

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122818\
 Data File : BN004265.D
 Acq On : 28 Dec 2018 16:46
 Operator : JU/SJ
 Sample : SSTDICV0.4
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SICV58

Quant Time: Dec 28 17:26:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN122818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 28 16:45:35 2018
 Response via : Initial Calibration

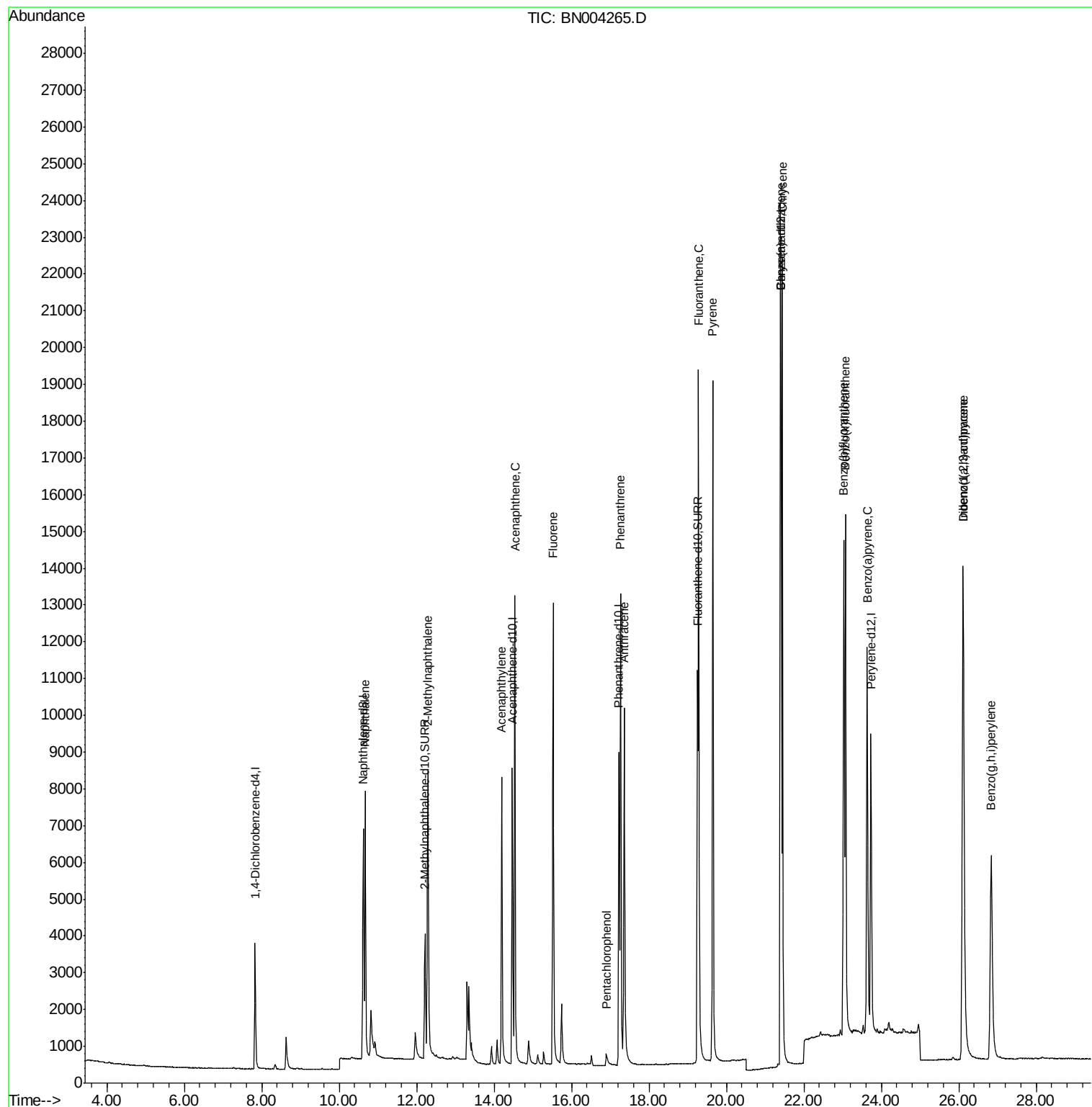
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	2067	0.40	ng/ul	0.00
2) Naphthalene-d8	10.62	136	9263	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5217	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.22	188	11869	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	14046	0.40	ng/ul	0.00
20) Perylene-d12	23.74	264	12090	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	6038	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	14359	0.41	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.67	128	10825	0.415	ng/ul	100
5) 2-Methylnaphthalene	12.29	142	7650	0.422	ng/ul	98
7) Acenaphthylene	14.20	152	10791	0.413	ng/ul	100
8) Acenaphthene	14.53	153	8640	0.413	ng/ul	99
9) Fluorene	15.52	166	9796	0.413	ng/ul	100
11) Pentachlorophenol	16.90	266	513	0.298	ng/ul	97
12) Phenanthrene	17.26	178	15391	0.399	ng/ul	99
13) Anthracene	17.36	178	13889	0.396	ng/ul	99
15) Fluoranthene	19.28	202	19190	0.413	ng/ul	99
17) Pyrene	19.64	202	19035	0.396	ng/ul	98
18) Benzo(a)anthracene	21.39	228	19390	0.406	ng/ul	100
19) Chrysene	21.44	228	21275	0.416	ng/ul	99
21) Benzo(b)fluoranthene	23.03	252	18819	0.410	ng/ul	100
22) Benzo(k)fluoranthene	23.07	252	20487	0.421	ng/ul	100
23) Benzo(a)pyrene	23.63	252	17696	0.406	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	26.11	276	18290	0.405	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.11	278	14985	0.404	ng/ul	99
26) Benzo(g,h,i)perylene	26.84	276	14995	0.394	ng/ul	99

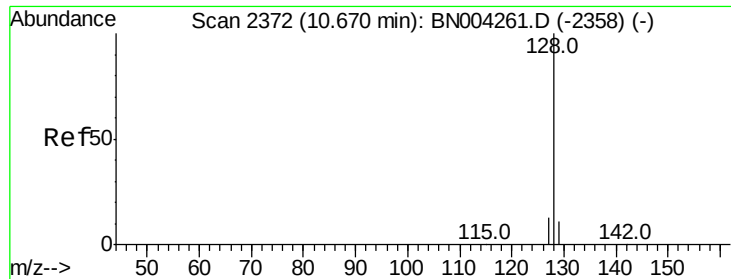
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.415 ng/ul

RT: 10.67 min Scan# 2372

Delta R.T. 0.00 min

Lab File: BN004265.D

Acq: 28 Dec 2018 16:46

Instrument :

BNA_N

ClientSampleId :

