

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122818\
 Data File : BN004260.D
 Acq On : 28 Dec 2018 13:51
 Operator : JU/SJ
 Sample : SSTD0.253
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 28 15:24:41 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 15:21:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	2277	0.40	ng/ul	0.00
2) Naphthalene-d8	10.62	136	9919	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5590	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	13274	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	15080	0.40	ng/ul	0.00
20) Perylene-d12	23.73	264	13292	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.22	152	3011	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	7414	0.24	ng/ul	0.00

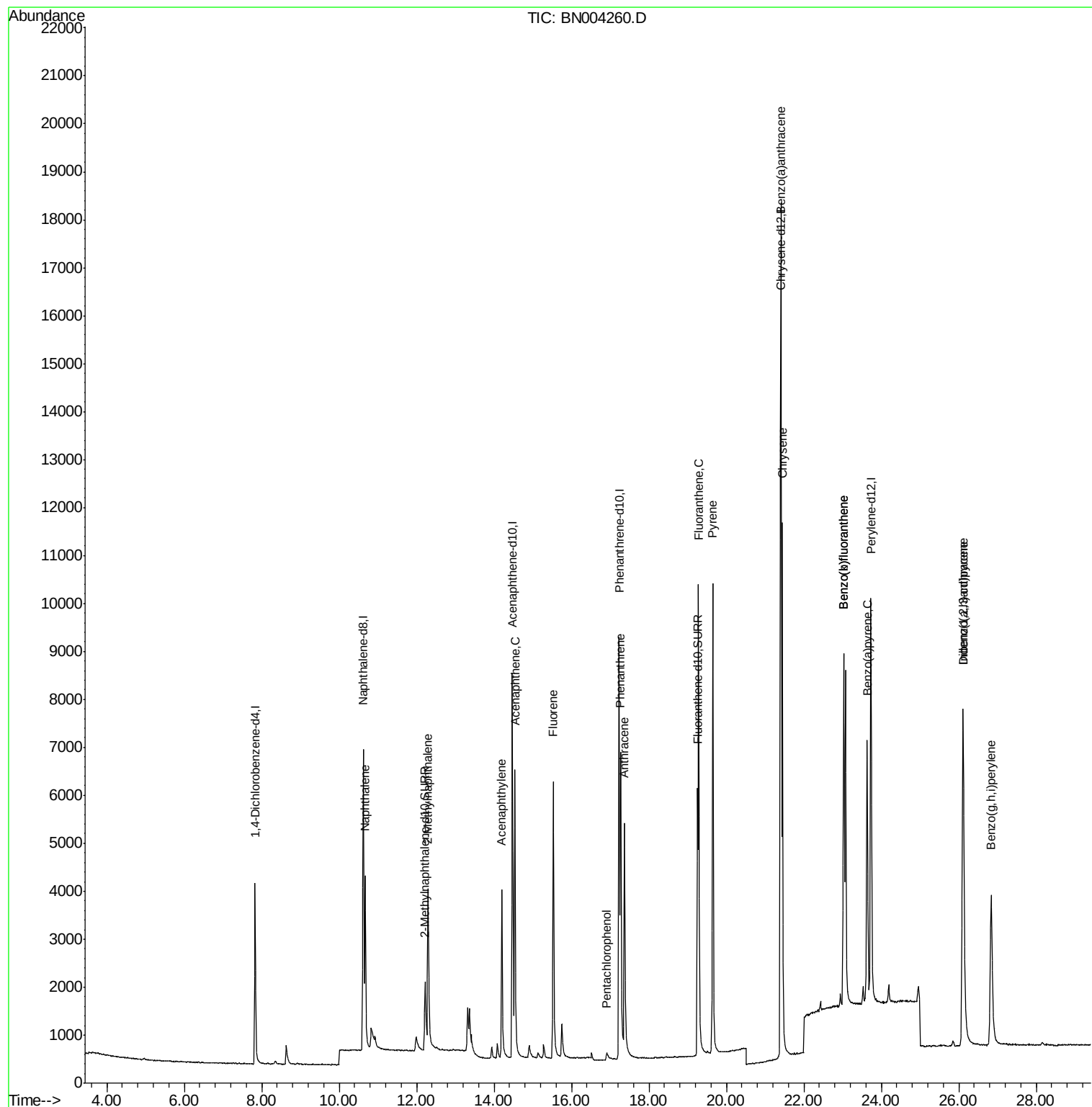
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.68	128	5501	0.173	ng/ul	99
5) 2-Methylnaphthalene	12.29	142	3800	0.189	ng/ul	97
7) Acenaphthylene	14.20	152	5524	0.199	ng/ul	98
8) Acenaphthene	14.54	153	4408	0.164	ng/ul	99
9) Fluorene	15.53	166	4946	0.170	ng/ul	99
11) Pentachlorophenol	16.91	266	290	0.109	ng/ul	91
12) Phenanthrene	17.27	178	8214	0.152	ng/ul	98
13) Anthracene	17.36	178	7488	0.186	ng/ul	98
15) Fluoranthene	19.28	202	9958	0.189	ng/ul	99
17) Pyrene	19.65	202	10375	0.117	ng/ul	100
18) Benzo(a)anthracene	21.39	228	10045	0.170	ng/ul	99
19) Chrysene	21.44	228	11106	0.138	ng/ul	99
21) Benzo(b)fluoranthene	23.02	252	9883	0.124	ng/ul	95
22) Benzo(k)fluoranthene	23.02	252	9883	0.131	ng/ul	95
23) Benzo(a)pyrene	23.64	252	9505	0.152	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	26.11	276	9799	0.139	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.11	278	8061	0.158	ng/ul	94
26) Benzo(g,h,i)perylene	26.84	276	8108	0.117	ng/ul	96

