

Data File : BN003964.D
Acq On : 15 Dec 2018 18:38
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.418

Quant Time: Dec 15 22:02:57 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 21:58:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1929	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	9849	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5818	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.22	188	14457	0.40	ng/ul	0.00
16) Chrysene-d12	21.40	240	18093	0.40	ng/ul	0.00
20) Perylene-d12	23.72	264	15964	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.21	152	5884	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	16890	0.40	ng/ul	0.00

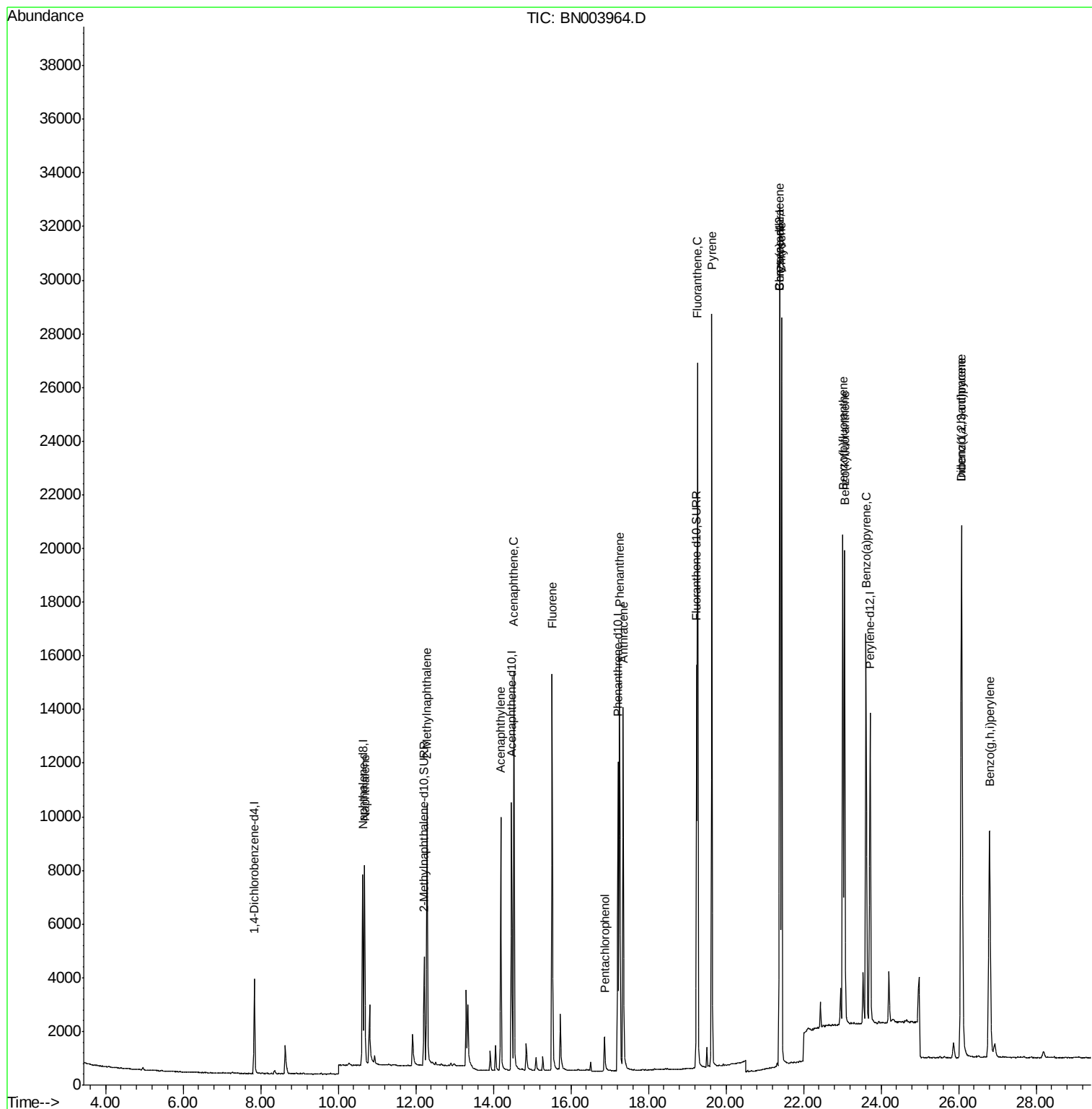
Target Compounds					Qvalue
3) Naphthalene	10.68	128	10418	0.377	ng/ul 99
5) 2-Methylnaphthalene	12.29	142	7657	0.396	ng/ul 99
7) Acenaphthylene	14.19	152	11296	0.431	ng/ul 100
8) Acenaphthene	14.53	153	8734	0.380	ng/ul 100
9) Fluorene	15.52	166	10033	0.375	ng/ul 99
11) Pentachlorophenol	16.87	266	1220	0.469	ng/ul 99
12) Phenanthrene	17.25	178	17322	0.365	ng/ul 99
13) Anthracene	17.35	178	16256	0.417	ng/ul 99
15) Fluoranthene	19.27	202	22483	0.401	ng/ul 96
17) Pyrene	19.64	202	23387	0.360	ng/ul 98
18) Benzo(a)anthracene	21.38	228	24327	0.426	ng/ul 99
19) Chrysene	21.44	228	23661	0.362	ng/ul 99
21) Benzo(b)fluoranthene	23.01	252	22975	0.348	ng/ul 97
22) Benzo(k)fluoranthene	23.06	252	23615	0.367	ng/ul 97
23) Benzo(a)pyrene	23.61	252	21430	0.375	ng/ul 97
24) Indeno(1,2,3-cd)pyrene	26.08	276	23423	0.357	ng/ul 98
25) Dibenzo(a,h)anthracene	26.08	278	19067	0.361	ng/ul 97
26) Benzo(g,h,i)perylene	26.80	276	19376	0.340	ng/ul 97

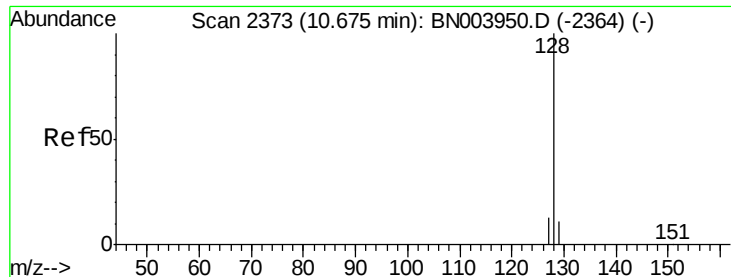
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 15 22:02:57 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN11918.M
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Response via : Initial Calibration





#3

Naphthalene

Concen: 0.377 ng/ul

RT: 10.68 min Scan# 2374

Delta R.T. 0.01 min

Lab File: BN003964.D

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Instrument :

BNA_N

ClientSampleId :