SICV58

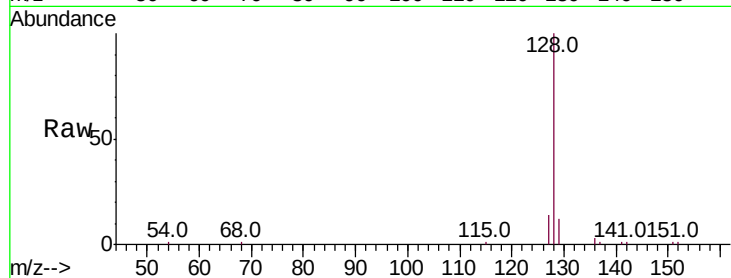
Tot Ion:128 Resp: 10825

Ion Ratio Lower Upper

128 100

129 11.9 9.5 14.3

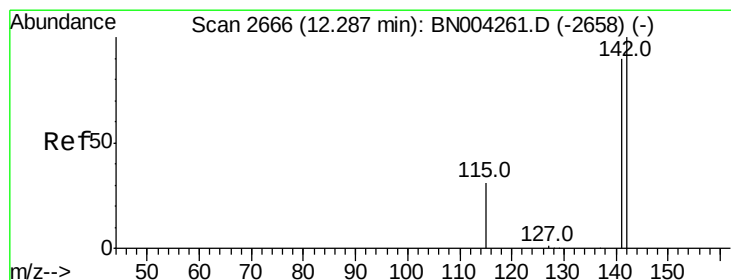
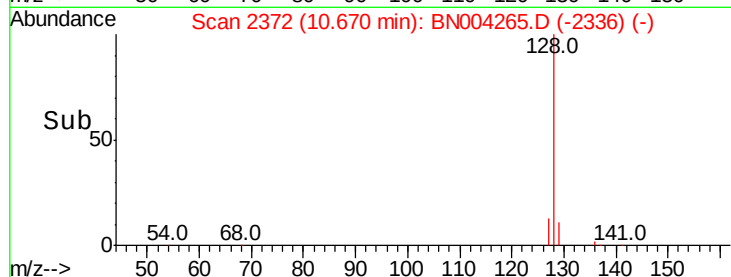
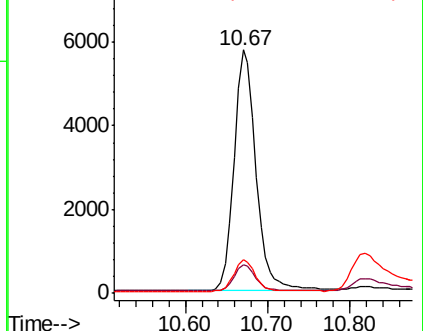
127 13.7 11.0 16.4



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: 0.422 ng/ul

RT: 12.29 min Scan# 2666

Delta R.T. 0.00 min

Lab File: BN004265.D

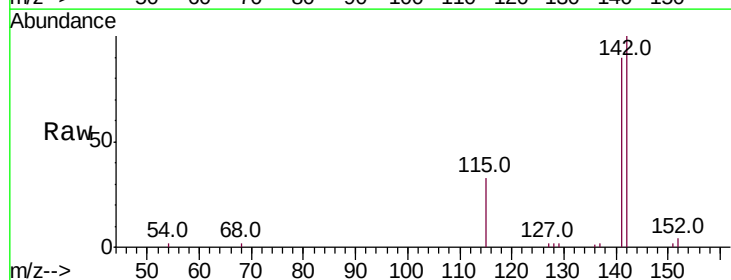
Acq: 28 Dec 2018 16:46

Tgt Ion:142 Resp: 7650

Ion Ratio Lower Upper

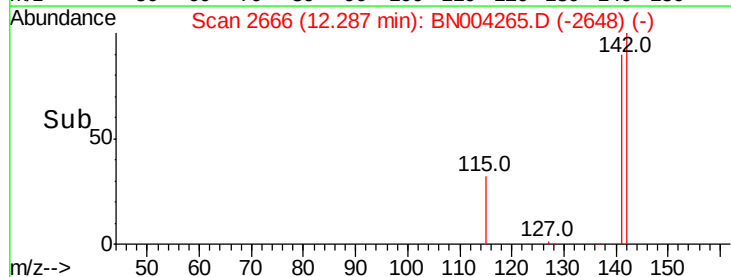
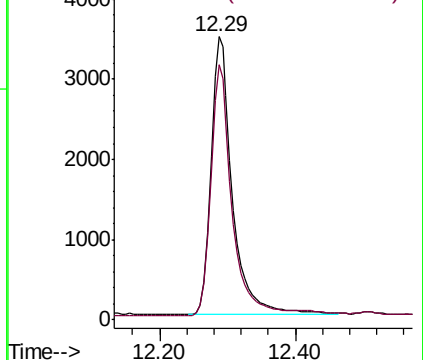
142 100

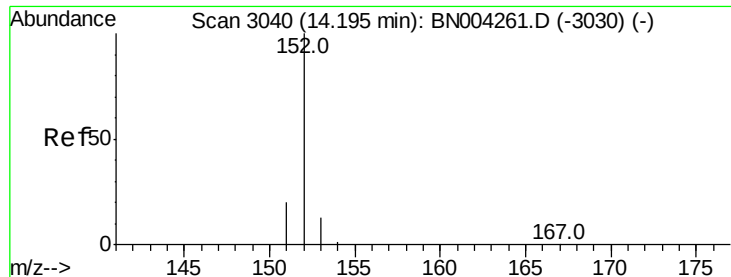
141 91.1 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.413 ng/ul

RT: 14.20 min Scan# 3040

Delta R.T. 0.00 min

Lab File: BN004265.D

Acq: 28 Dec 2018 16:46

Instrument :

BNA_N

ClientSampleId :

SICV58

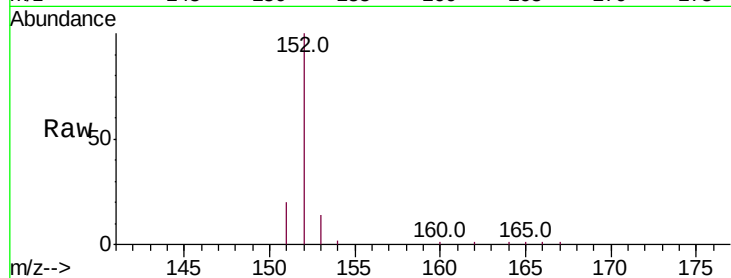
Tot Ion:152 Resp: 10791

Ion Ratio Lower Upper

152 100

151 20.3 16.3 24.5

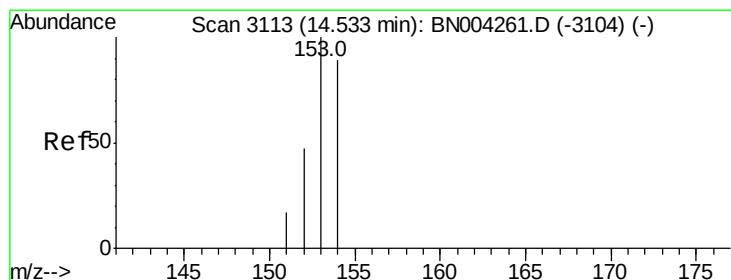
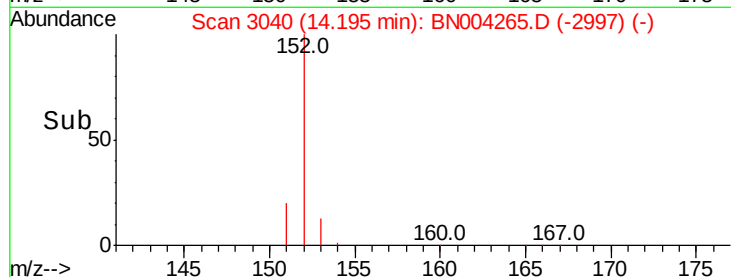
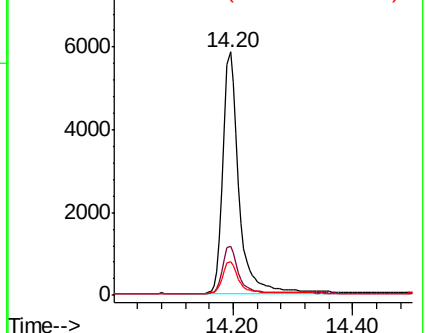
153 13.9 11.1 16.7



