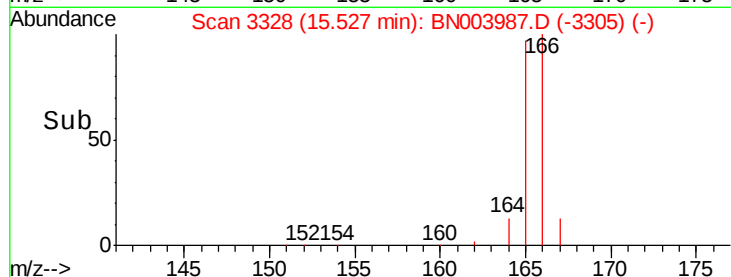
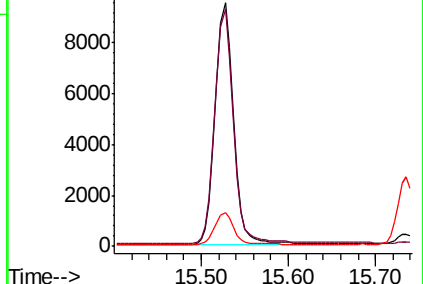
167 13.9 11.3 16.9



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: 0.545 ng/ul

RT: 16.88 min Scan# 3628

Delta R.T. 0.01 min

Lab File: BN003987.D

Acq: 16 Dec 2018 08:51

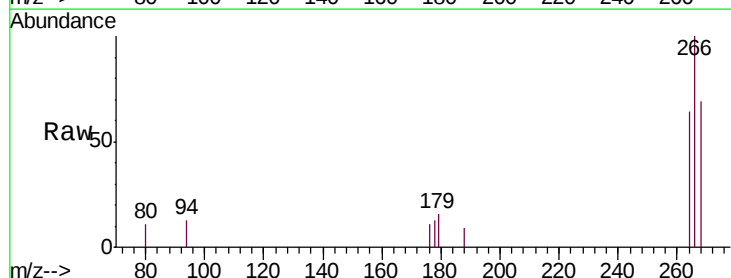
Tgt Ion:266 Resp: 1923

Ion Ratio Lower Upper

266 100

264 56.5 49.4 74.2

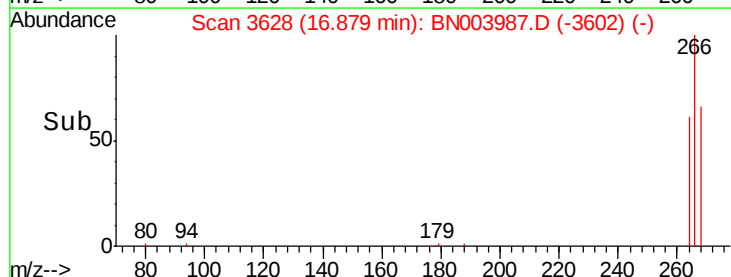
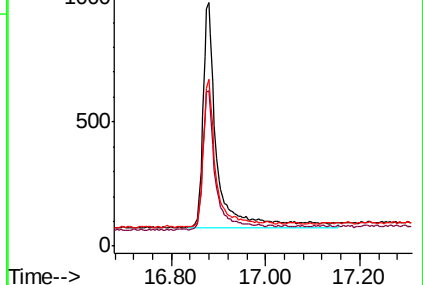
268 65.2 51.7 77.5