SSTD0.418

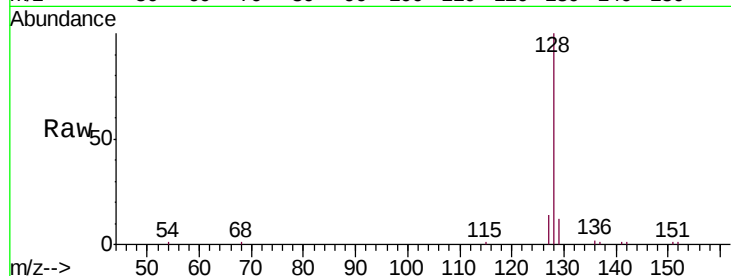
Tgt Ion:128 Resp: 10418

Ion Ratio Lower Upper

128 100

129 11.9 9.0 13.6

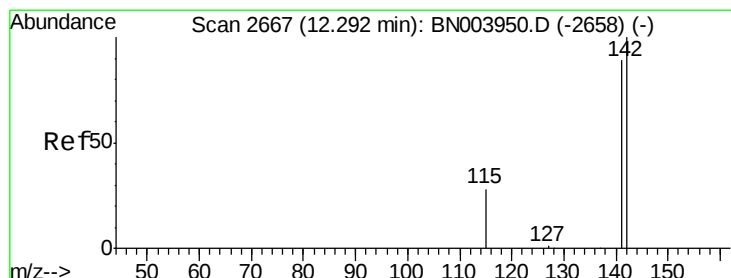
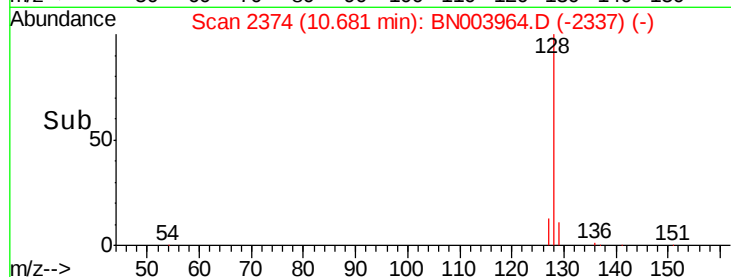
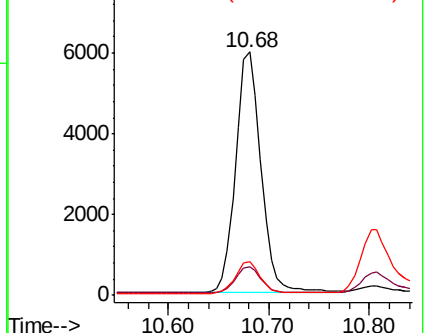
127 13.6 10.5 15.7



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: 0.396 ng/ul

RT: 12.29 min Scan# 2667

Delta R.T. -0.00 min

Lab File: BN003964.D

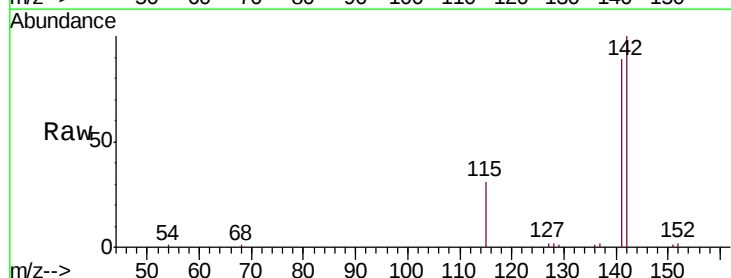
Acq: 15 Dec 2018 18:38

Tgt Ion:142 Resp: 7657

Ion Ratio Lower Upper

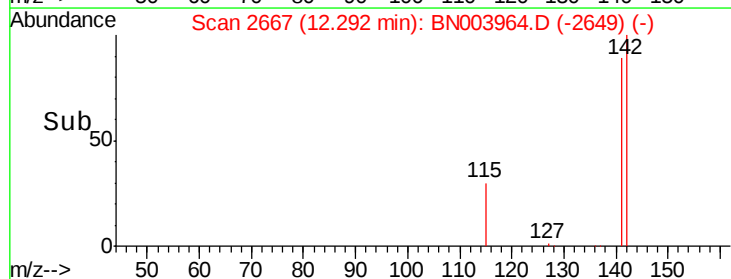
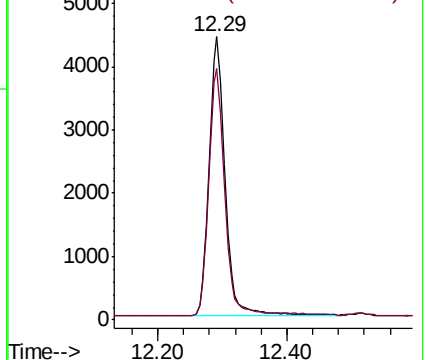
142 100

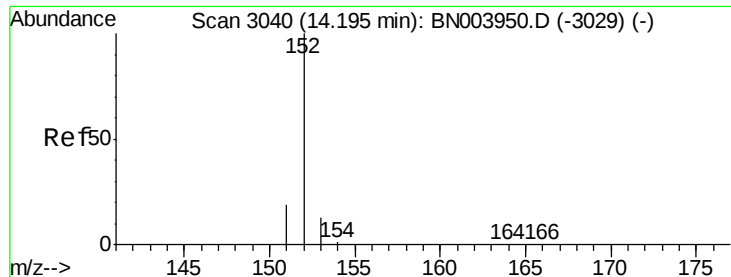
141 90.1 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.431 ng/ul

RT: 14.19 min Scan# 3040

Delta R.T. -0.00 min

Lab File: BN003964.D

Acq: 15 Dec 2018 18:38

Instrument :

BNA_N

ClientSampleId :

SSTD0.418

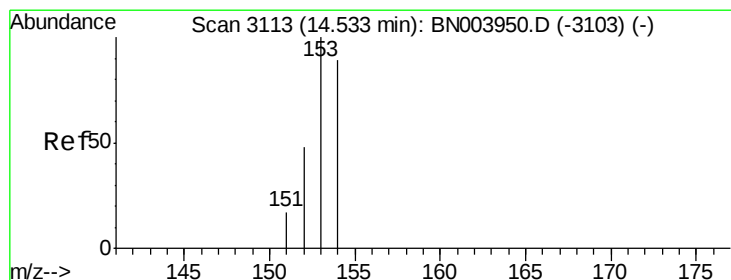
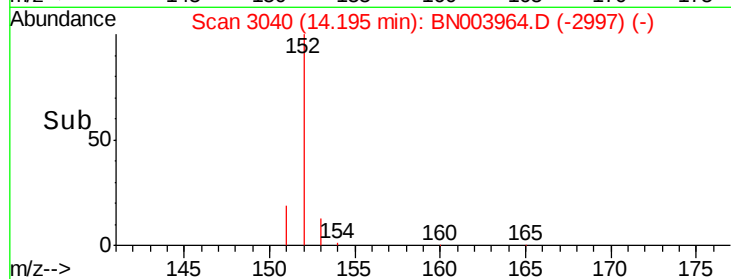
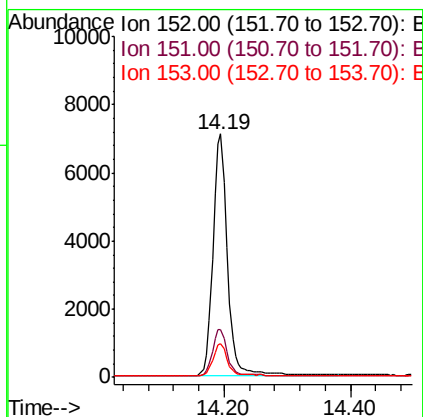
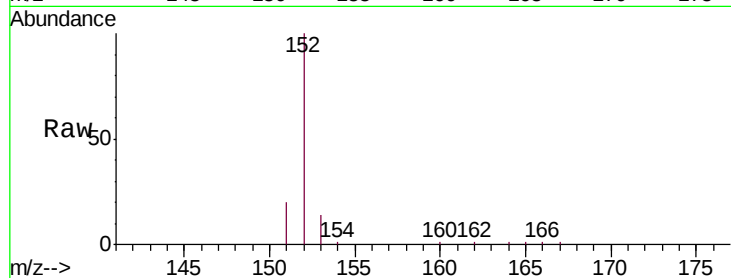
Tgt Ion:152 Resp: 11296

