

Data File : BN003980.D
Acq On : 16 Dec 2018 04:44
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.419

Quant Time: Dec 16 23:56:31 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 : Sat Dec 15 23:04:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1622	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	8459	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5099	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.22	188	12816	0.40	ng/ul	0.00
16) Chrysene-d12	21.39	240	17052	0.40	ng/ul	0.00
20) Perylene-d12	23.71	264	15262	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	5086	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	15736	0.42	ng/ul	0.00

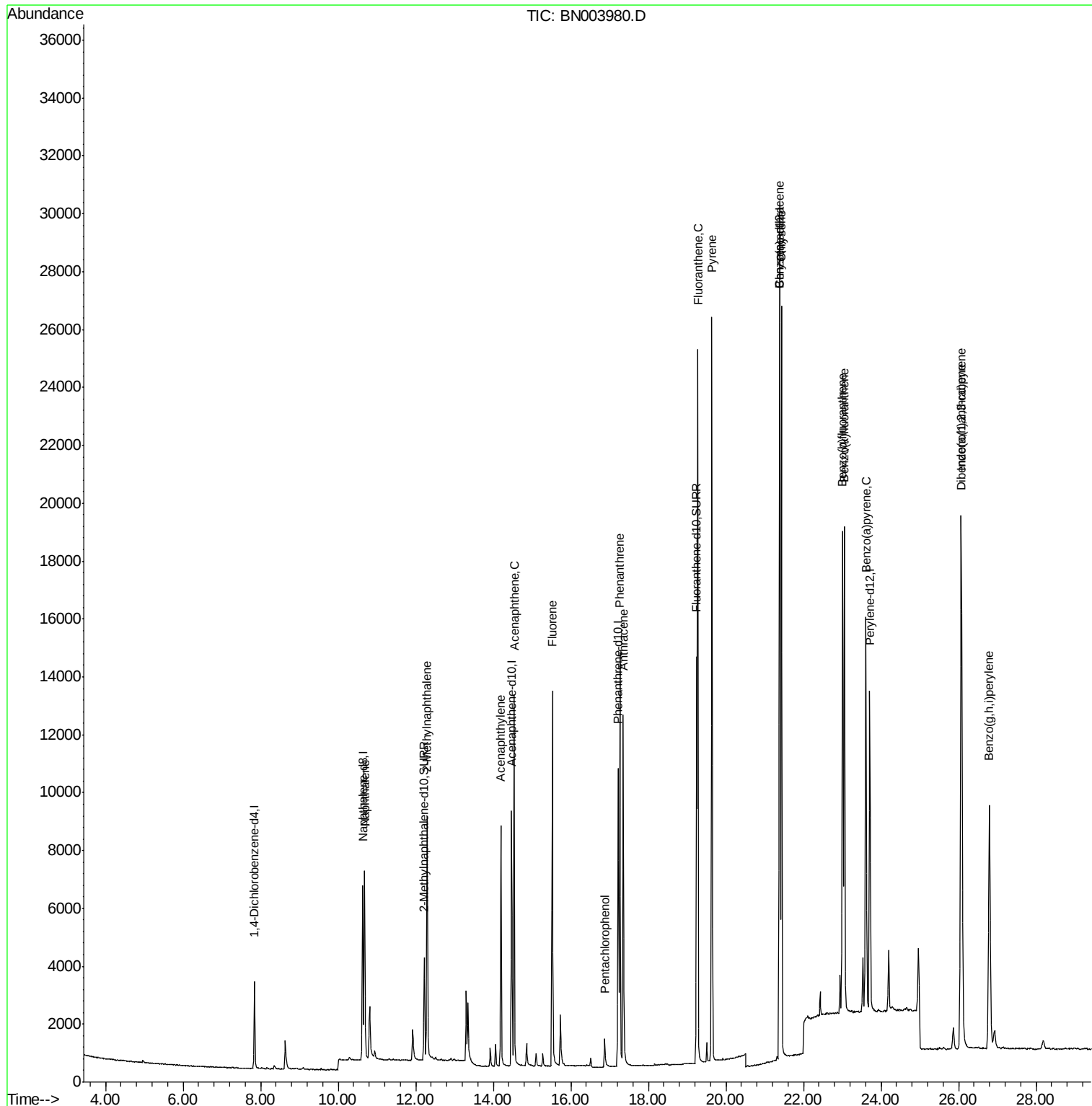
Target Compounds					Qvalue
3) Naphthalene	10.68	128	8978	0.378	ng/ul 98
5) 2-Methylnaphthalene	12.29	142	6576	0.396	ng/ul 99
7) Acenaphthylene	14.19	152	10063	0.438	ng/ul 99
8) Acenaphthene	14.53	153	7678	0.382	ng/ul 99
9) Fluorene	15.52	166	8885	0.379	ng/ul 100
11) Pentachlorophenol	16.87	266	967	0.419	ng/ul 99
12) Phenanthrene	17.26	178	15492	0.368	ng/ul 99
13) Anthracene	17.35	178	14667	0.424	ng/ul 99
15) Fluoranthene	19.27	202	20835	0.419	ng/ul 96
17) Pyrene	19.64	202	21860	0.357	ng/ul 99
18) Benzo(a)anthracene	21.38	228	22891	0.425	ng/ul 99
19) Chrysene	21.43	228	22348	0.363	ng/ul 99
21) Benzo(b)fluoranthene	23.01	252	21961	0.348	ng/ul 96
22) Benzo(k)fluoranthene	23.05	252	21970	0.357	ng/ul# 96
23) Benzo(a)pyrene	23.61	252	20441	0.374	ng/ul# 96
24) Indeno(1,2,3-cd)pyrene	26.06	276	22636	0.361	ng/ul# 98
25) Dibenzo(a,h)anthracene	26.08	278	18379	0.364	ng/ul 95
26) Benzo(g,h,i)perylene	26.79	276	18699	0.343	ng/ul 95

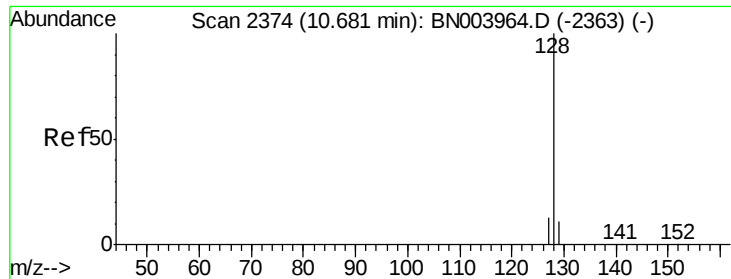
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.378 ng/u1

RT: 10.68 min Scan# 2374

Delta R.T. 0.00 min

Lab File: BN003980.D

Acq: 16 Dec 2018 04:44

Instrument :

BNA_N

ClientSampleId :