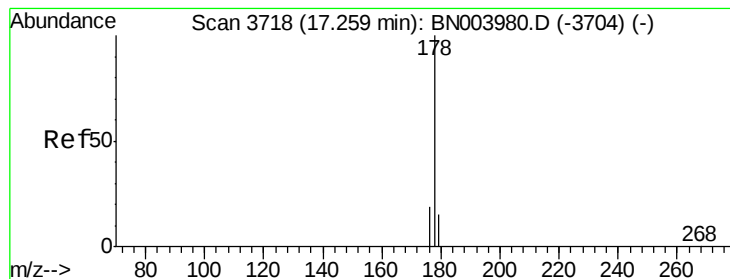


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.369 ng/ul

RT: 17.26 min Scan# 3719

Delta R.T. 0.00 min

Lab File: BN003987.D

Acq: 16 Dec 2018 08:51

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

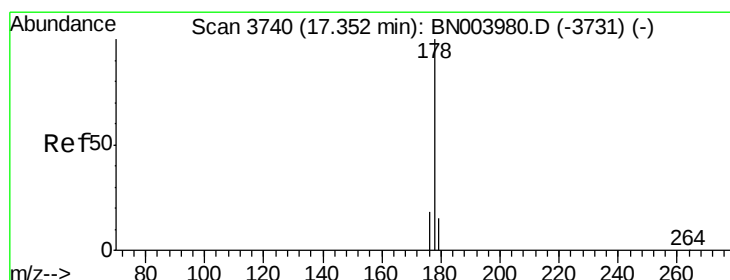
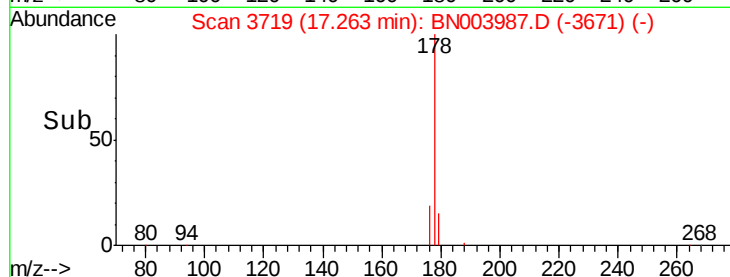
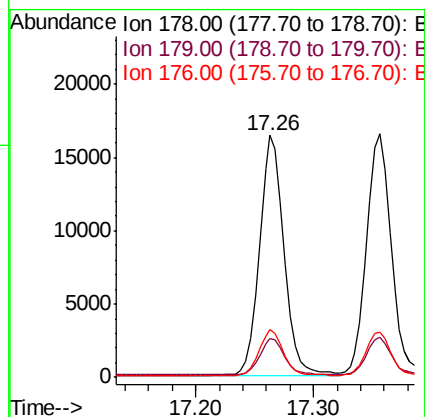
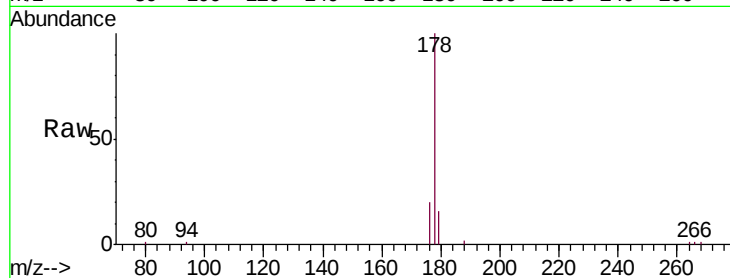
Tgt Ion:178 Resp: 23759

Ion Ratio Lower Upper

178 100

179 16.3 12.5 18.7

176 19.5 15.0 22.4



#13

Anthracene

Concen: 0.452 ng/ul

RT: 17.36 min Scan# 3741

Delta R.T. 0.00 min

Lab File: BN003987.D

Acq: 16 Dec 2018 08:51

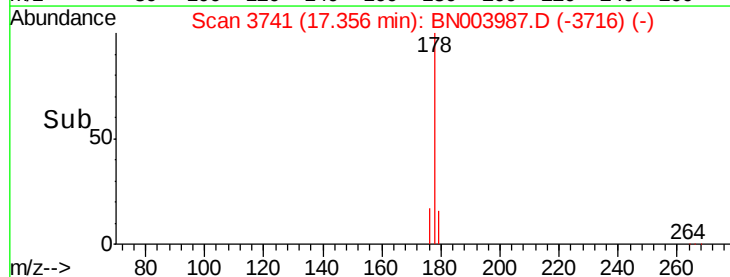
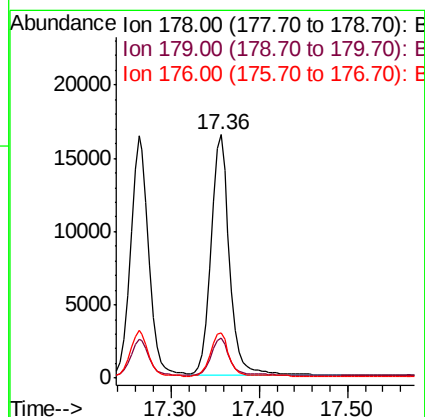
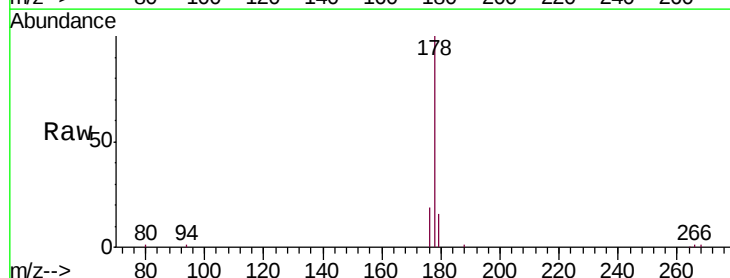
Tgt Ion:178 Resp: 23918