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

153 13.6 10.7 16.1



#8

Acenaphthene

Concen: 0.380 ng/ul

RT: 14.53 min Scan# 3113

Delta R.T. -0.00 min

Lab File: BN003964.D

Acq: 15 Dec 2018 18:38

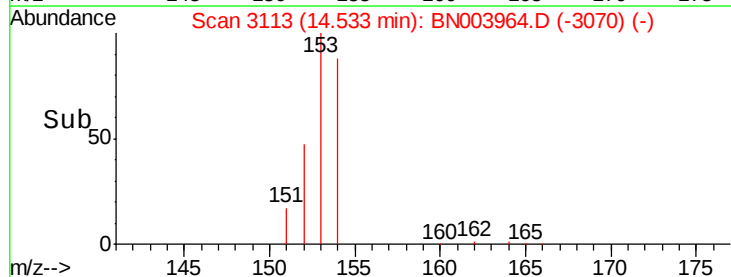
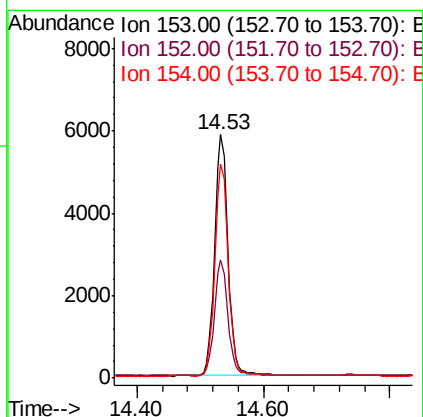
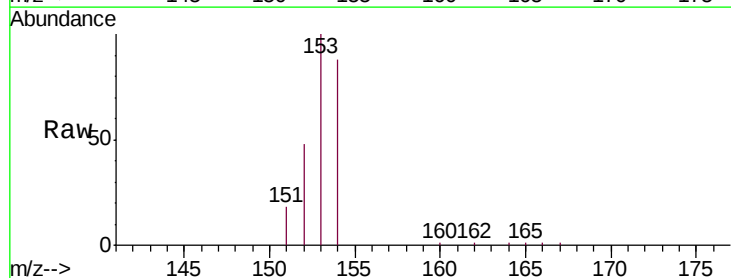
Tgt Ion:153 Resp: 8734

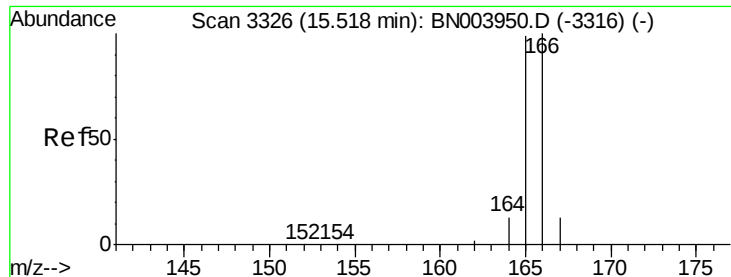
Ion Ratio Lower Upper

153 100

152 48.4 39.3 58.9

154 87.9 70.3 105.5





#9

Fluorene

Concen: 0.375 ng/ul

RT: 15.52 min Scan# 3326

Delta R.T. -0.00 min

Lab File: BN003964.D

Acq: 15 Dec 2018 18:38

Instrument :

BNA_N

ClientSampleId :

SSTD0.418

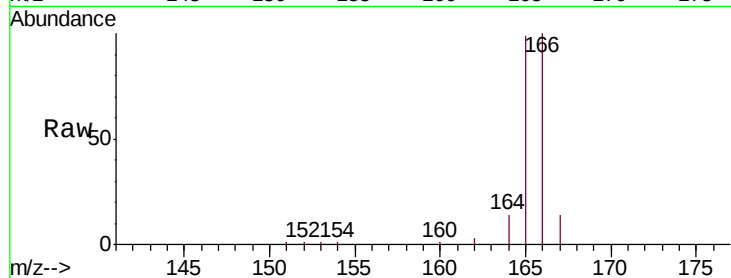
Tgt Ion:166 Resp: 10033

Ion Ratio Lower Upper

166 100

165 98.7 78.3 117.5

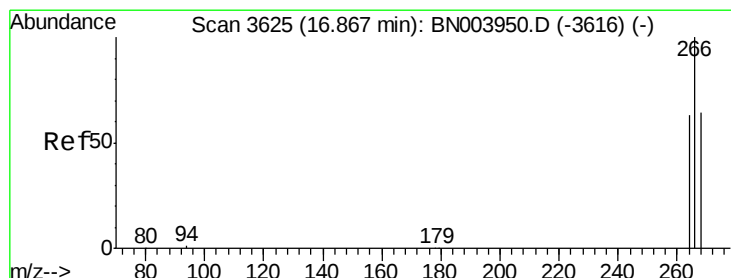
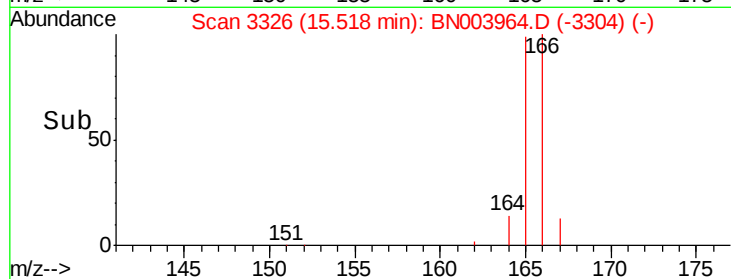
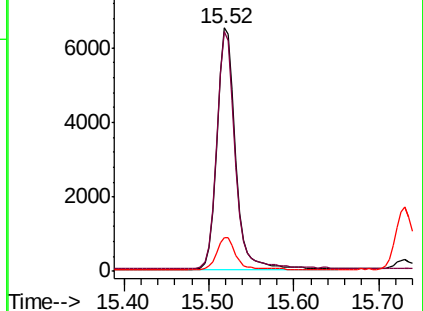
167 14.0 11.3 16.9