SSTD0.419

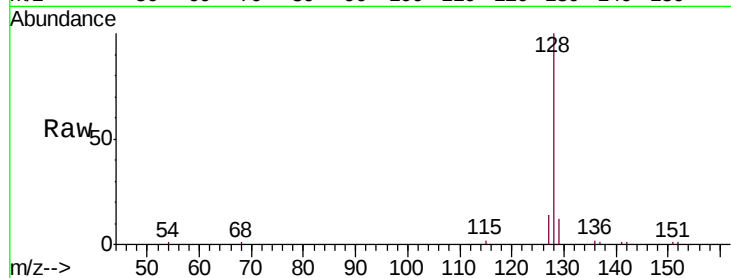
Tgt Ion:128 Resp: 8978

Ion Ratio Lower Upper

128 100

129 12.0 9.0 13.6

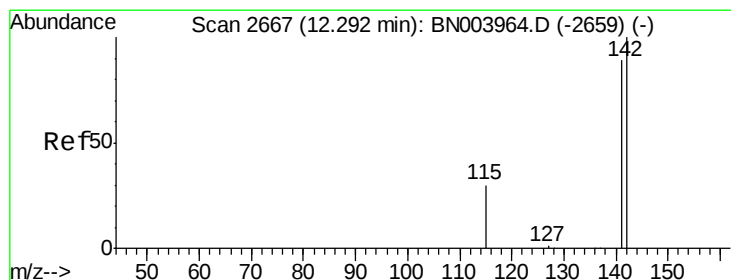
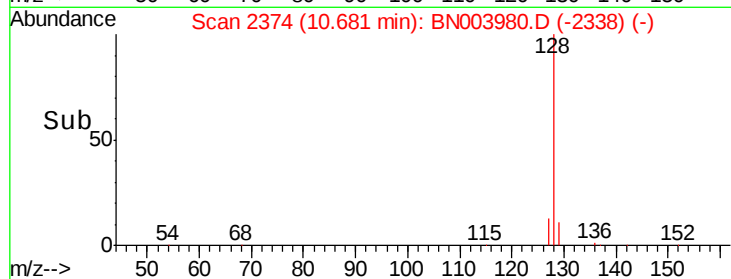
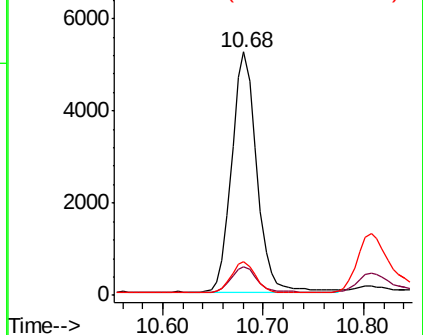
127 13.8 10.5 15.7



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: 0.396 ng/u1

RT: 12.29 min Scan# 2667

Delta R.T. 0.00 min

Lab File: BN003980.D

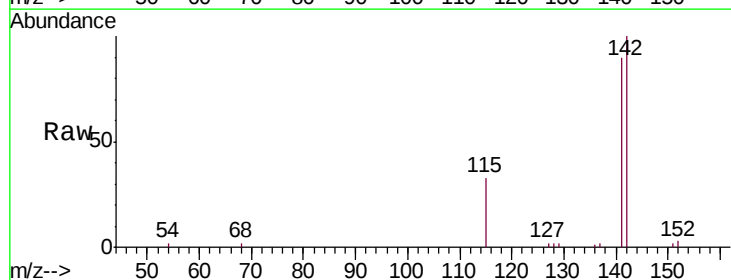
Acq: 16 Dec 2018 04:44

Tgt Ion:142 Resp: 6576

Ion Ratio Lower Upper

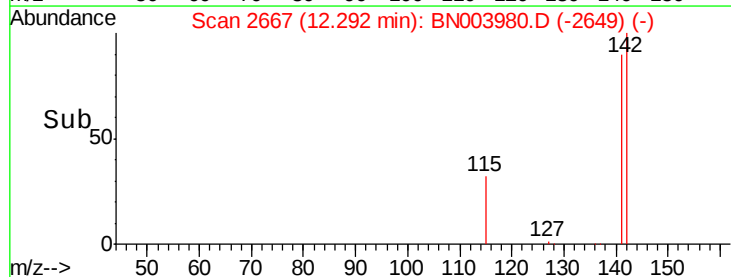
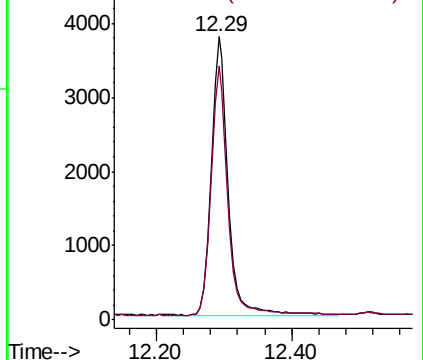
142 100

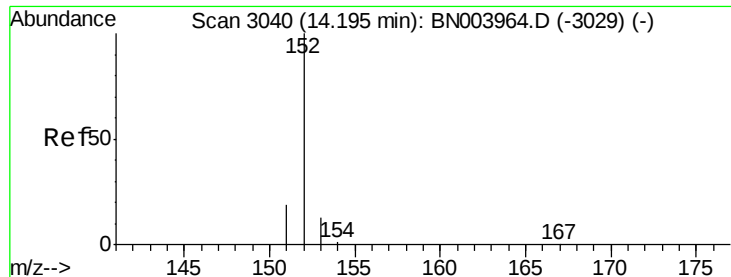
141 90.7 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.438 ng/ul

RT: 14.19 min Scan# 3040

Delta R.T. 0.00 min

Lab File: BN003980.D

Acq: 16 Dec 2018 04:44

Instrument :

BNA_N

ClientSampleId :