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: 0.413 ng/ul

RT: 14.53 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BN004265.D

Acq: 28 Dec 2018 16:46

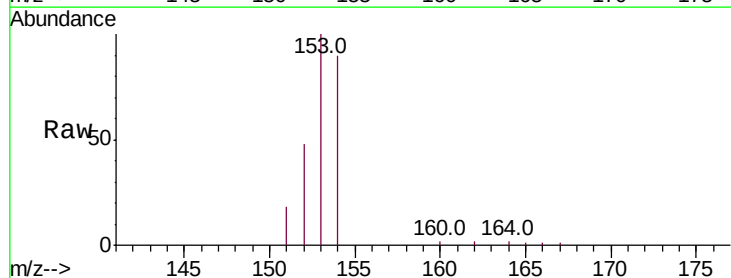
Tgt Ion:153 Resp: 8640

Ion Ratio Lower Upper

153 100

152 48.2 38.2 57.2

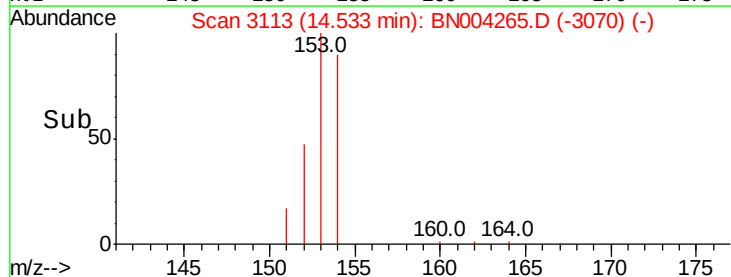
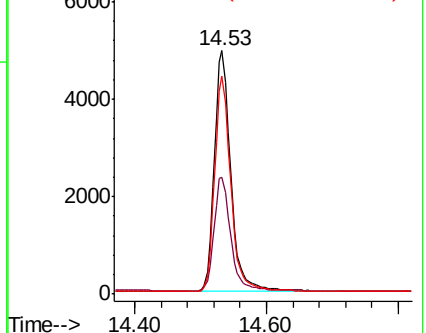
154 89.8 70.9 106.3

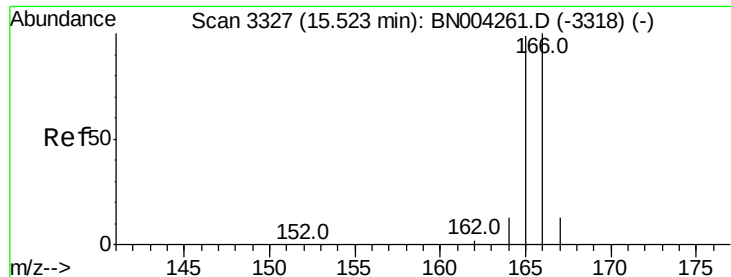


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.413 ng/ul

RT: 15.52 min Scan# 3327

Delta R.T. 0.00 min

Lab File: BN004265.D

Acq: 28 Dec 2018 16:46

Instrument :

BNA_N

ClientSampleId :

SICV58

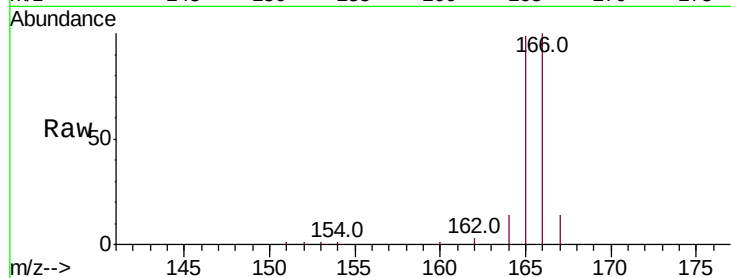
Tot Ion:166 Resp: 9796

Ion Ratio Lower Upper

166 100

165 98.7 79.0 118.6

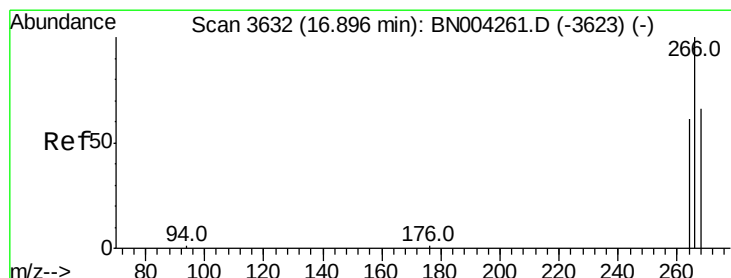
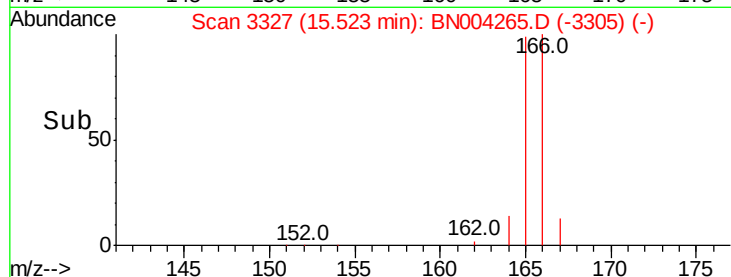
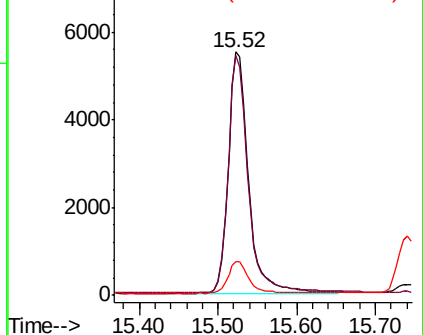
167 14.0 11.3 16.9