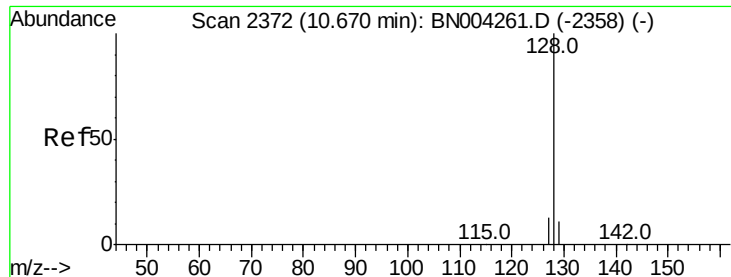
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.173 ng/ul

RT: 10.68 min Scan# 2373

Delta R.T. 0.01 min

Lab File: BN004260.D

Acq: 28 Dec 2018 13:51

Instrument :

BNA_N

ClientSampleId :

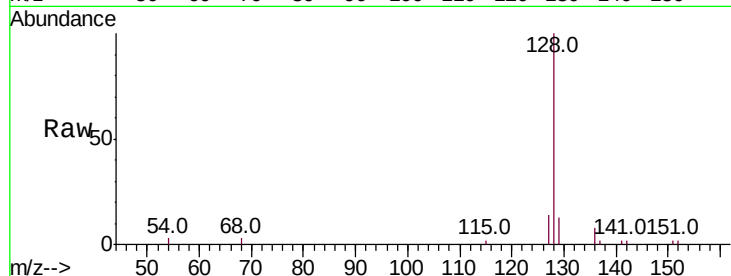
Tot Ion:128 Resp: 5501

Ion Ratio Lower Upper

128 100

129 12.7 9.5 14.3

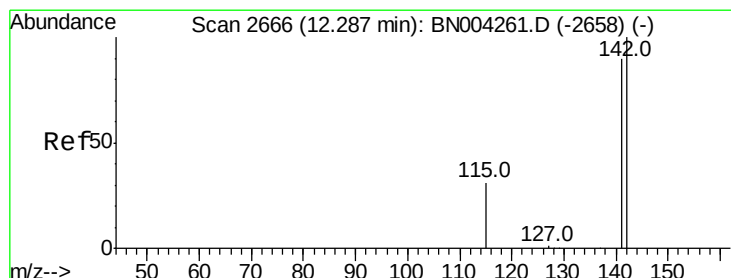
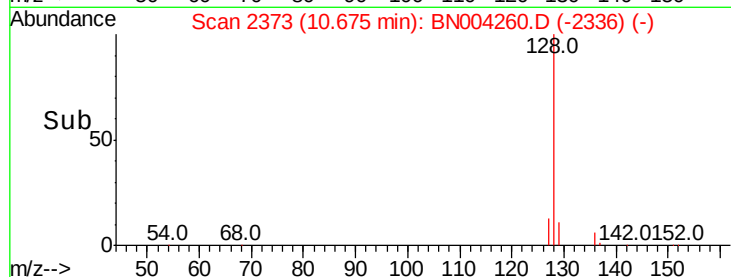
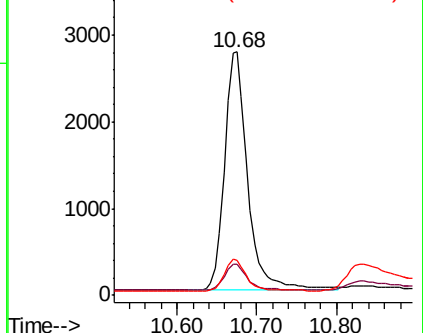
127 14.1 11.0 16.4