SSTD0.419

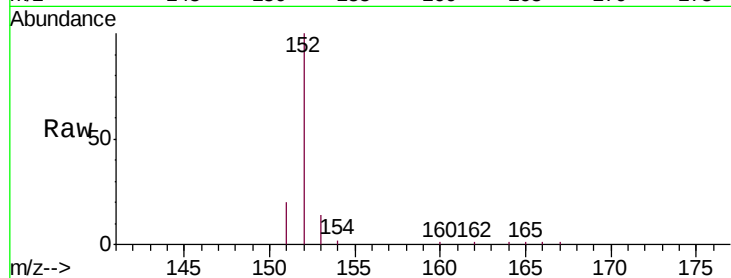
Tgt Ion:152 Resp: 10063

Ion Ratio Lower Upper

152 100

151 20.3 15.9 23.9

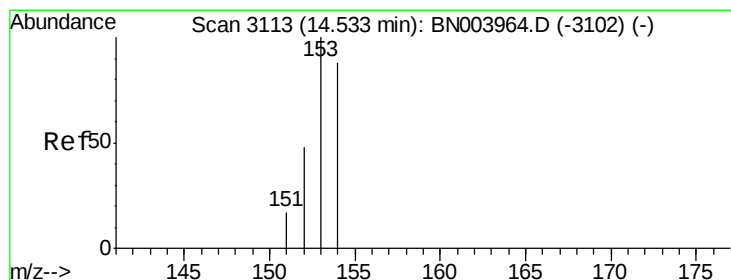
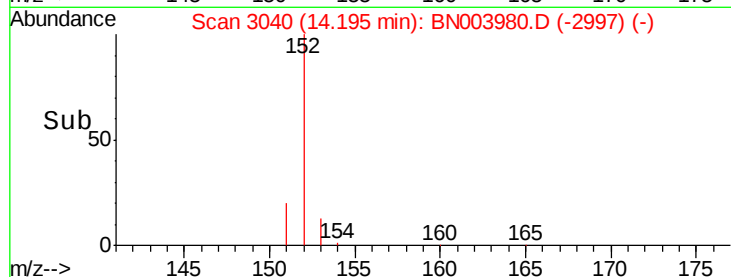
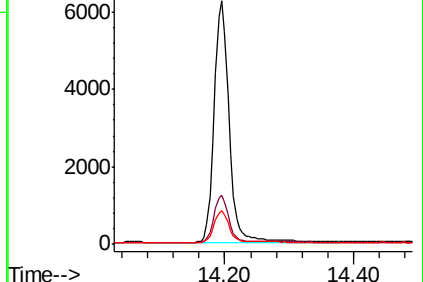
153 13.7 10.7 16.1



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: 0.382 ng/ul

RT: 14.53 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BN003980.D

Acq: 16 Dec 2018 04:44

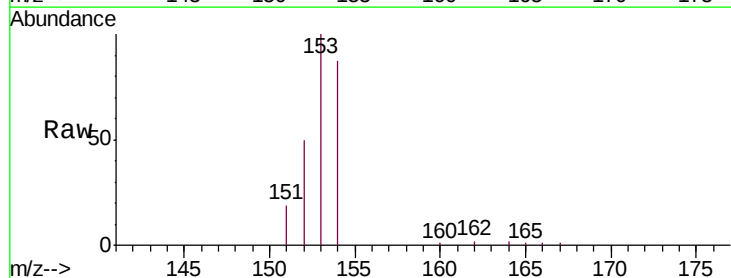
Tgt Ion:153 Resp: 7678

Ion Ratio Lower Upper

153 100

152 49.7 39.3 58.9

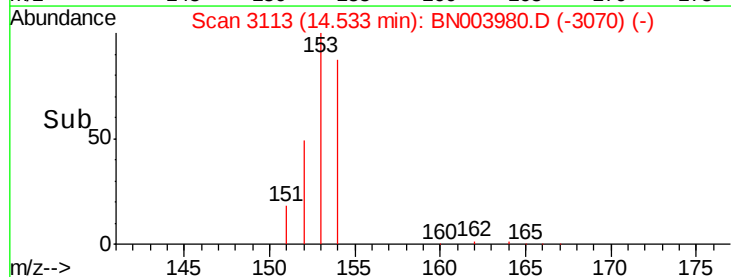
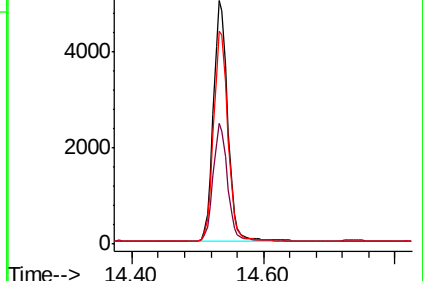
154 87.3 70.3 105.5

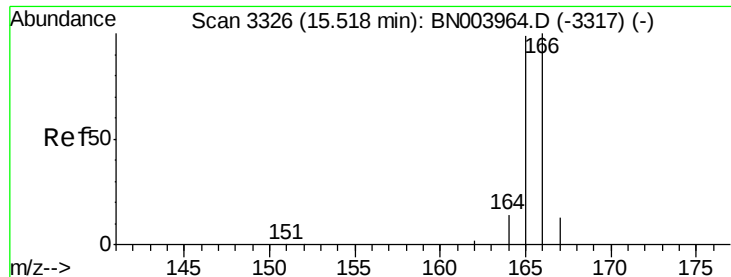


Abundance Ion 153.00 (152.70 to 153.70): E

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: BN003980.D

Acq: 16 Dec 2018 04:44

Instrument :

BNA_N

ClientSampleId :

SSTD0.419

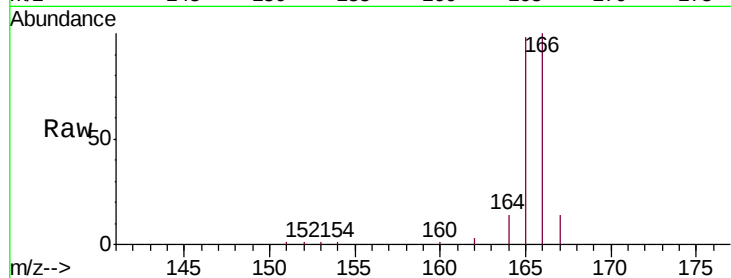
Tgt Ion:166 Resp: 8885

Ion Ratio Lower Upper

166 100

165 98.2 78.3 117.5

167 14.1 11.3 16.9

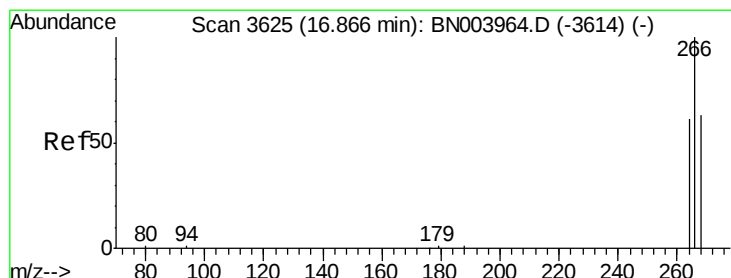
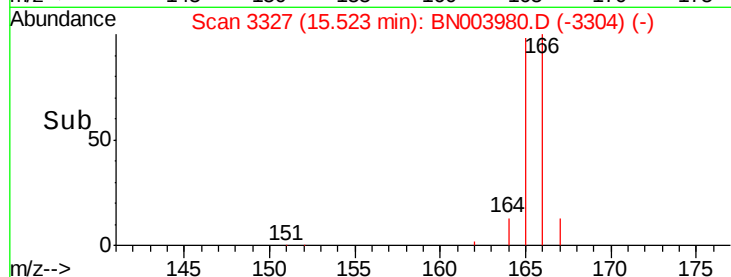
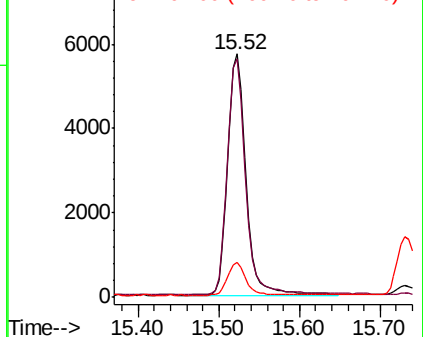