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: 0.469 ng/ul

RT: 16.87 min Scan# 3625

Delta R.T. -0.00 min

Lab File: BN003964.D

Acq: 15 Dec 2018 18:38

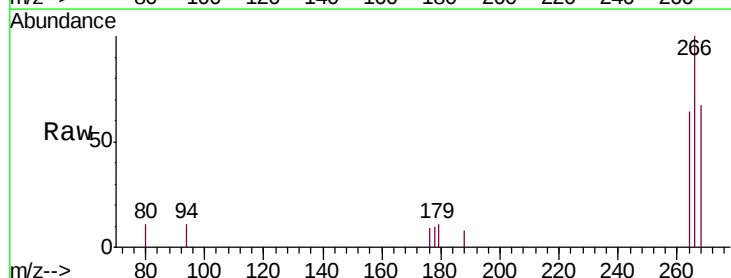
Tgt Ion:266 Resp: 1220

Ion Ratio Lower Upper

266 100

264 61.5 49.4 74.2

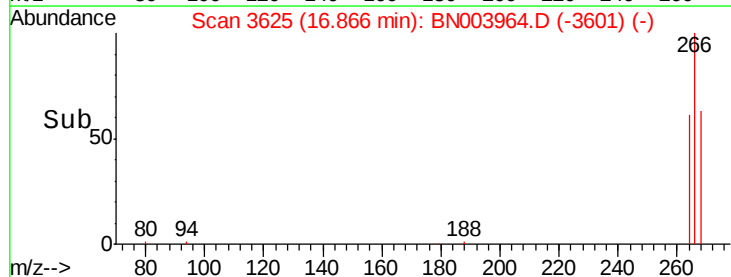
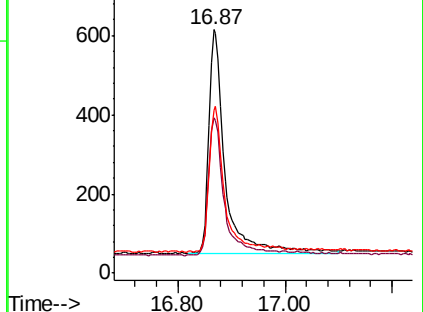
268 64.0 51.7 77.5

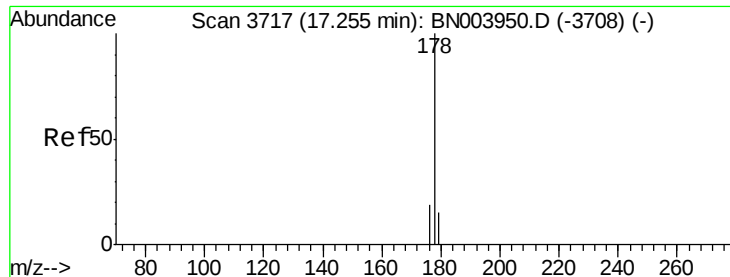


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.365 ng/ul

RT: 17.25 min Scan# 3717

Delta R.T. -0.00 min

Lab File: BN003964.D

Acq: 15 Dec 2018 18:38

Instrument :

BNA_N

ClientSampleId :

SSTD0.418

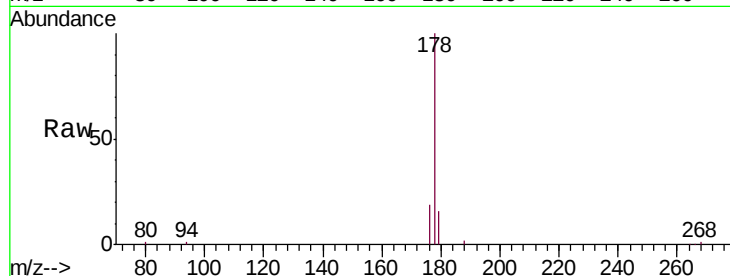
Tgt Ion:178 Resp: 17322

Ion Ratio Lower Upper

178 100

179 15.7 12.5 18.7

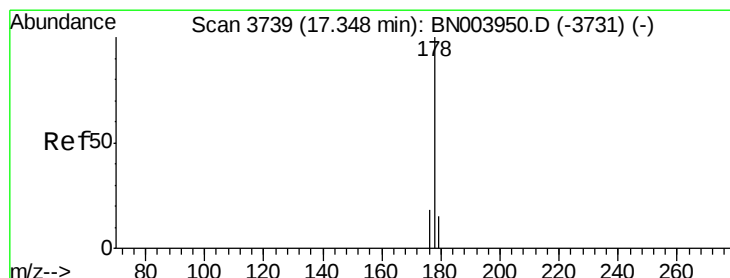
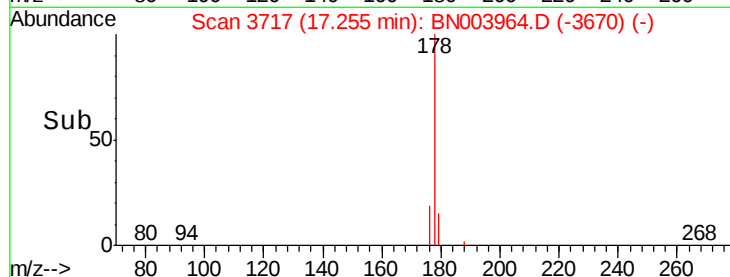
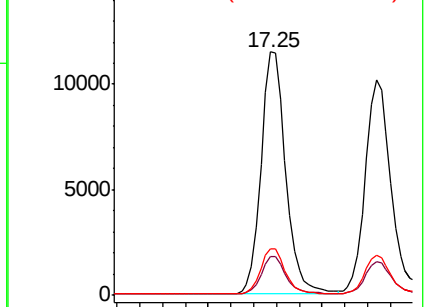
176 19.1 15.0 22.4



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: 0.417 ng/ul

RT: 17.35 min Scan# 3739

Delta R.T. -0.00 min

Lab File: BN003964.D

Acq: 15 Dec 2018 18:38

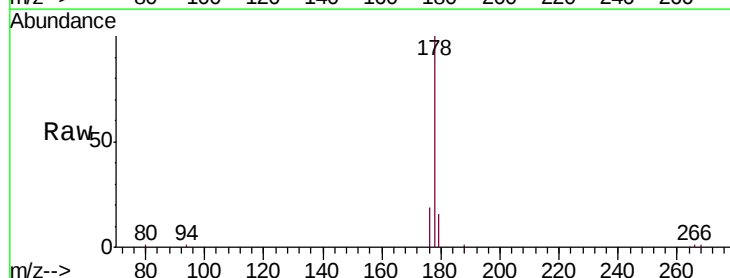
Tgt Ion:178 Resp: 16256

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

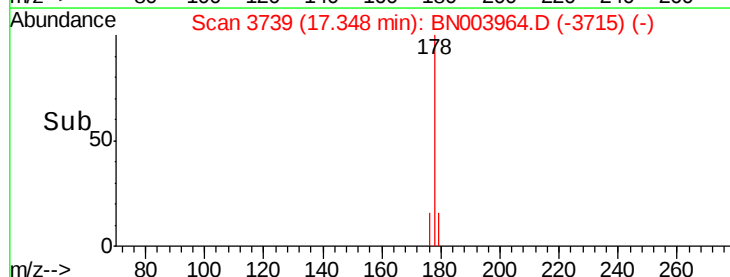
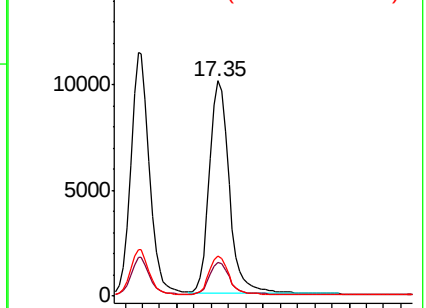
176 18.6 14.8 22.2