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: 0.298 ng/ul

RT: 16.90 min Scan# 3633

Delta R.T. 0.00 min

Lab File: BN004265.D

Acq: 28 Dec 2018 16:46

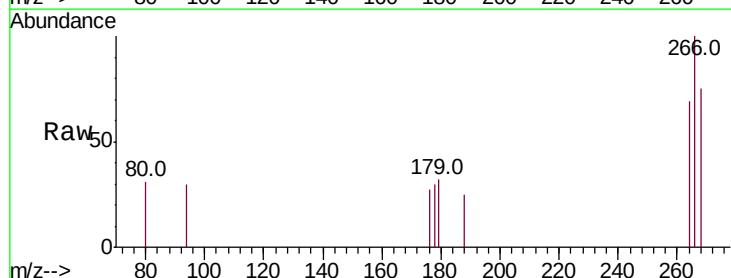
Tgt Ion:266 Resp: 513

Ion Ratio Lower Upper

266 100

264 68.2 51.1 76.7

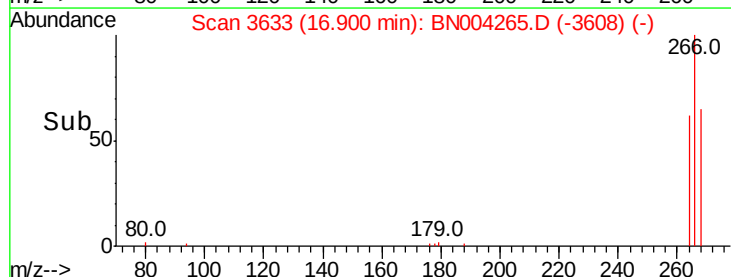
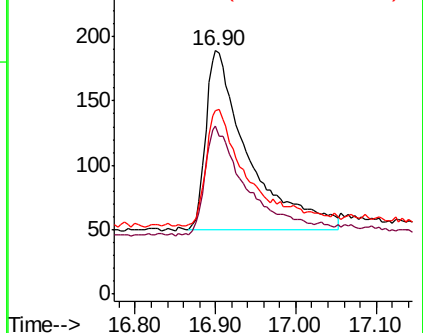
268 66.3 52.6 78.8

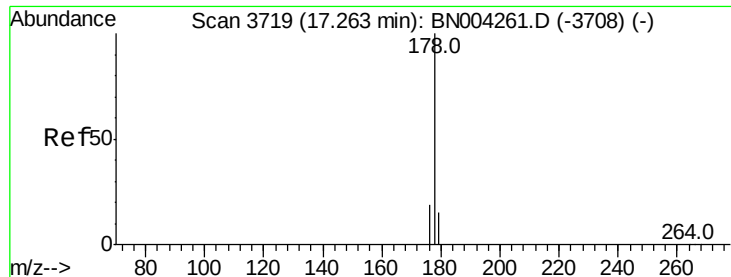


Abundance Ion 266.00 (265.70 to 266.70): E

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: BN004265.D

Acq: 28 Dec 2018 16:46

Instrument :

BNA_N

ClientSampleId :

SICV58

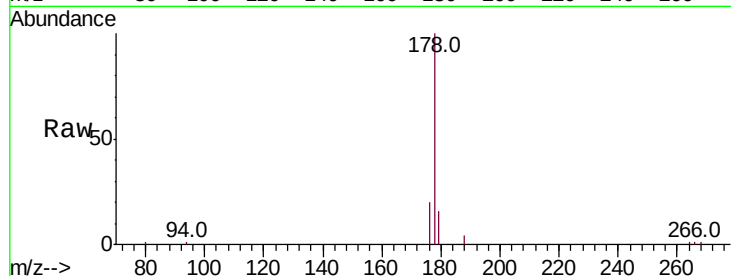
Tot Ion:178 Resp: 15391

Ion Ratio Lower Upper

178 100

179 15.6 12.6 18.8

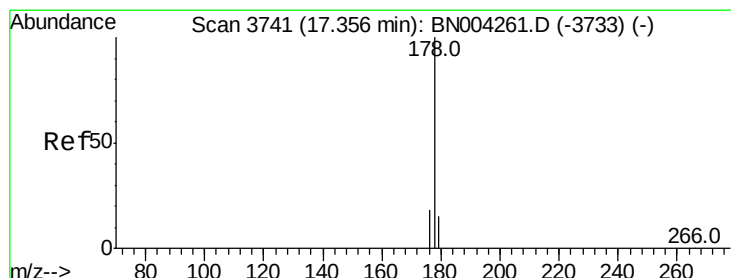
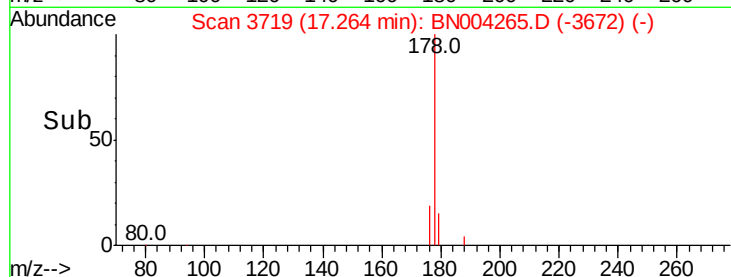
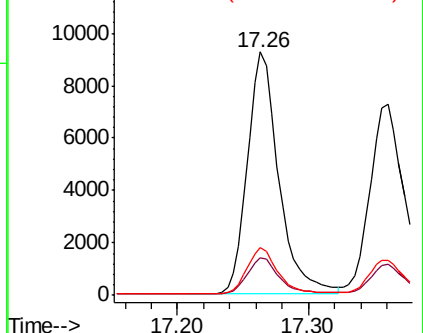
176 19.7 15.2 22.8



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: 0.396 ng/ul

RT: 17.36 min Scan# 3742

Delta R.T. 0.00 min

Lab File: BN004265.D

Acq: 28 Dec 2018 16:46

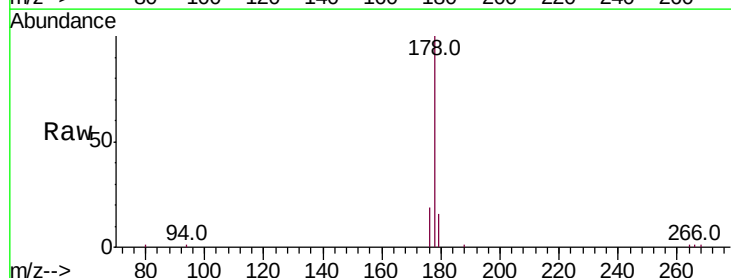
Tgt Ion:178 Resp: 13889

Ion Ratio Lower Upper

178 100

179 16.1 12.7 19.1

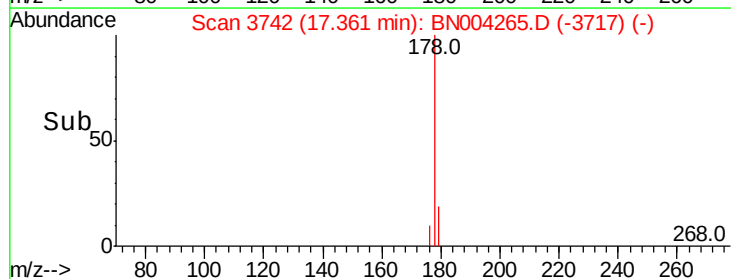
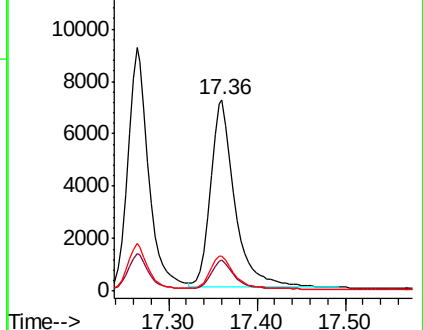
176 18.5 15.0 22.6