Abundance

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: 0.419 ng/ul

RT: 16.87 min Scan# 3626

Delta R.T. 0.00 min

Lab File: BN003980.D

Acq: 16 Dec 2018 04:44

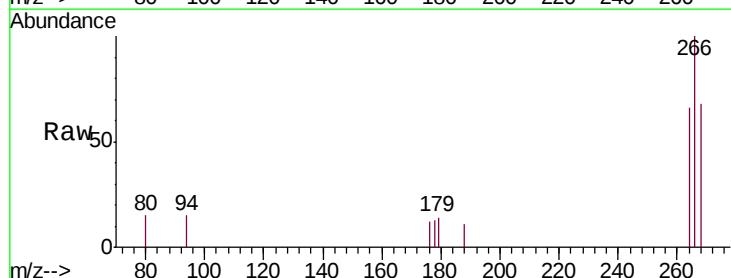
Tgt Ion:266 Resp: 967

Ion Ratio Lower Upper

266 100

264 61.9 49.4 74.2

268 62.6 51.7 77.5

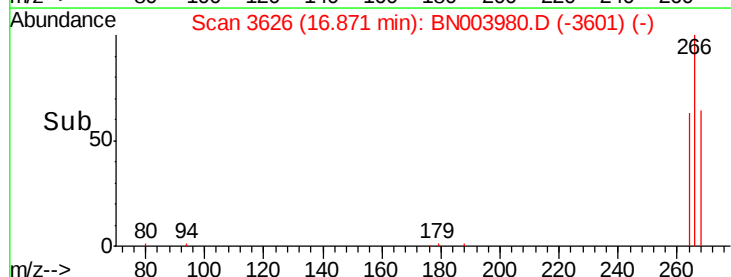
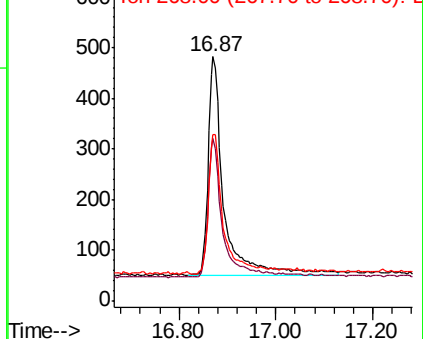


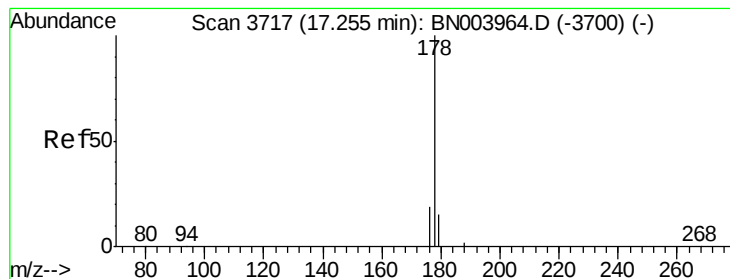
Abundance

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: 0.368 ng/ul

RT: 17.26 min Scan# 3718

Delta R.T. 0.00 min

Lab File: BN003980.D

Acq: 16 Dec 2018 04:44

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SSTD0.419

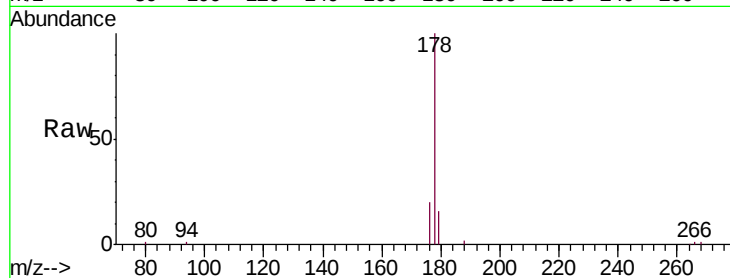
Tgt Ion:178 Resp: 15492

Ion Ratio Lower Upper

178 100

179 15.8 12.5 18.7

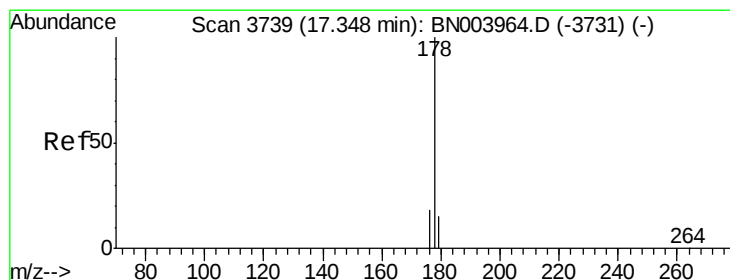
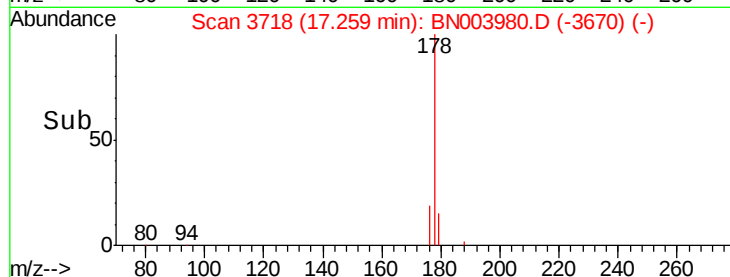
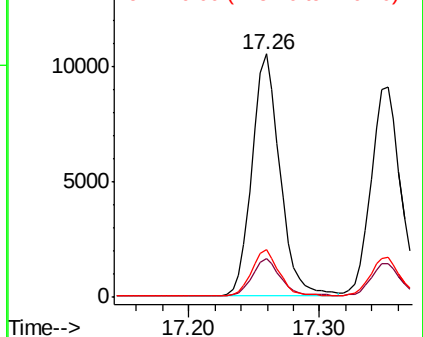
176 19.6 15.0 22.4



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: 0.424 ng/ul

RT: 17.35 min Scan# 3740

Delta R.T. 0.00 min

Lab File: BN003980.D

Acq: 16 Dec 2018 04:44

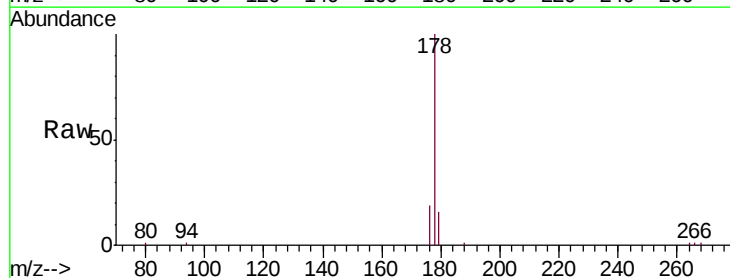
Tgt Ion:178 Resp: 14667

Ion Ratio Lower Upper

178 100

179 16.0 12.3 18.5

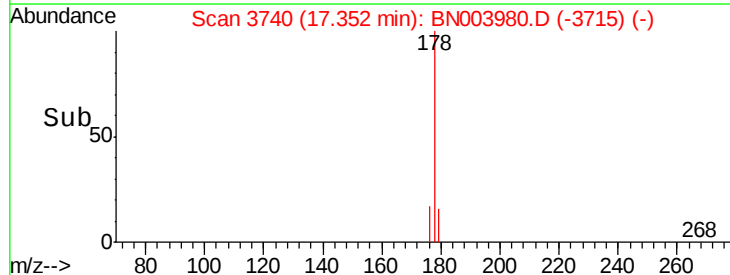
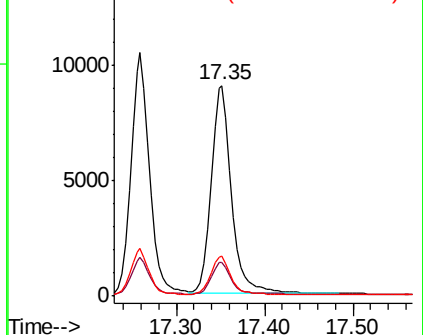
176 18.8 14.8 22.2