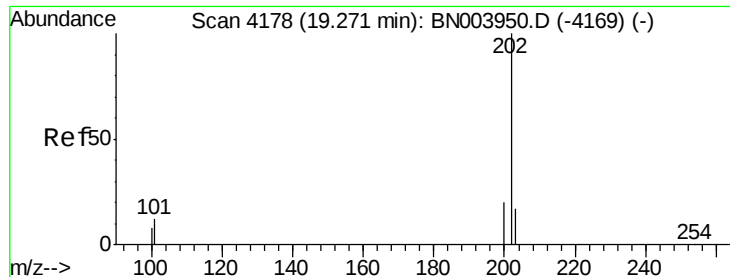


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

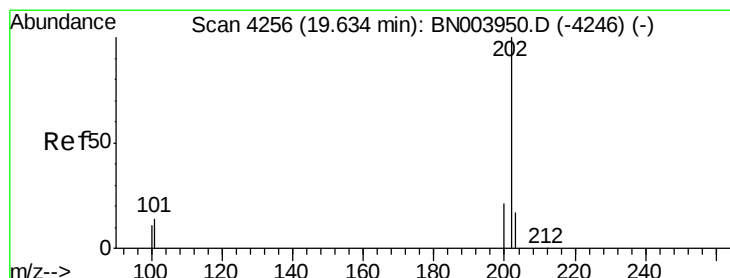
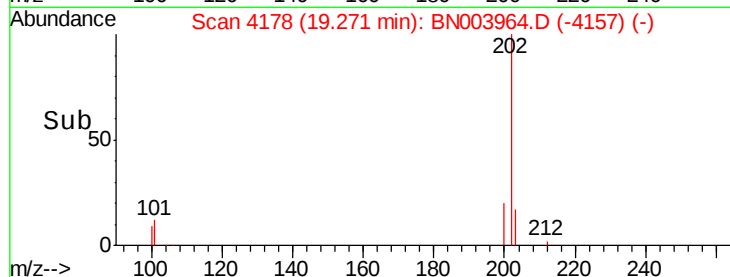
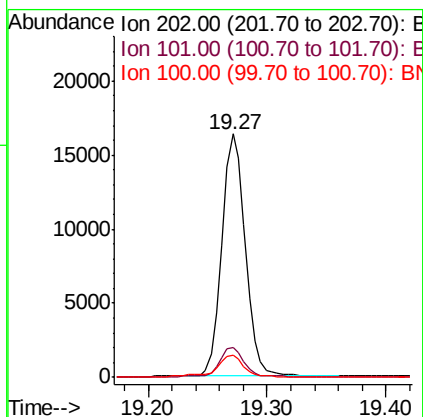
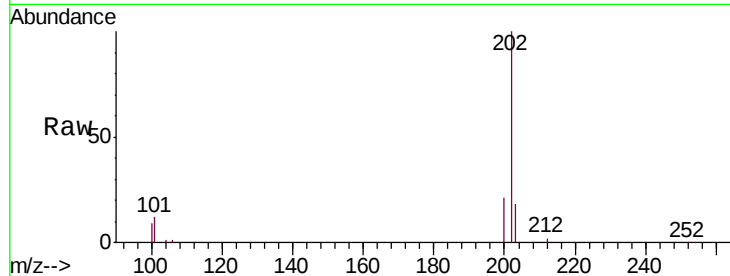




#15
Fluoranthene
 Concen: 0.401 ng/ul
 RT: 19.27 min Scan# 4178
 Delta R.T. -0.00 min
 Lab File: BN003964.D
 Acq: 15 Dec 2018 18:38

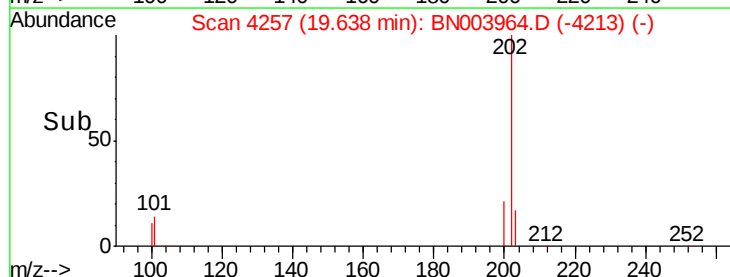
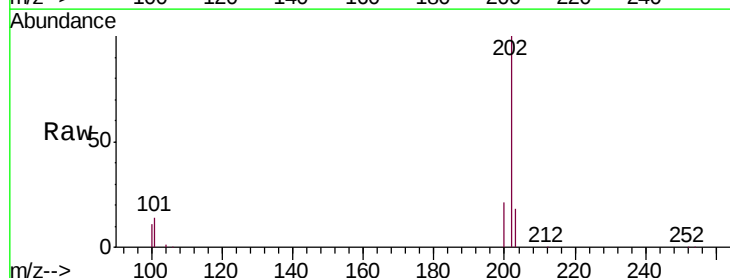
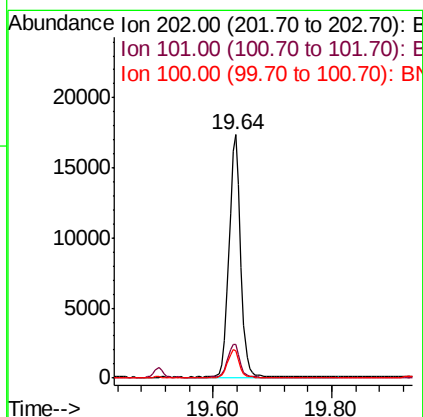
Instrument :
 BNA_N
 ClientSampleId :
 SST0.418

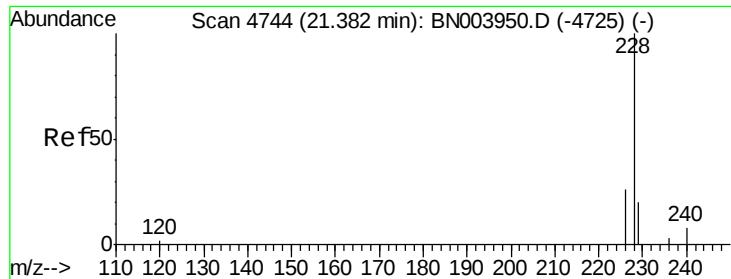
Tgt Ion:202 Resp: 22483
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 30.7
 100 9.3 0.0 28.1



#17
Pyrene
 Concen: 0.360 ng/ul
 RT: 19.64 min Scan# 4257
 Delta R.T. 0.00 min
 Lab File: BN003964.D
 Acq: 15 Dec 2018 18:38