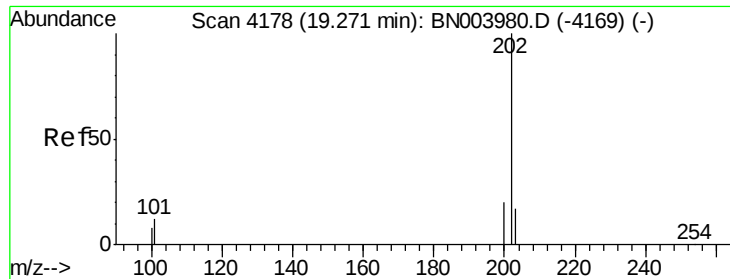
Ion Ratio Lower Upper

178 100

179 16.3 12.3 18.5

176 18.8 14.8 22.2





#15

Fluoranthene

Concen: 0.388 ng/ul

RT: 19.28 min Scan# 4180

Delta R.T. 0.01 min

Lab File: BN003987.D

Acq: 16 Dec 2018 08:51

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

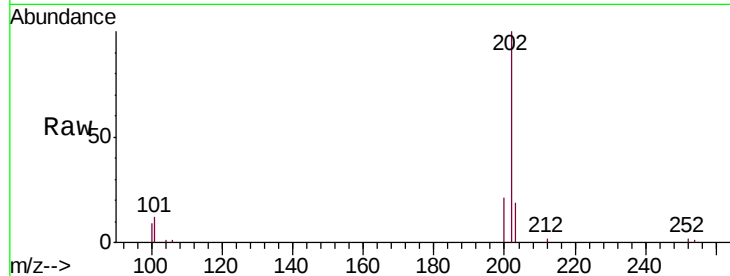
Tgt Ion:202 Resp: 29451

Ion Ratio Lower Upper

202 100

101 11.8 0.0 30.7

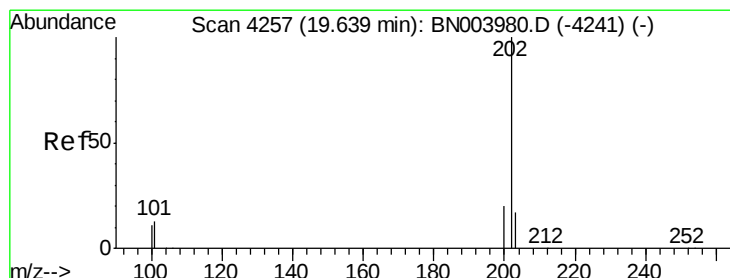
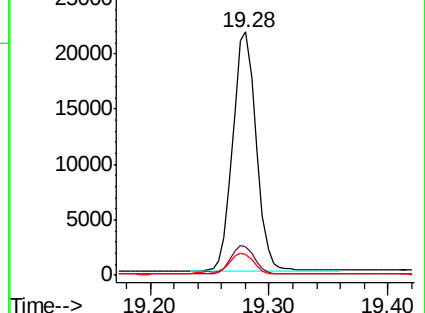
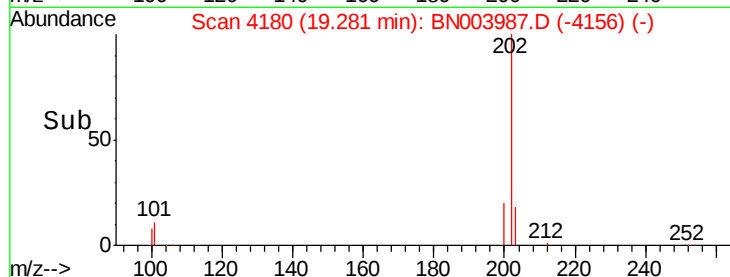
100 8.7 0.0 28.1