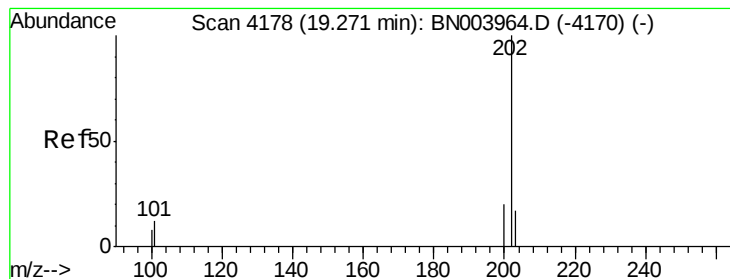


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.419 ng/ul

RT: 19.27 min Scan# 4178

Delta R.T. 0.00 min

Lab File: BN003980.D

Acq: 16 Dec 2018 04:44

Instrument :

BNA_N

ClientSampleId :

SSTD0.419

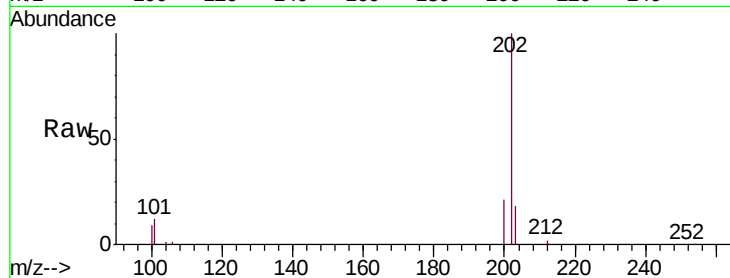
Tgt Ion:202 Resp: 20835

Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.7

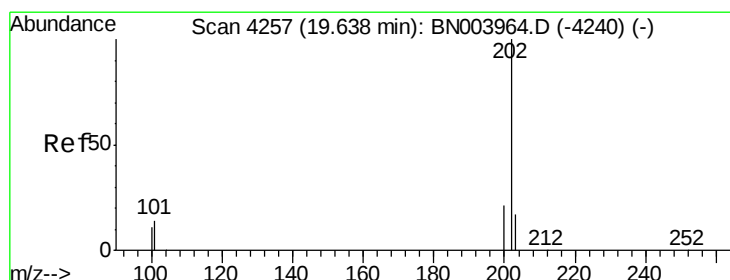
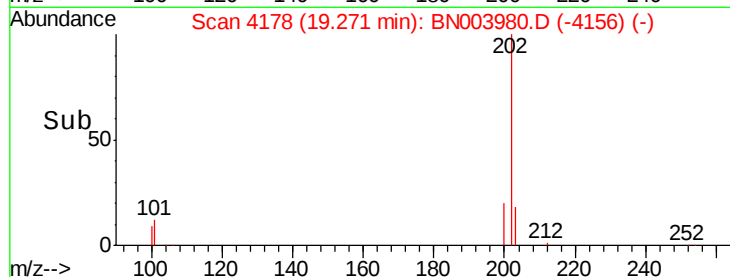
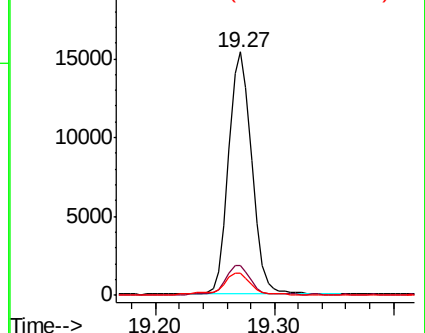
100 9.3 0.0 28.1



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: 0.357 ng/ul

RT: 19.64 min Scan# 4257

Delta R.T. 0.00 min

Lab File: BN003980.D

Acq: 16 Dec 2018 04:44

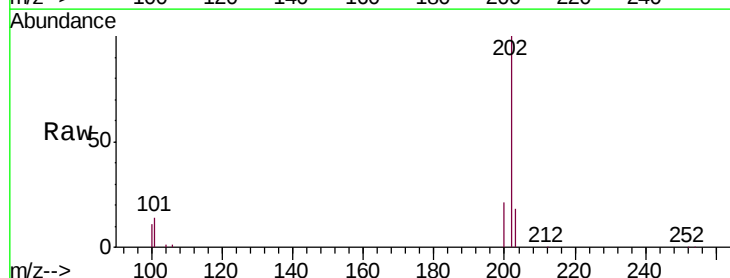
Tgt Ion:202 Resp: 21860

Ion Ratio Lower Upper

202 100

101 13.7 10.3 15.5

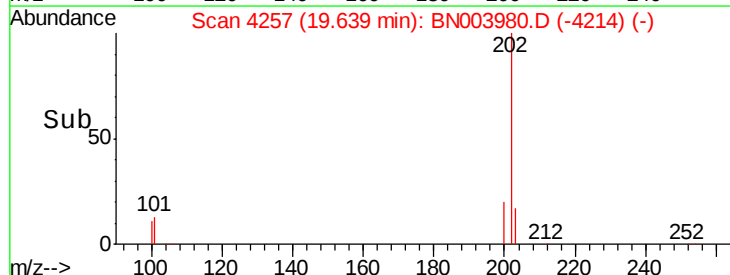
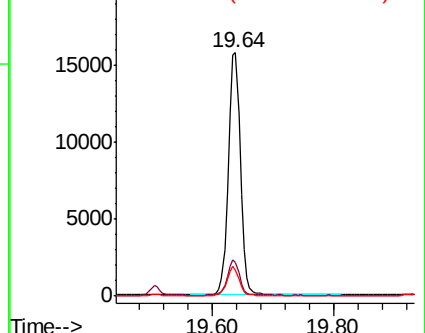
100 10.8 8.5 12.7