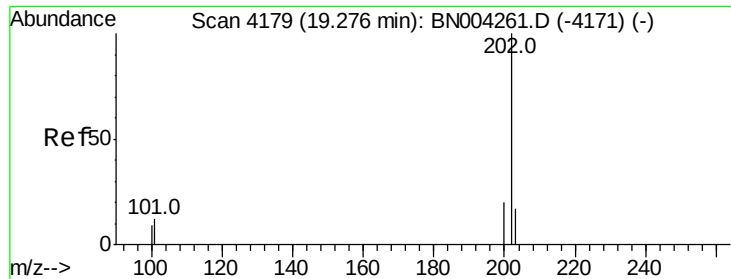


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.413 ng/ul

RT: 19.28 min Scan# 4180

Delta R.T. 0.00 min

Lab File: BN004265.D

Acq: 28 Dec 2018 16:46

Instrument :

BNA_N

ClientSampleId :

SICV58

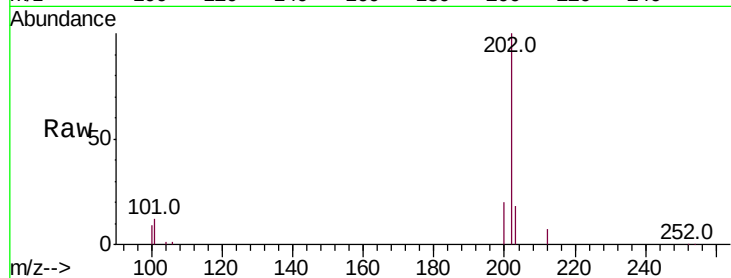
Tot Ion:202 Resp: 19190

Ion Ratio Lower Upper

202 100

101 12.1 0.0 32.6

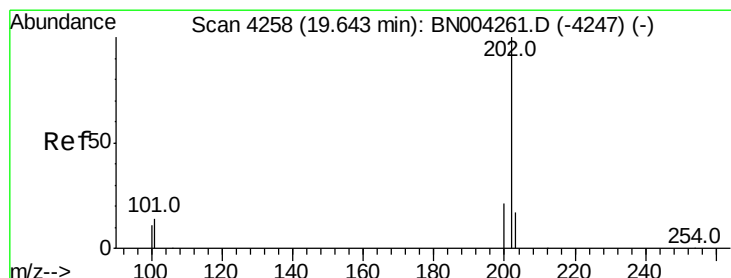
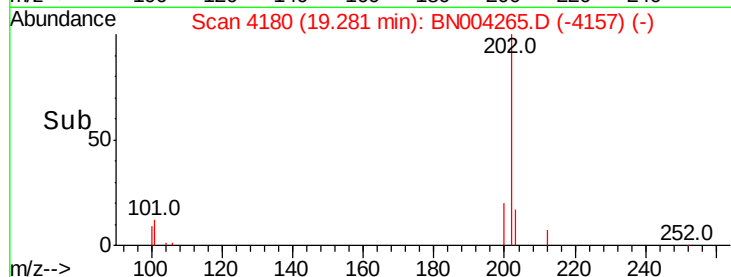
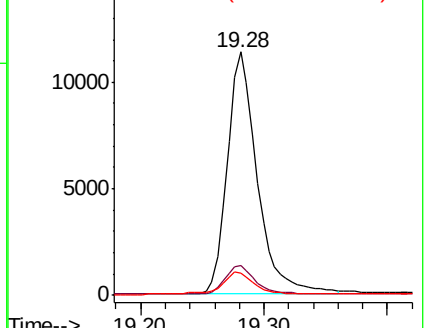
100 9.1 0.0 29.7



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



#17

Pyrene

Concen: 0.396 ng/ul

RT: 19.64 min Scan# 4258

Delta R.T. 0.00 min

Lab File: BN004265.D

Acq: 28 Dec 2018 16:46

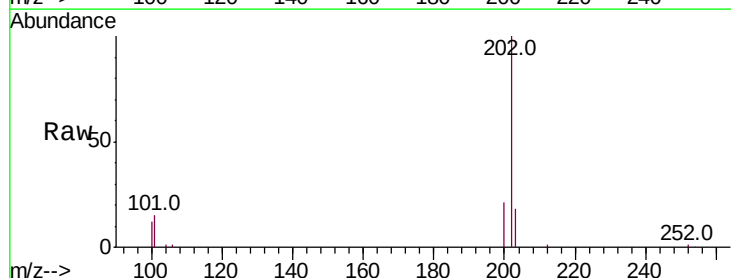
Tgt Ion:202 Resp: 19035

Ion Ratio Lower Upper

202 100

101 14.8 11.2 16.8

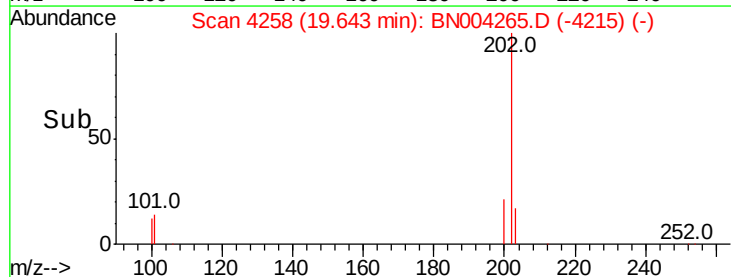
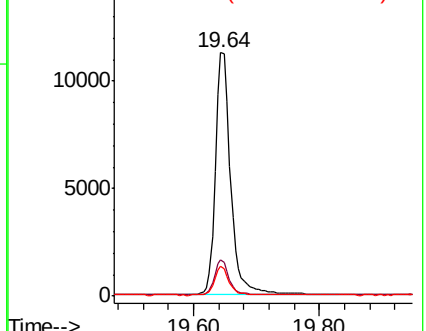
100 12.1 9.1 13.7

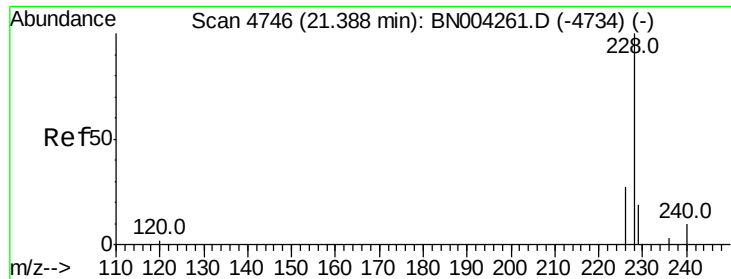


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.406 ng/ul

RT: 21.39 min Scan# 4747

Delta R.T. 0.00 min

Lab File: BN004265.D

Acq: 28 Dec 2018 16:46

Instrument :