Tgt Ion:202 Resp: 23387
 Ion Ratio Lower Upper
 202 100
 101 13.9 10.3 15.5
 100 11.0 8.5 12.7





#18

Benzo(a)anthracene

Concen: 0.426 ng/ul

RT: 21.38 min Scan# 4744

Delta R.T. 0.00 min

Lab File: BN003964.D

Acq: 15 Dec 2018 18:38

Instrument :

BNA_N

ClientSampleId :

SSTD0.418

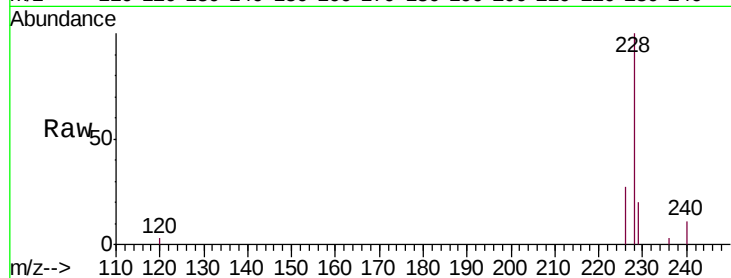
Tgt Ion:228 Resp: 24327

Ion Ratio Lower Upper

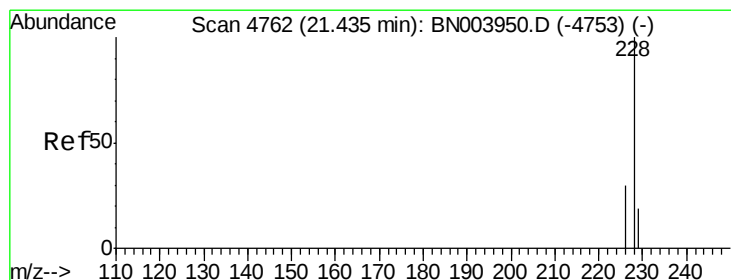
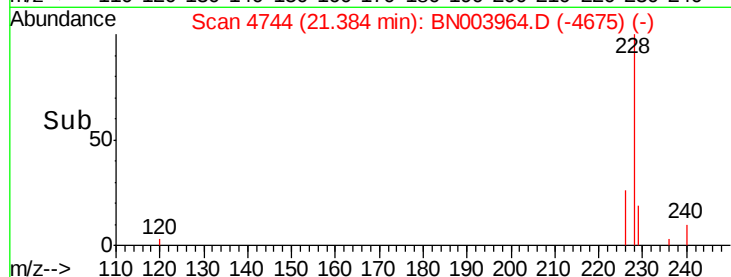
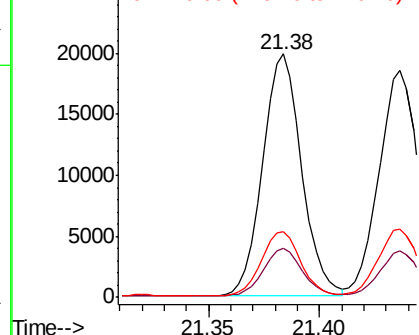
228 100

229 19.9 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: 0.362 ng/ul

RT: 21.44 min Scan# 4762

Delta R.T. 0.00 min

Lab File: BN003964.D

Acq: 15 Dec 2018 18:38

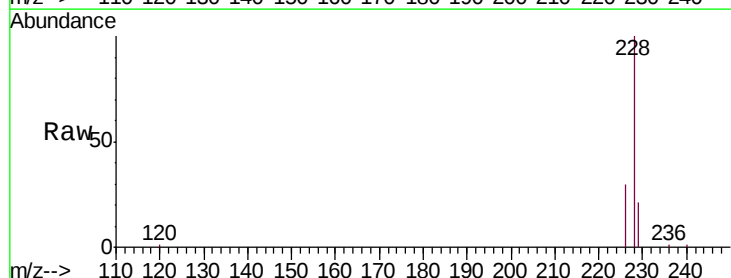
Tgt Ion:228 Resp: 23661

Ion Ratio Lower Upper

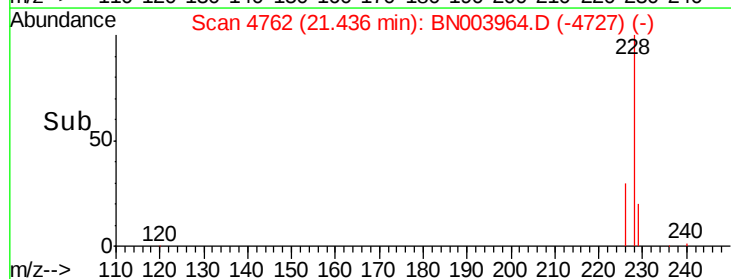
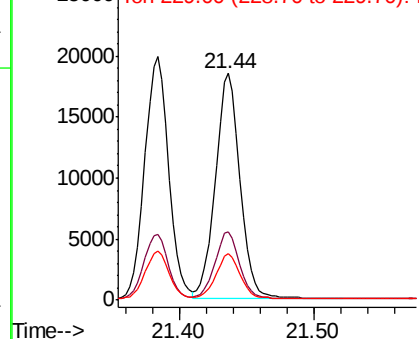
228 100

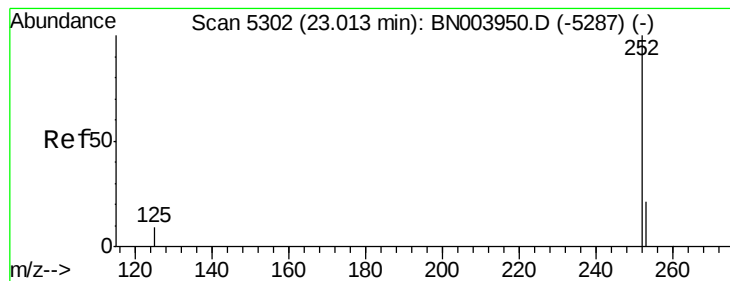
226 30.2 24.0 36.0

229 20.5 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# 5302

Delta R.T. 0.00 min

Lab File: BN003964.D

Acq: 15 Dec 2018 18:38

Instrument :

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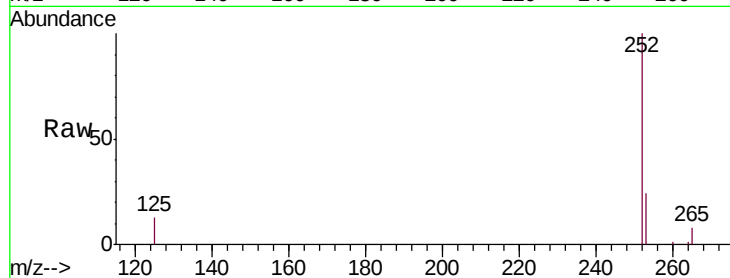
Tgt Ion:252 Resp: 22975