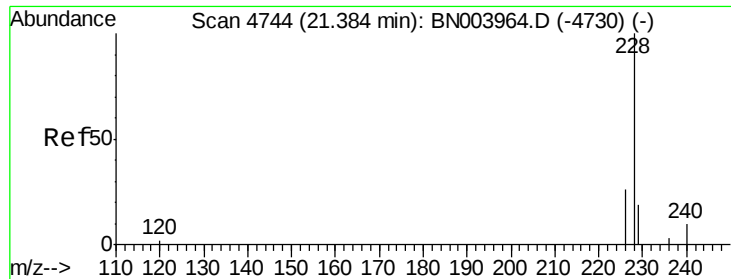


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.425 ng/ul

RT: 21.38 min Scan# 4743

Delta R.T. -0.00 min

Lab File: BN003980.D

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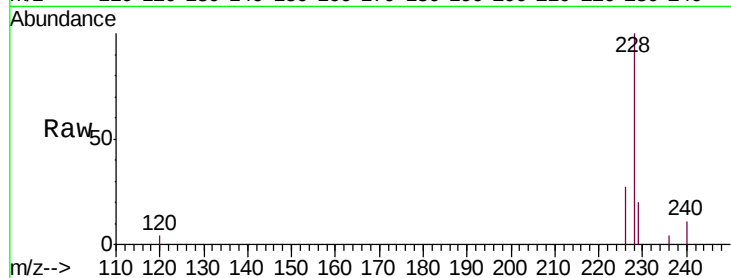
Tgt Ion:228 Resp: 22891

Ion Ratio Lower Upper

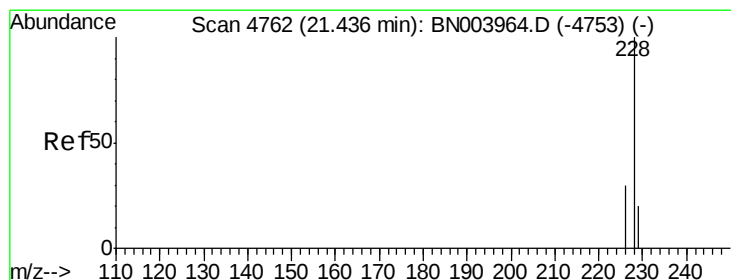
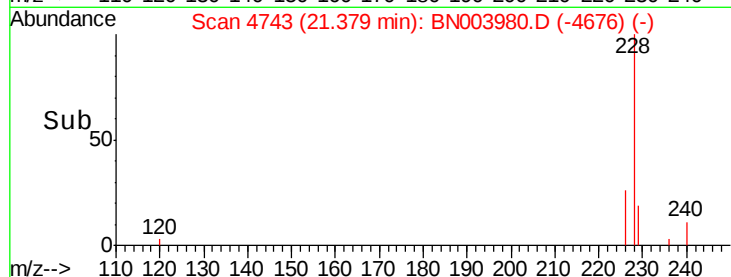
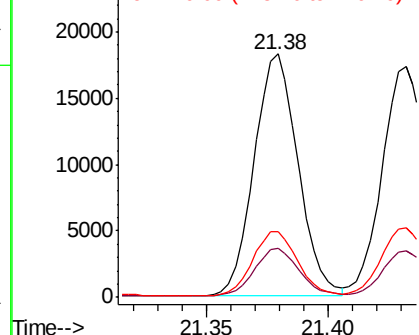
228 100

229 20.0 15.6 23.4

226 26.9 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: 0.363 ng/ul

RT: 21.43 min Scan# 4761

Delta R.T. -0.00 min

Lab File: BN003980.D

Acq: 16 Dec 2018 04:44

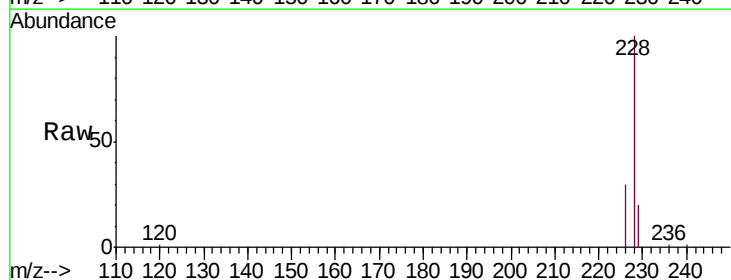
Tgt Ion:228 Resp: 22348

Ion Ratio Lower Upper

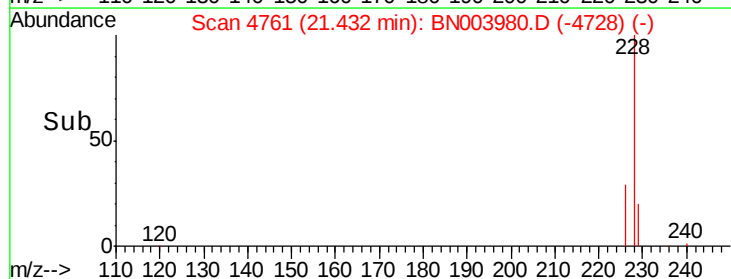
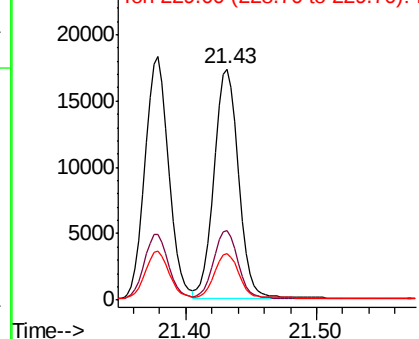
228 100

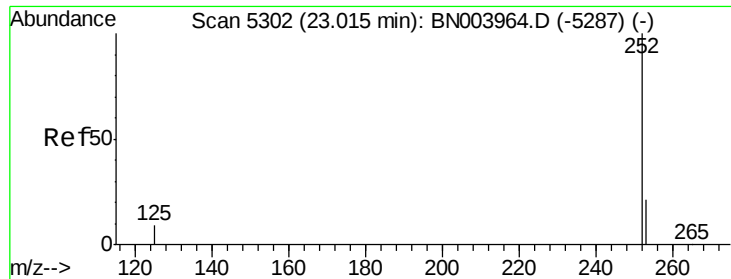
226 29.9 24.0 36.0

229 20.3 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: 23.01 min Scan# 5300