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: 0.433 ng/ul

RT: 19.64 min Scan# 4258

Delta R.T. 0.00 min

Lab File: BN003987.D

Acq: 16 Dec 2018 08:51

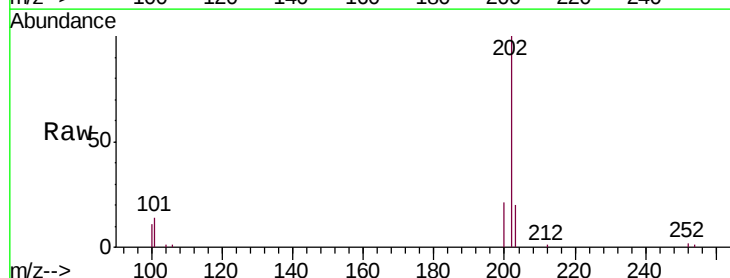
Tgt Ion:202 Resp: 30107

Ion Ratio Lower Upper

202 100

101 13.9 10.3 15.5

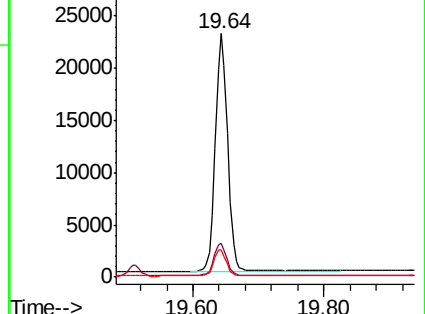
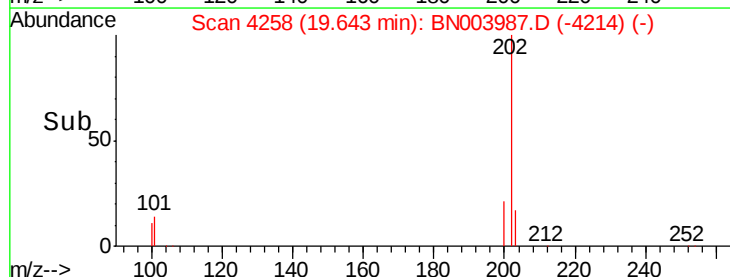
100 11.1 8.5 12.7

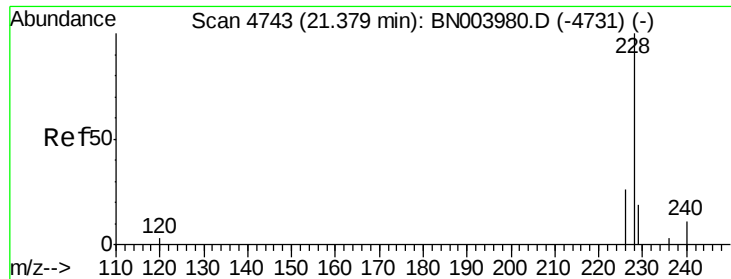


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.432 ng/ul

RT: 21.39 min Scan# 4746

Delta R.T. 0.01 min

Lab File: BN003987.D

Acq: 16 Dec 2018 08:51

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

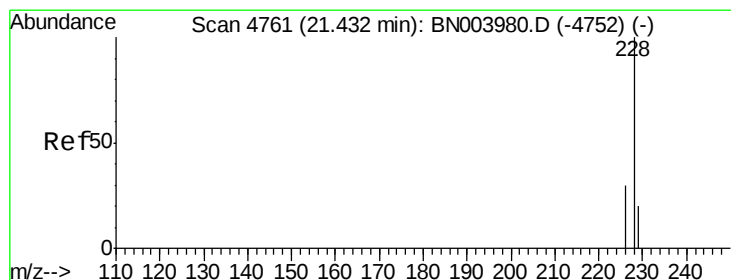
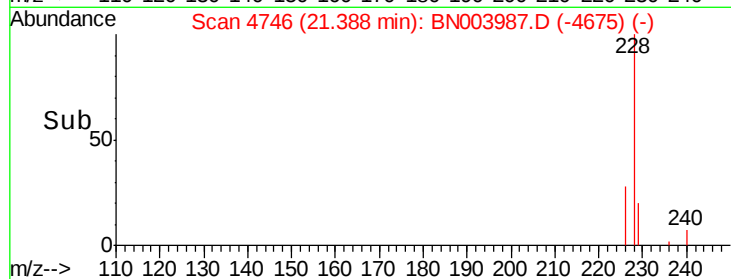
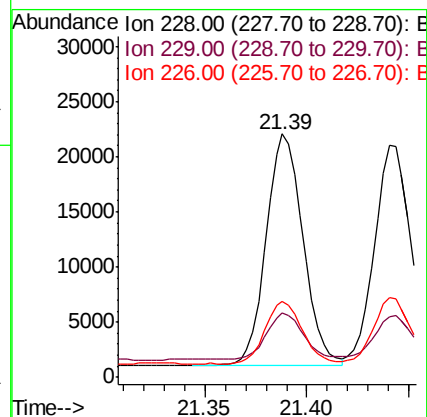
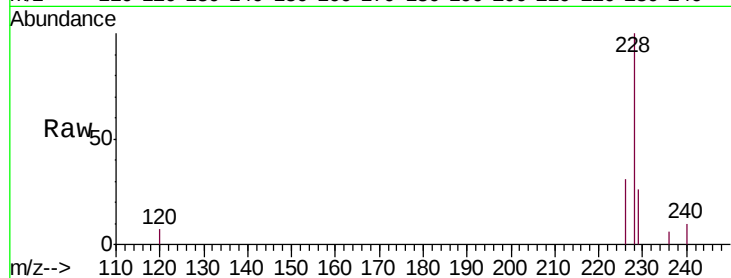
Tgt Ion:228 Resp: 26461