BNA_N

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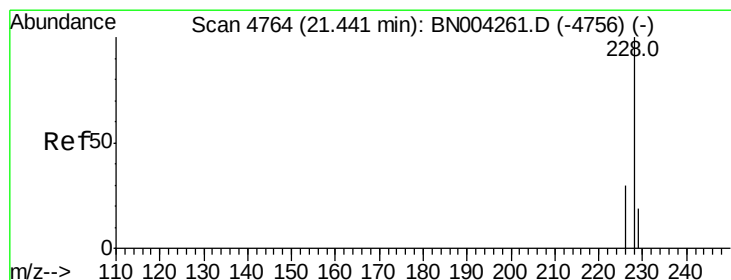
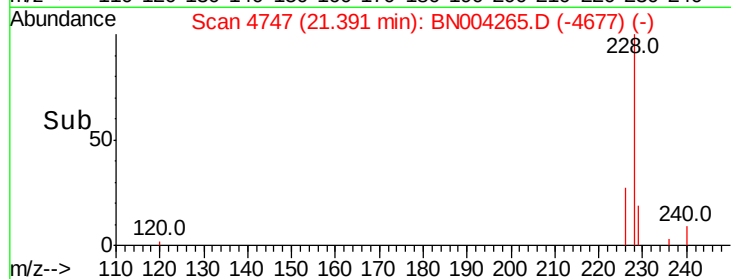
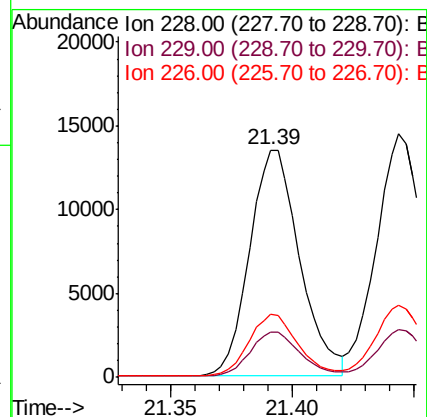
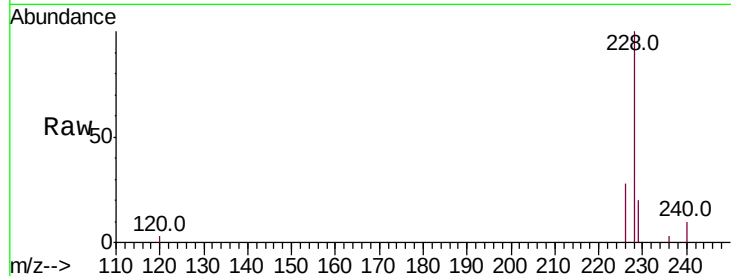
Tot Ion:228 Resp: 19390

Ion Ratio Lower Upper

228 100

229 19.7 15.9 23.9

226 27.7 21.9 32.9



#19

Chrysene

Concen: 0.416 ng/ul

RT: 21.44 min Scan# 4765

Delta R.T. 0.00 min

Lab File: BN004265.D

Acq: 28 Dec 2018 16:46

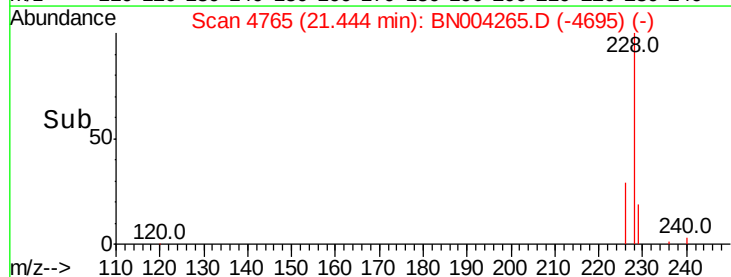
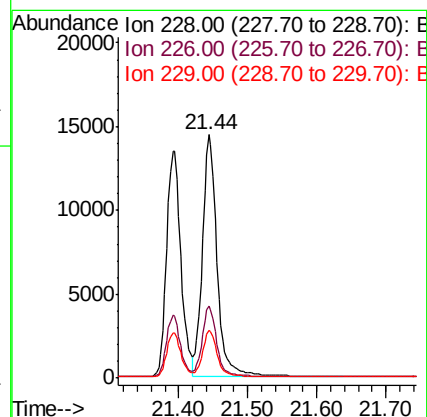
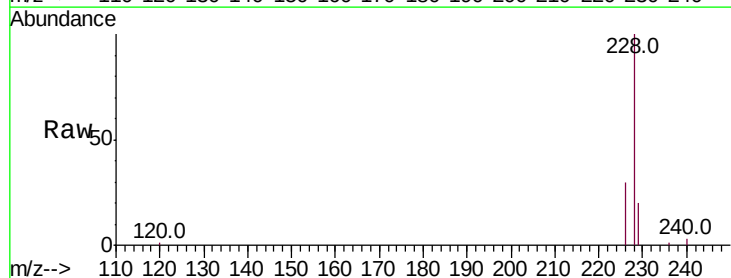
Tgt Ion:228 Resp: 21275

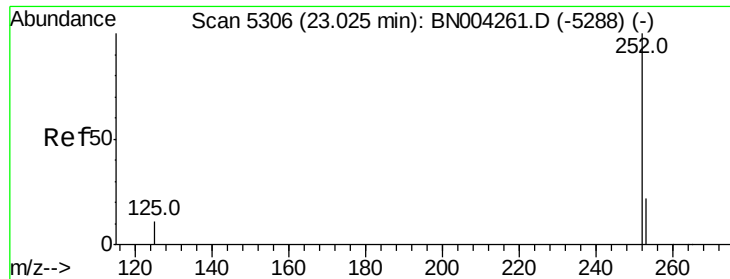
Ion Ratio Lower Upper

228 100

226 29.6 24.3 36.5

229 19.6 15.9 23.9





#21

Benzo(b)fluoranthene

Concen: 0.410 ng/ul

RT: 23.03 min Scan# 5307

Delta R.T. 0.00 min

Lab File: BN004265.D

Acq: 28 Dec 2018 16:46

Instrument :