Delta R.T. -0.01 min

Lab File: BN003980.D

Acq: 16 Dec 2018 04:44

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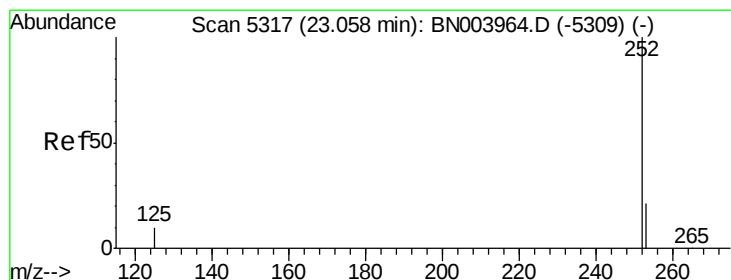
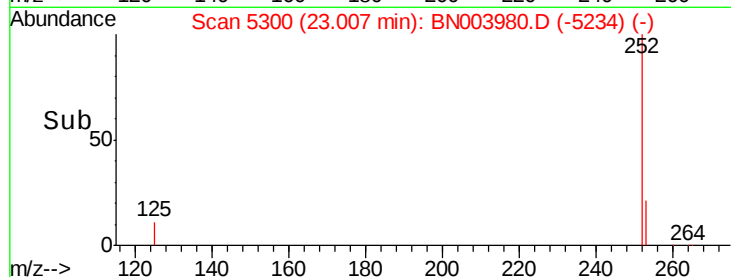
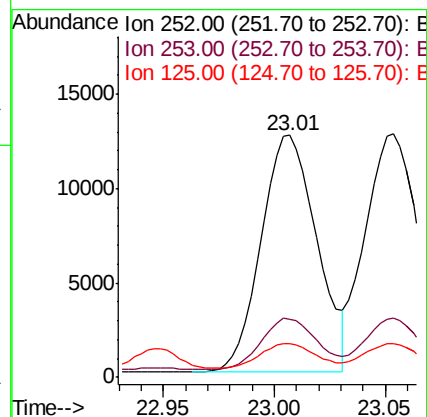
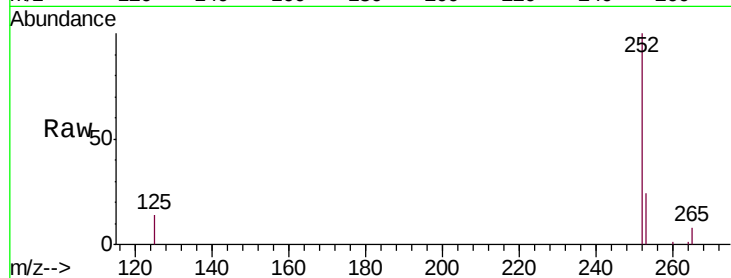
Tgt Ion:252 Resp: 21961

Ion Ratio Lower Upper

252 100

253 24.1 0.0 46.0

125 13.9 0.0 22.4



#22

Benzo(k)fluoranthene

Concen: 0.357 ng/ul

RT: 23.05 min Scan# 5316

Delta R.T. -0.00 min

Lab File: BN003980.D

Acq: 16 Dec 2018 04:44

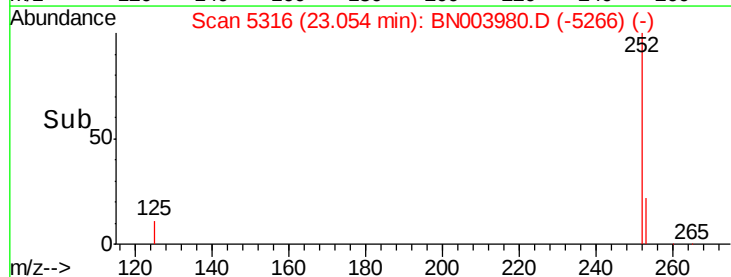
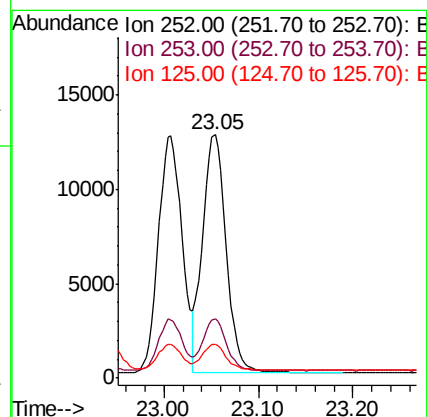
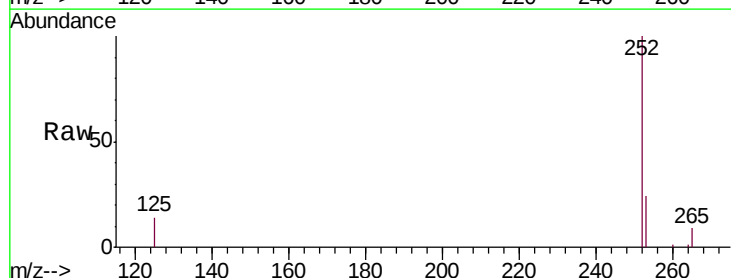
Tgt Ion:252 Resp: 21970

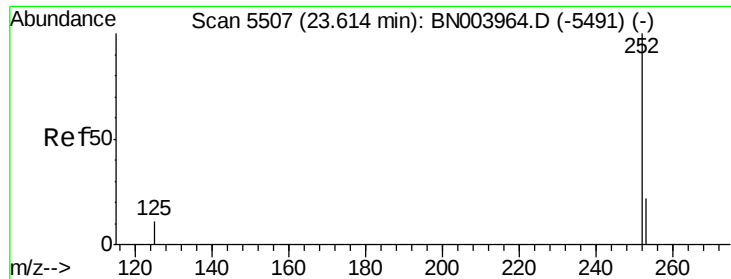
Ion Ratio Lower Upper

252 100

253 24.3 18.5 27.7

125 13.9 9.0 13.6#





#23

Benzo(a)pyrene

Concen: 0.374 ng/u1

RT: 23.61 min Scan# 5505

Delta R.T. -0.01 min

Lab File: BN003980.D

Acq: 16 Dec 2018 04:44

Instrument :

BNA_N

ClientSampleId :

SSTD0.419

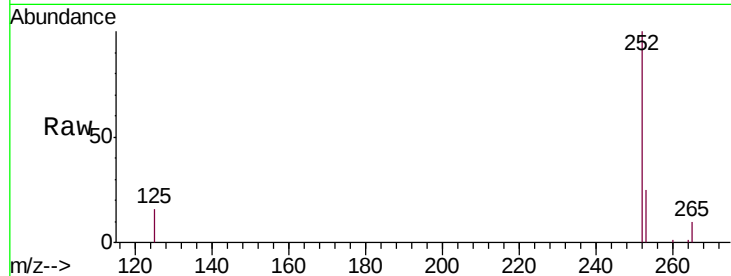
Tgt Ion:252 Resp: 20441

Ion Ratio Lower Upper

252 100

253 24.8 19.0 28.4

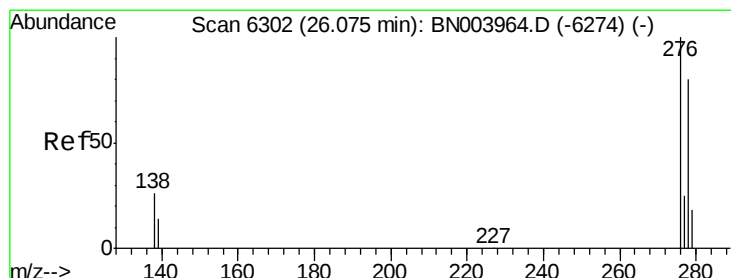
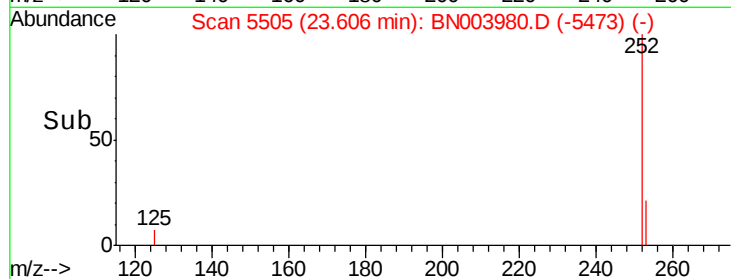
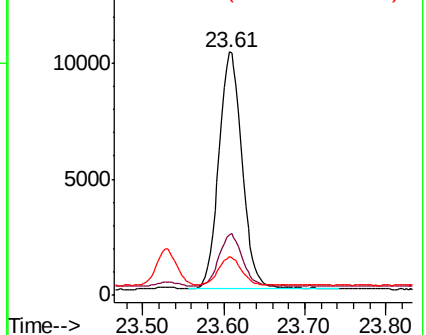
125 15.8 10.2 15.4#