Ion Ratio Lower Upper

228 100

229 26.2 15.6 23.4#

226 31.4 21.1 31.7



#19

Chrysene

Concen: 0.357 ng/ul

RT: 21.44 min Scan# 4764

Delta R.T. 0.01 min

Lab File: BN003987.D

Acq: 16 Dec 2018 08:51

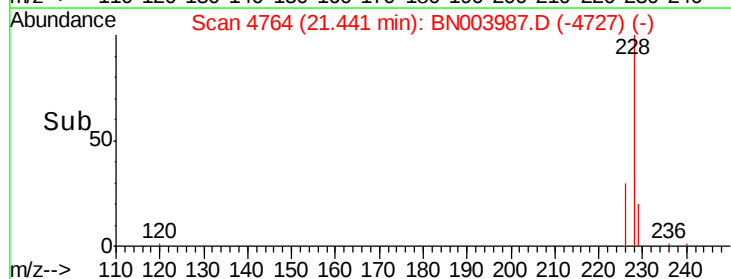
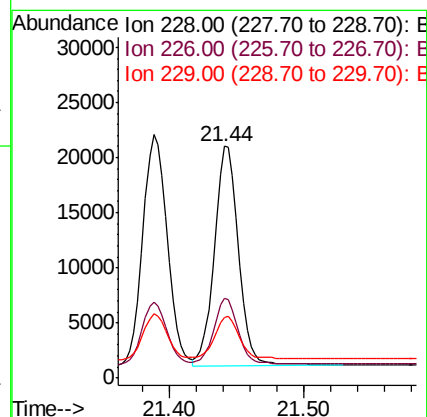
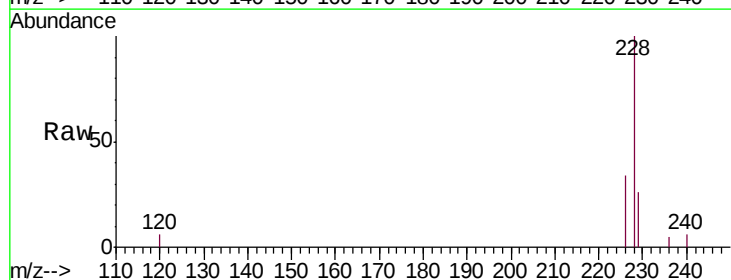
Tgt Ion:228 Resp: 25026