Ion Ratio Lower Upper

252 100

253 24.0 0.0 46.0

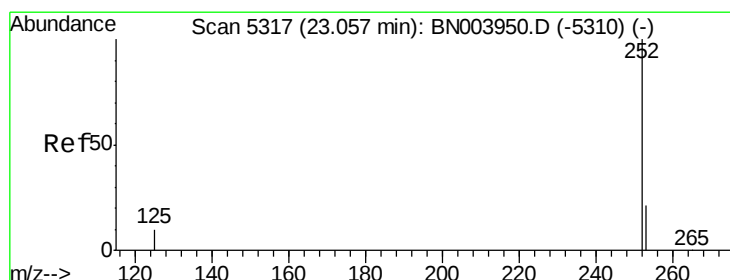
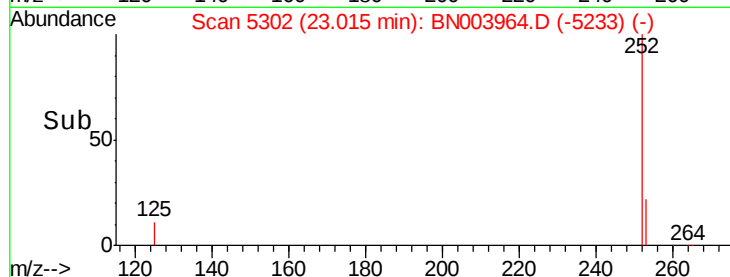
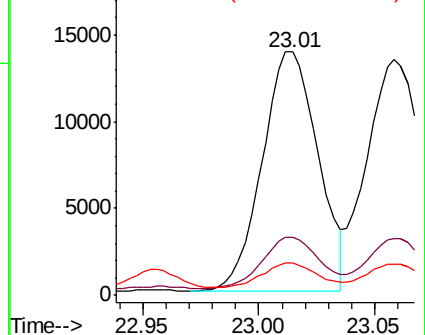
125 13.2 0.0 22.4



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: 0.367 ng/ul

RT: 23.06 min Scan# 5317

Delta R.T. 0.00 min

Lab File: BN003964.D

Acq: 15 Dec 2018 18:38

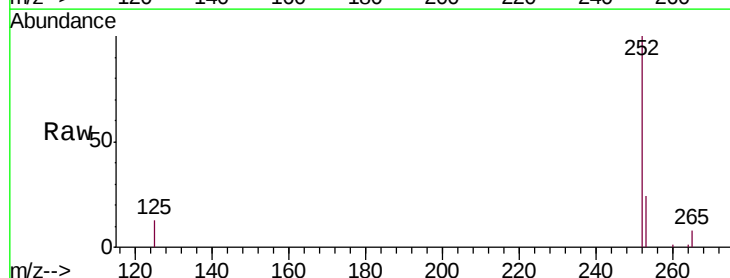
Tgt Ion:252 Resp: 23615

Ion Ratio Lower Upper

252 100

253 23.9 18.5 27.7

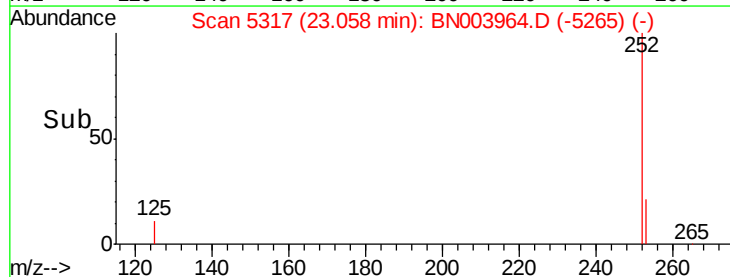
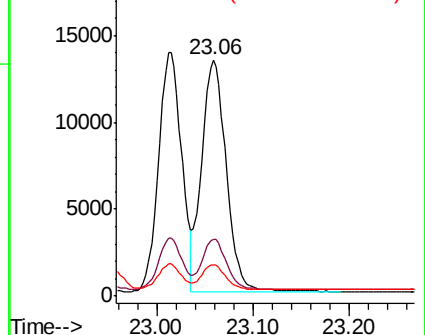
125 13.1 9.0 13.6

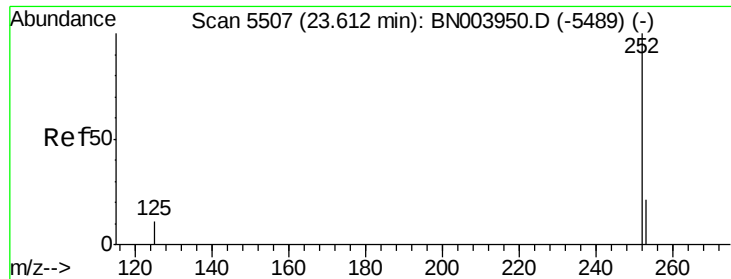


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.61 min Scan# 5507

Delta R.T. 0.00 min

Lab File: BN003964.D

Acq: 15 Dec 2018 18:38

Instrument :

BNA_N

ClientSampleId :

SSTD0.418

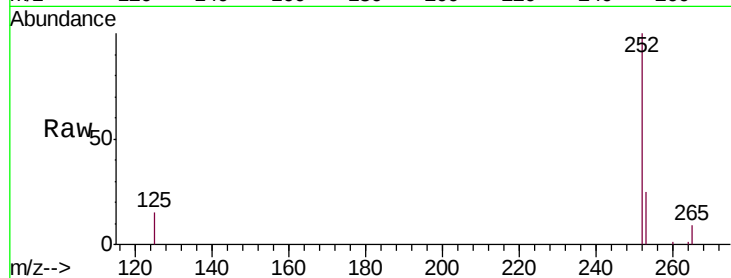
Tgt Ion:252 Resp: 21430

Ion Ratio Lower Upper

252 100

253 24.8 19.0 28.4

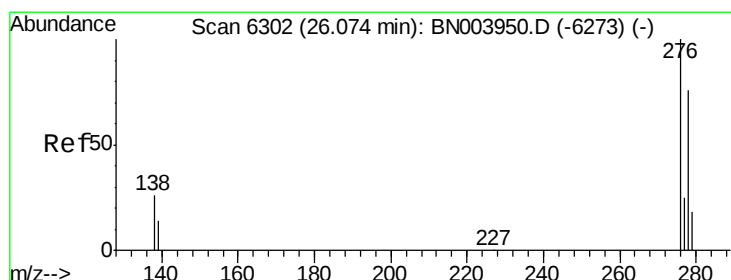
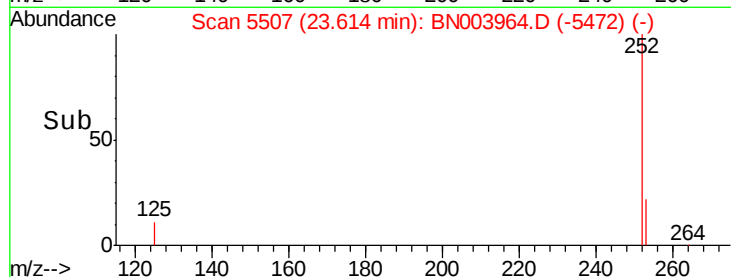
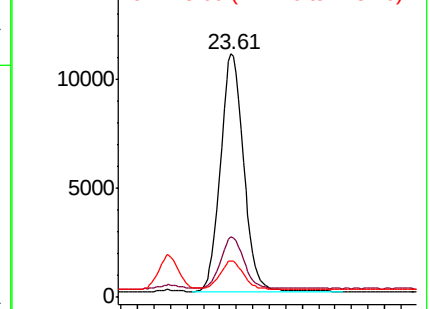
125 14.8 10.2 15.4