BNA_N

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SICV58

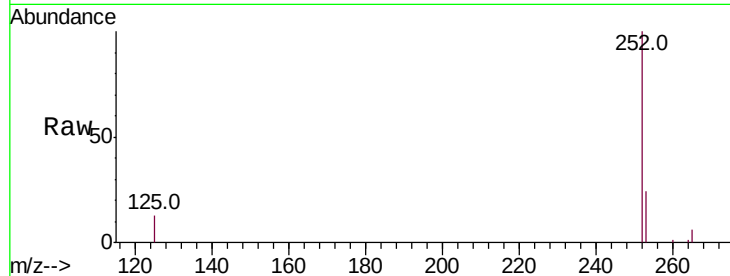
Tot Ion:252 Resp: 18819

Ion Ratio Lower Upper

252 100

253 23.8 0.0 47.6

125 12.5 0.0 25.0

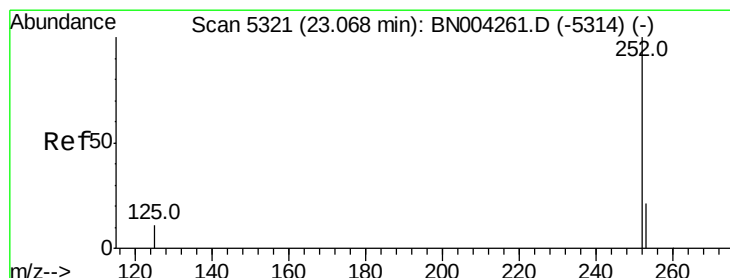
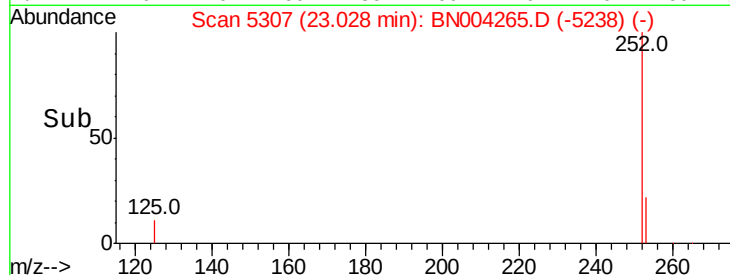
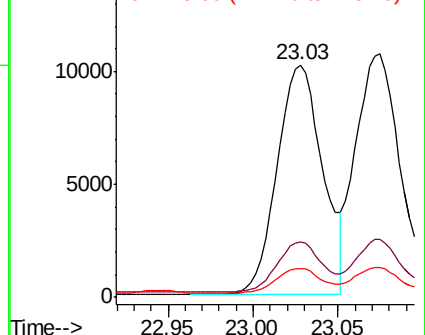


Abundance

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: 0.421 ng/ul

RT: 23.07 min Scan# 5323

Delta R.T. 0.01 min

Lab File: BN004265.D

Acq: 28 Dec 2018 16:46

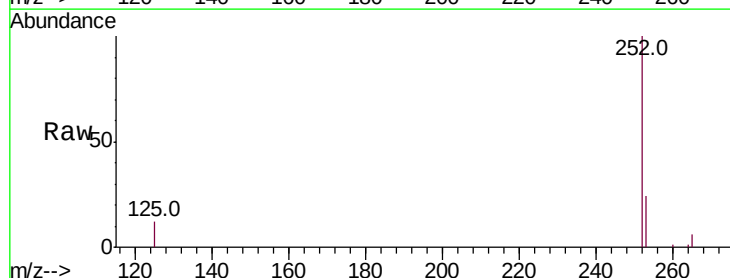
Tgt Ion:252 Resp: 20487

Ion Ratio Lower Upper

252 100

253 23.8 19.0 28.6

125 12.4 10.2 15.2

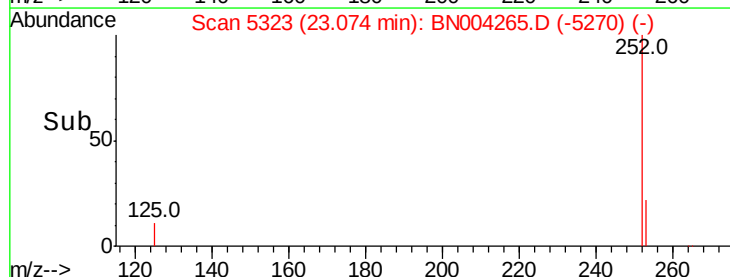
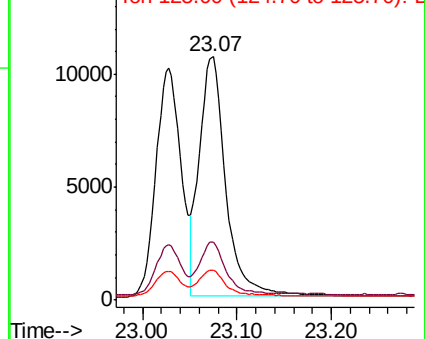


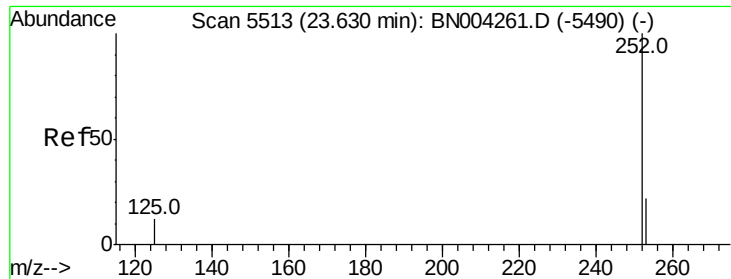
Abundance

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: 0.406 ng/ul

RT: 23.63 min Scan# 5514

Delta R.T. 0.00 min

Lab File: BN004265.D

Acq: 28 Dec 2018 16:46

Instrument :

BNA_N

ClientSampleId :

SICV58

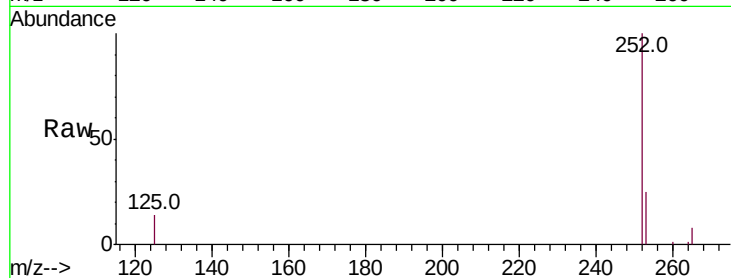
Tot Ion:252 Resp: 17696

Ion Ratio Lower Upper

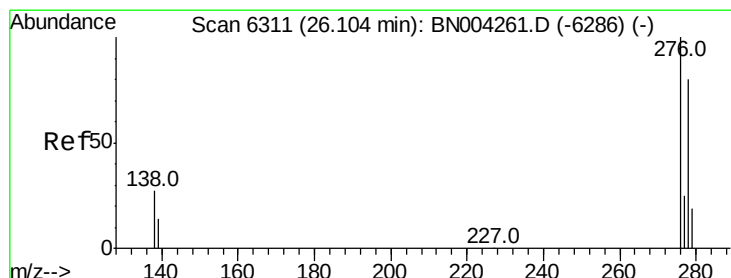
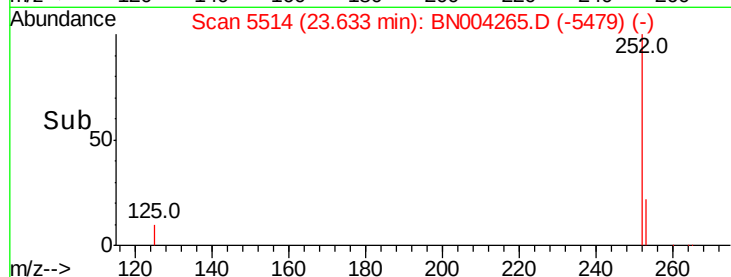
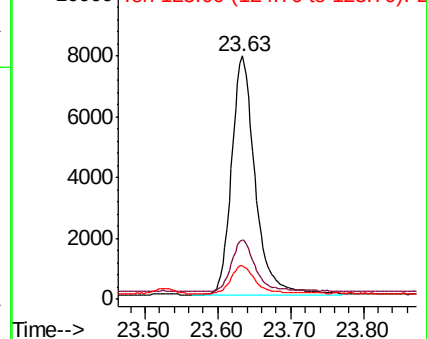
252 100