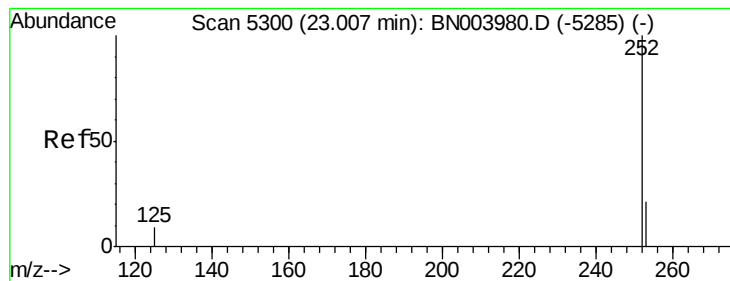
Ion Ratio Lower Upper

228 100

226 34.3 24.0 36.0

229 26.4 15.7 23.5#





#21

Benzo(b)fluoranthene

Concen: 0.348 ng/ul

RT: 23.02 min Scan# 5306

Delta R.T. 0.02 min

Lab File: BN003987.D

Acq: 16 Dec 2018 08:51

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

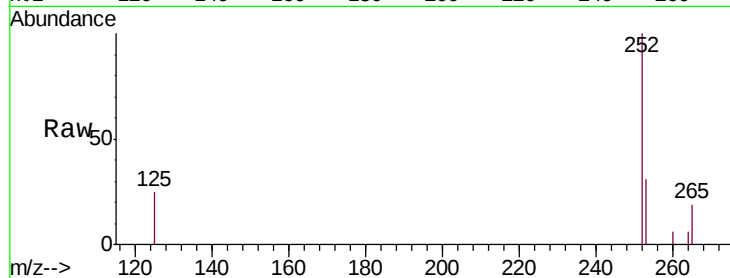
Tgt Ion:252 Resp: 24124

Ion Ratio Lower Upper

252 100

253 30.9 0.0 46.0

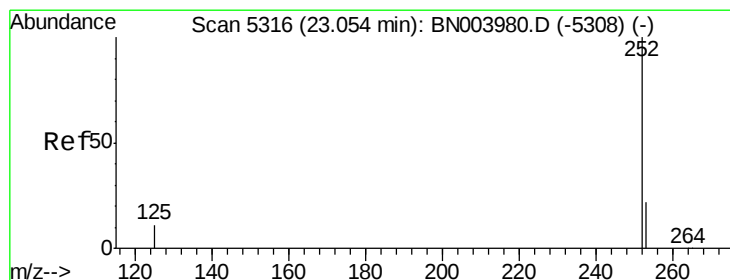
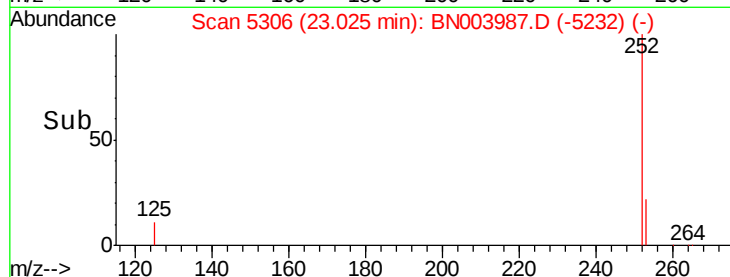
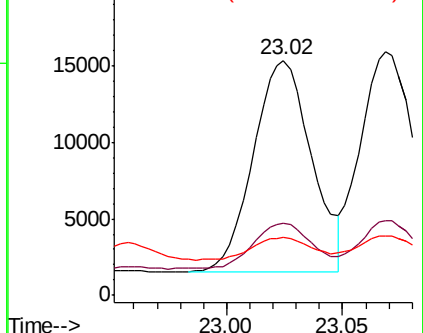
125 24.7 0.0 22.4#



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: 0.354 ng/ul

RT: 23.07 min Scan# 5321

Delta R.T. 0.01 min

Lab File: BN003987.D

Acq: 16 Dec 2018 08:51

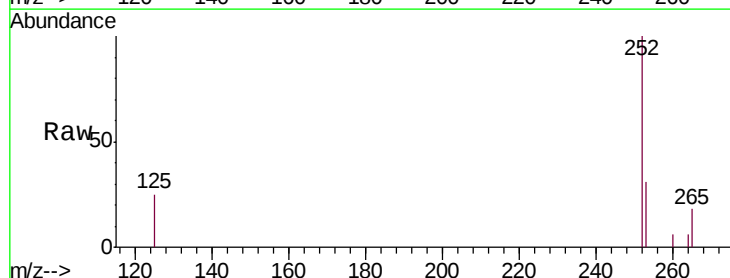
Tgt Ion:252 Resp: 23912

Ion Ratio Lower Upper

252 100

253 30.7 18.5 27.7#

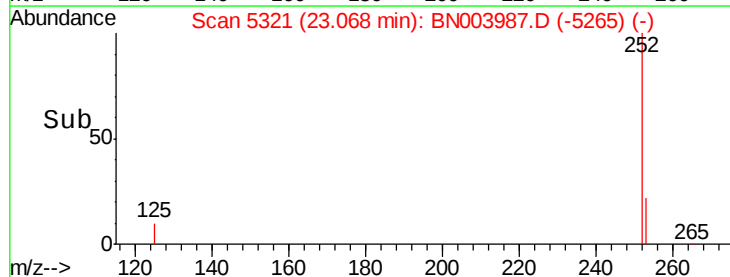
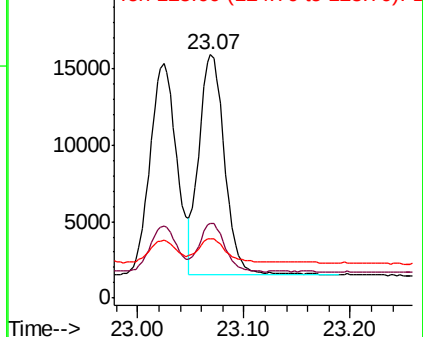
125 24.6 9.0 13.6#