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: 0.357 ng/u1

RT: 26.08 min Scan# 6302

Delta R.T. 0.00 min

Lab File: BN003964.D

Acq: 15 Dec 2018 18:38

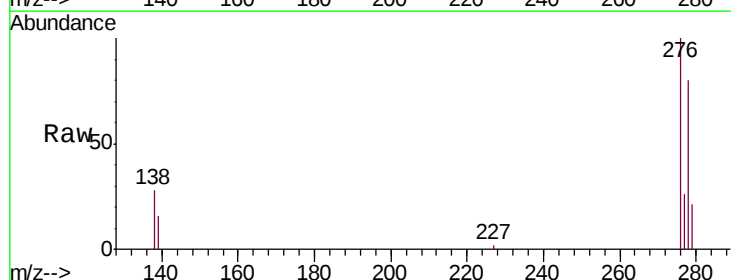
Tgt Ion:276 Resp: 23423

Ion Ratio Lower Upper

276 100

138 26.6 20.3 30.5

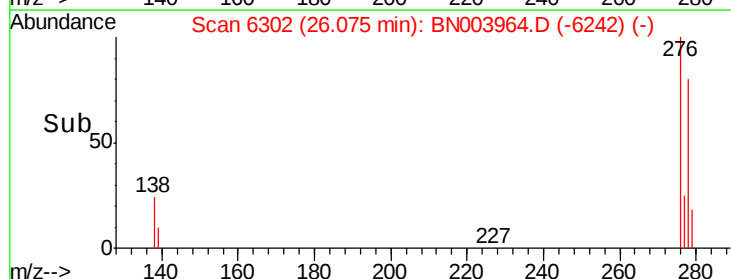
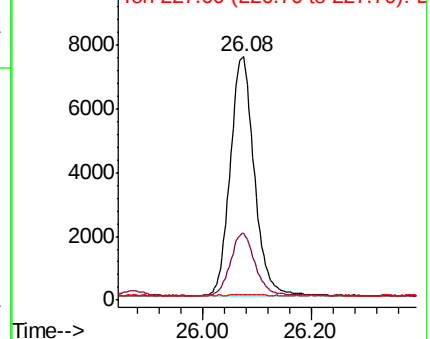
227 0.2 0.2 0.2

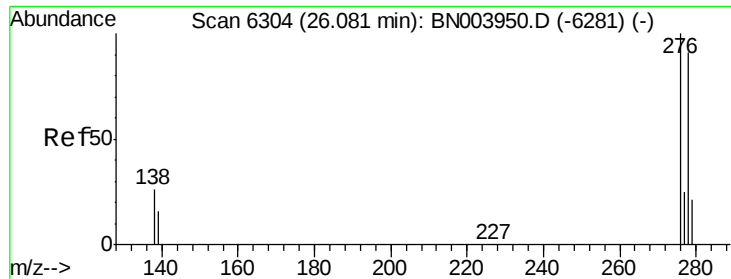


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.361 ng/ul

RT: 26.08 min Scan# 6304

Delta R.T. 0.00 min

Lab File: BN003964.D

Acq: 15 Dec 2018 18:38

Instrument :

BNA_N

ClientSampleId :

SSTD0.418

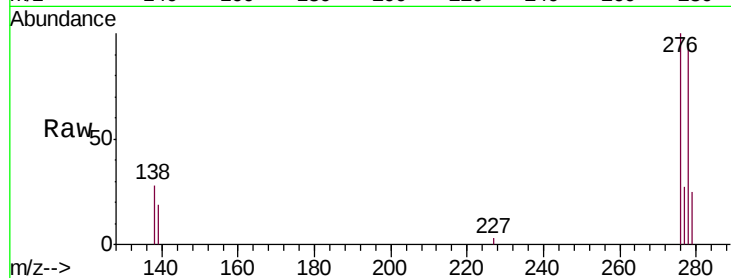
Tgt Ion:278 Resp: 19067

Ion Ratio Lower Upper

278 100

139 19.6 14.2 21.4

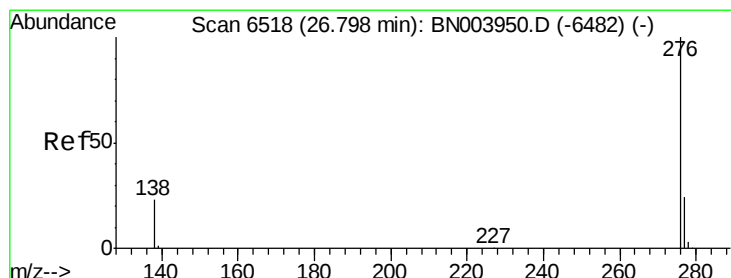
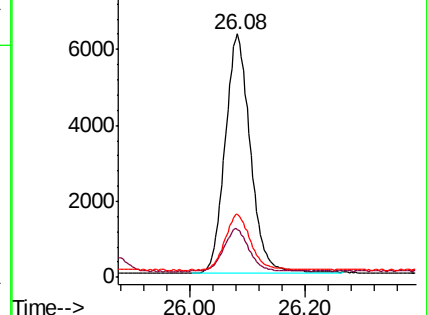
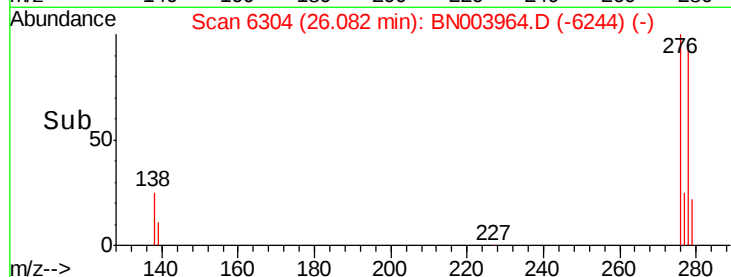
279 25.9 19.8 29.6



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: 0.340 ng/ul

RT: 26.80 min Scan# 6518

Delta R.T. 0.00 min

Lab File: BN003964.D

Acq: 15 Dec 2018 18:38

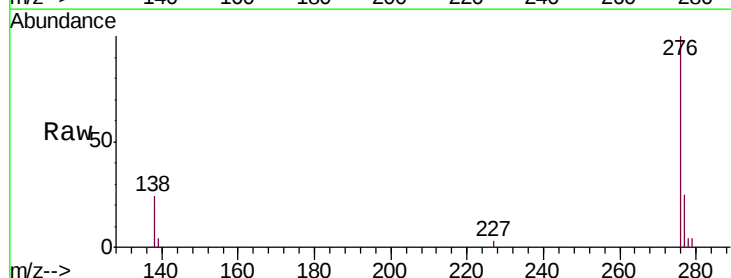
Tgt Ion:276 Resp: 19376

Ion Ratio Lower Upper

276 100

138 24.1 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