253 24.6 20.0 30.0

125 14.0 11.4 17.0



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: 0.405 ng/ul

RT: 26.11 min Scan# 6313

Delta R.T. 0.01 min

Lab File: BN004265.D

Acq: 28 Dec 2018 16:46

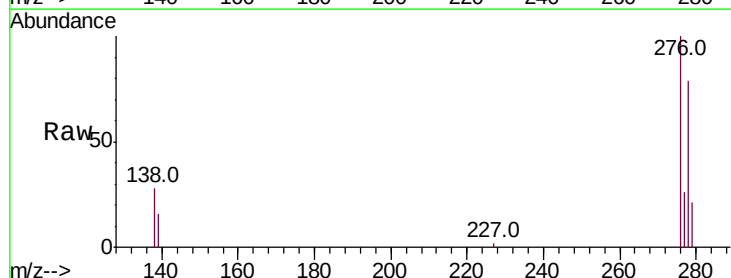
Tgt Ion:276 Resp: 18290

Ion Ratio Lower Upper

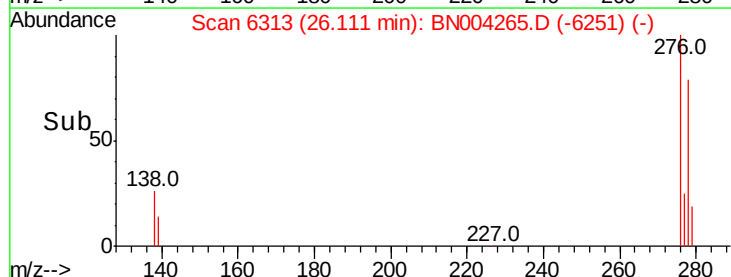
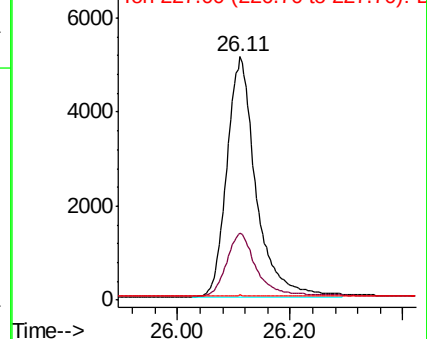
276 100

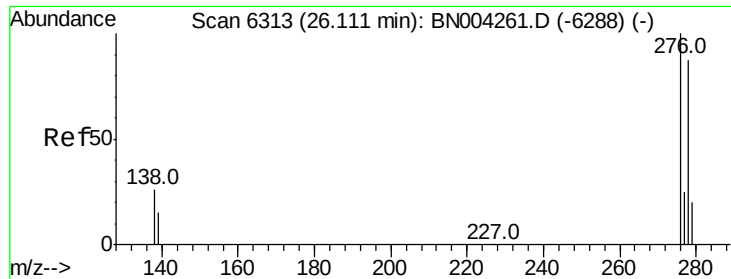
138 26.8 0.0 0.0#

227 0.2 0.1 0.1#



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: 0.404 ng/ul

RT: 26.11 min Scan# 6314

Delta R.T. 0.00 min

Lab File: BN004265.D

Acq: 28 Dec 2018 16:46

Instrument :

BNA_N

ClientSampleId :

SICV58

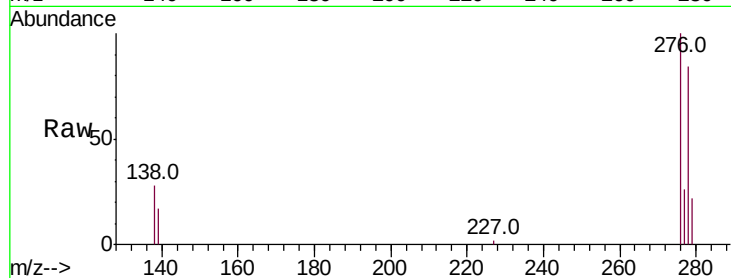
Tot Ion:278 Resp: 14985

Ion Ratio Lower Upper

278 100

139 19.9 15.4 23.2

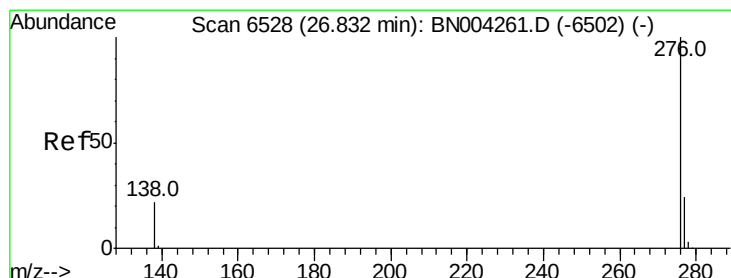
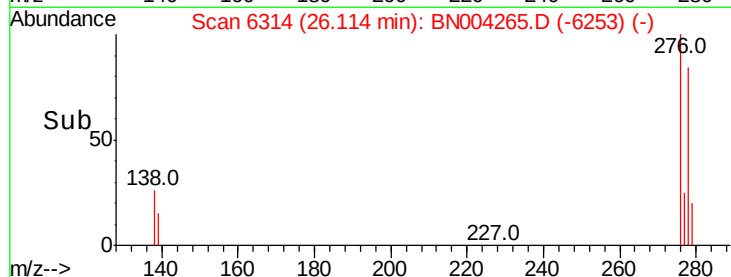
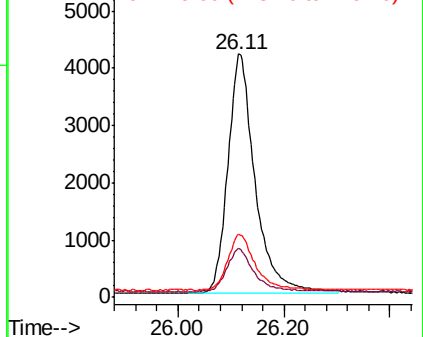
279 26.0 21.0 31.6



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: 0.394 ng/ul

RT: 26.84 min Scan# 6530

Delta R.T. 0.01 min

Lab File: BN004265.D

Acq: 28 Dec 2018 16:46

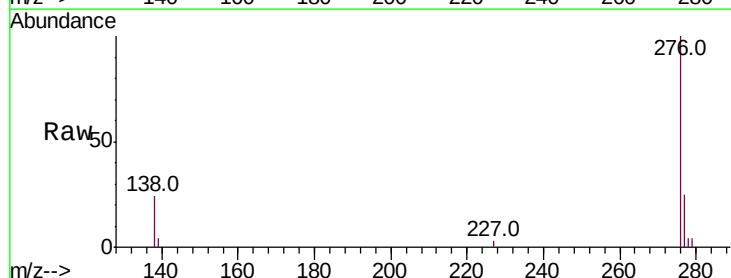
Tgt Ion:276 Resp: 14995

Ion Ratio Lower Upper

276 100

138 24.1 19.4 29.0

277 25.0 20.4 30.6



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