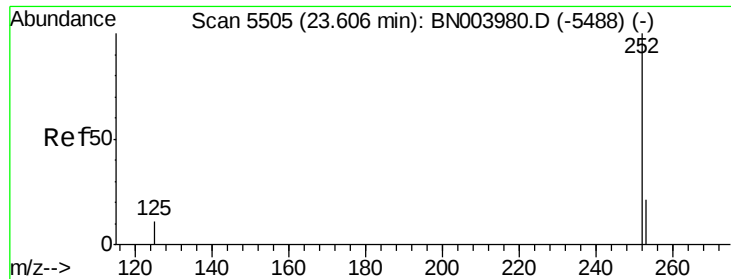


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.375 ng/u1

RT: 23.63 min Scan# 5512

Delta R.T. 0.02 min

Lab File: BN003987.D

Acq: 16 Dec 2018 08:51

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

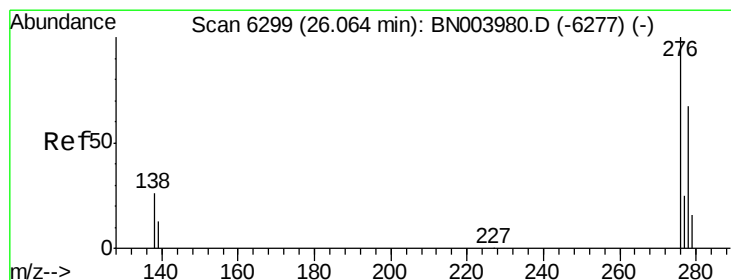
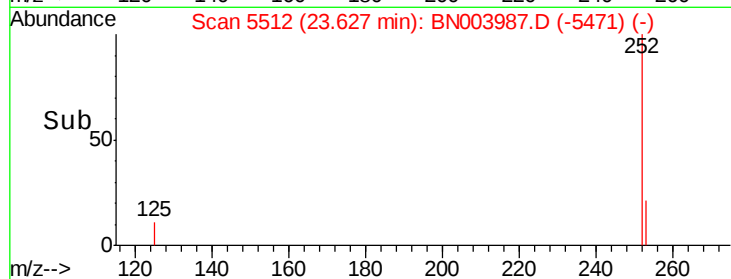
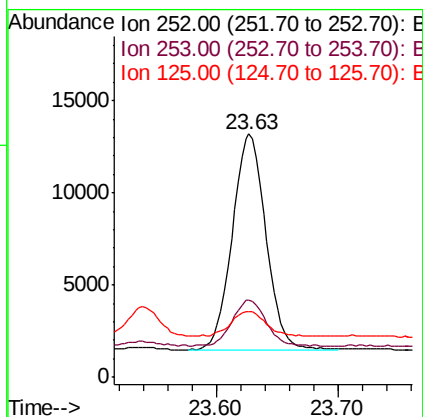
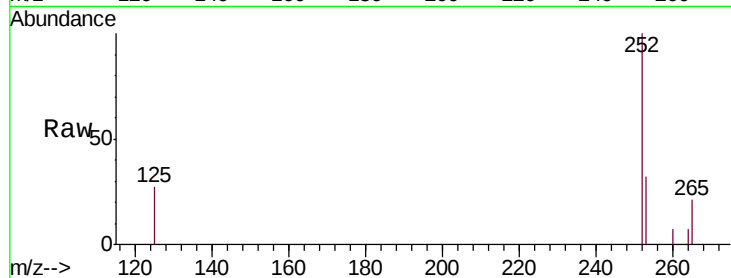
Tgt Ion:252 Resp: 22509

Ion Ratio Lower Upper

252 100

253 31.7 19.0 28.4#

125 27.1 10.2 15.4#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.377 ng/u1

RT: 26.09 min Scan# 6308

Delta R.T. 0.03 min

Lab File: BN003987.D

Acq: 16 Dec 2018 08:51

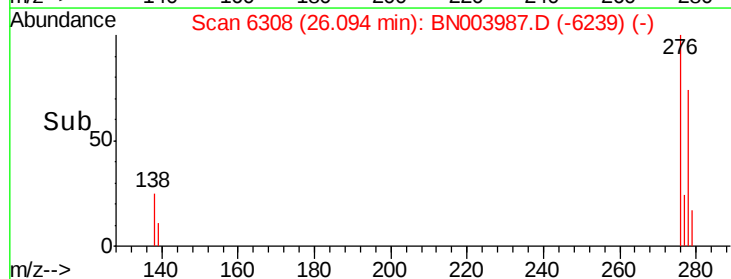
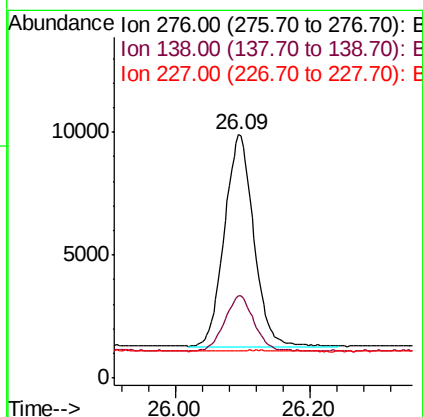
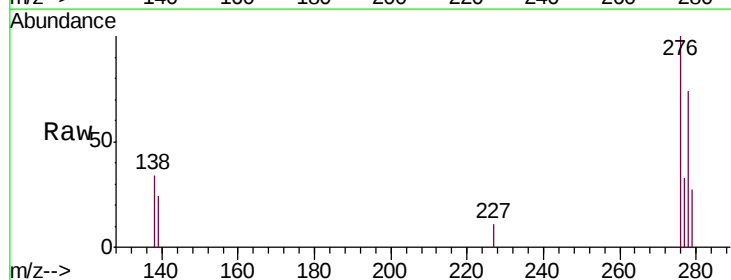
Tgt Ion:276 Resp: 25930