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: 0.361 ng/u1

RT: 26.06 min Scan# 6299

Delta R.T. -0.01 min

Lab File: BN003980.D

Acq: 16 Dec 2018 04:44

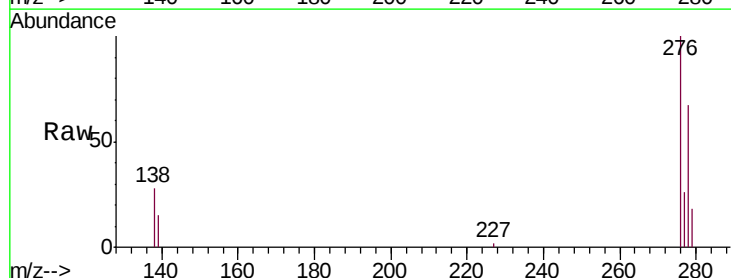
Tgt Ion:276 Resp: 22636

Ion Ratio Lower Upper

276 100

138 26.4 20.3 30.5

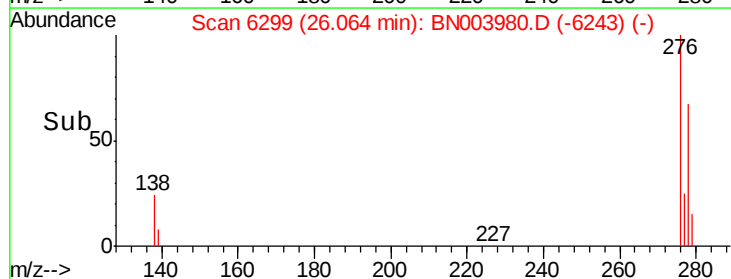
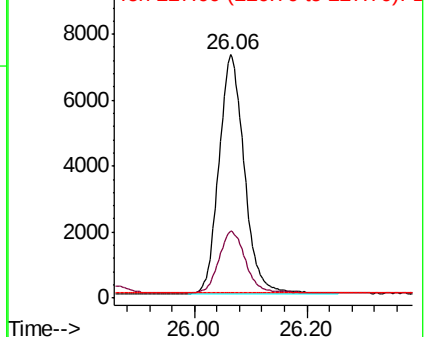
227 0.1 0.2 0.2#

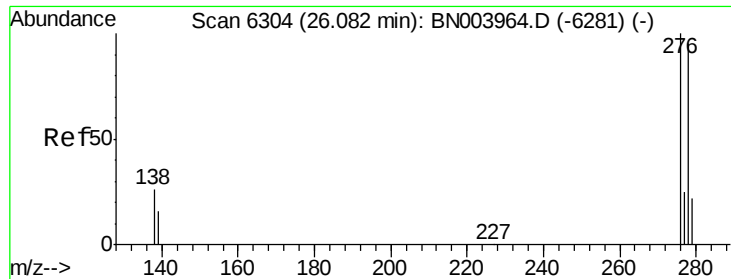


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

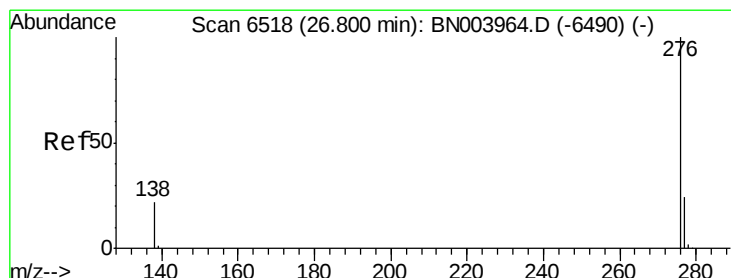
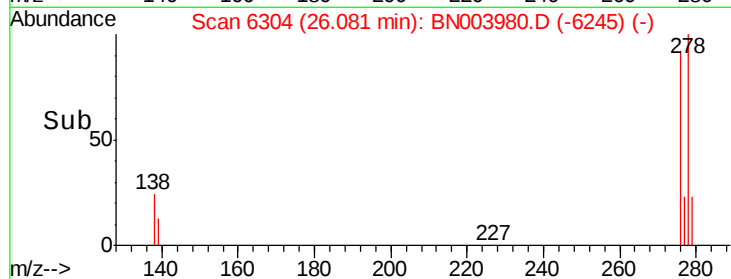
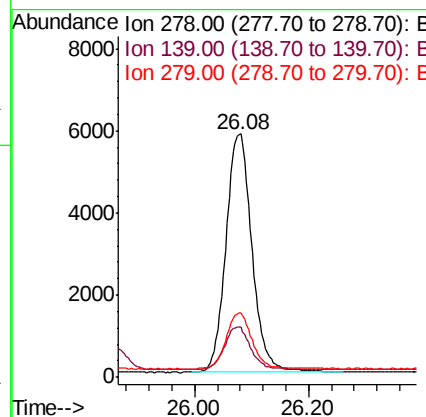
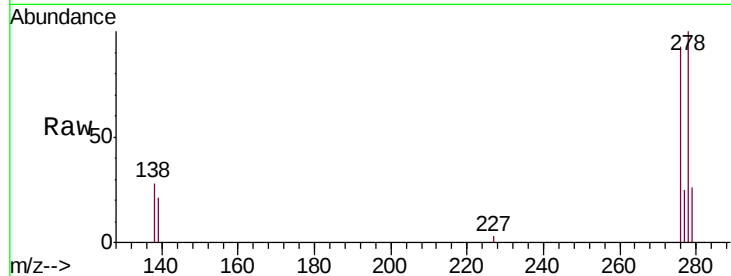




#25
Dibenzo(a,h)anthracene
Concen: 0.364 ng/ul
RT: 26.08 min Scan# 6304
Delta R.T. -0.00 min
Lab File: BN003980.D
Acq: 16 Dec 2018 04:44

Instrument :
BNA_N
ClientSampleId :
SSTD0.419

Tgt Ion: 278 Resp: 18379
Ion Ratio Lower Upper
278 100
139 20.7 14.2 21.4
279 26.3 19.8 29.6



#26
Benzo(g,h,i)perylene
Concen: 0.343 ng/ul
RT: 26.79 min Scan# 6516
Delta R.T. -0.01 min
Lab File: BN003980.D
Acq: 16 Dec 2018 04:44

Tgt Ion: 276 Resp: 18699
Ion Ratio Lower Upper
276 100
138 25.0 17.7 26.5
277 25.8 19.3 28.9