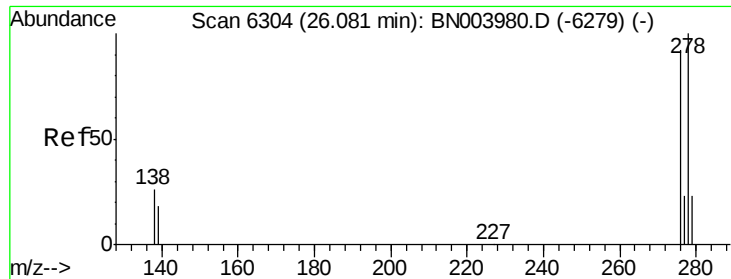
Ion Ratio Lower Upper

276 100

138 25.9 20.3 30.5

227 0.1 0.2 0.2#

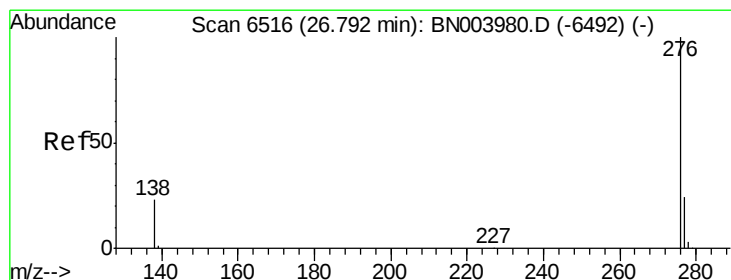
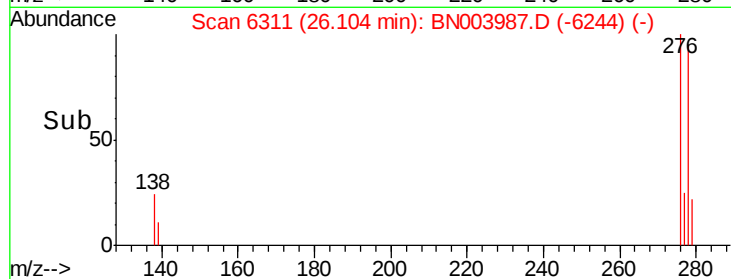
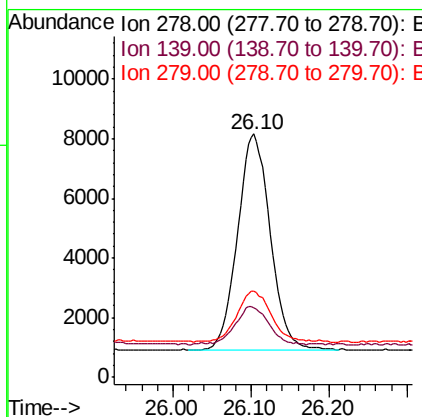
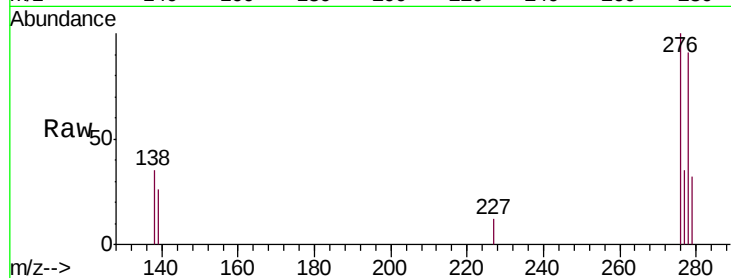




#25
Dibenzo(a,h)anthracene
Concen: 0.382 ng/ul
RT: 26.10 min Scan# 6311
Delta R.T. 0.02 min
Lab File: BN003987.D
Acq: 16 Dec 2018 08:51

Instrument :
BNA_N
ClientSampleId :
SSTD0.420

Tgt Ion: 278 Resp: 21142
Ion Ratio Lower Upper
278 100
139 28.8 14.2 21.4#
279 35.3 19.8 29.6#



#26
Benzo(g,h,i)perylene
Concen: 0.360 ng/ul
RT: 26.82 min Scan# 6525
Delta R.T. 0.03 min
Lab File: BN003987.D
Acq: 16 Dec 2018 08:51

Tgt Ion: 276 Resp: 21490
Ion Ratio Lower Upper
276 100
138 32.3 17.7 26.5#
277 34.7 19.3 28.9#