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: 0.189 ng/ul

RT: 12.29 min Scan# 2667

Delta R.T. 0.01 min

Lab File: BN004260.D

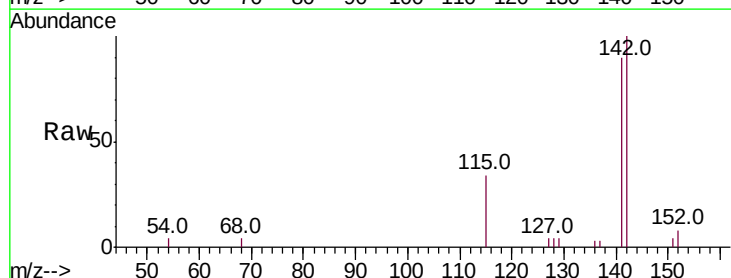
Acq: 28 Dec 2018 13:51

Tgt Ion:142 Resp: 3800

Ion Ratio Lower Upper

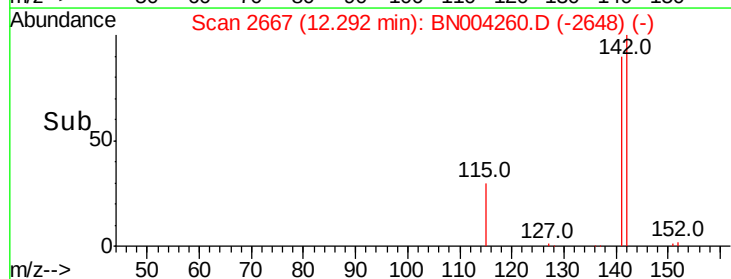
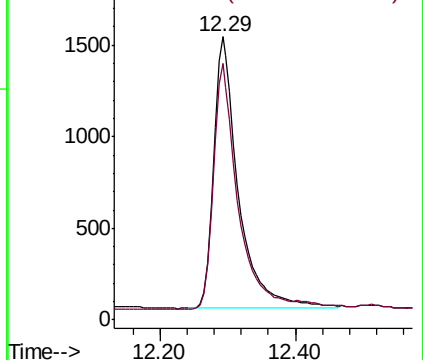
142 100

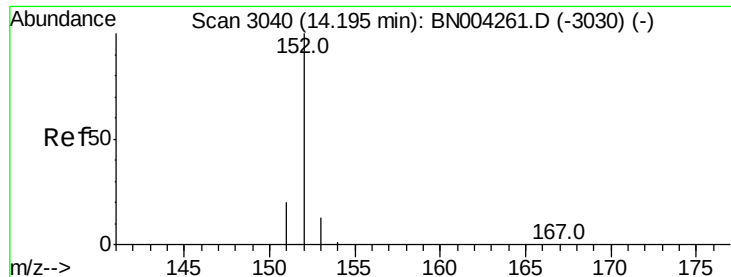
141 92.2 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.199 ng/ul

RT: 14.20 min Scan# 3041

Delta R.T. 0.00 min

Lab File: BN004260.D

Acq: 28 Dec 2018 13:51

Instrument :

BNA_N

ClientSampleId :

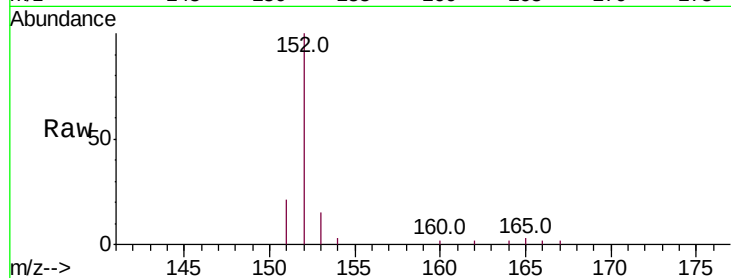
Tot Ion:152 Resp: 5524

Ion Ratio Lower Upper

152 100

151 21.3 16.3 24.5

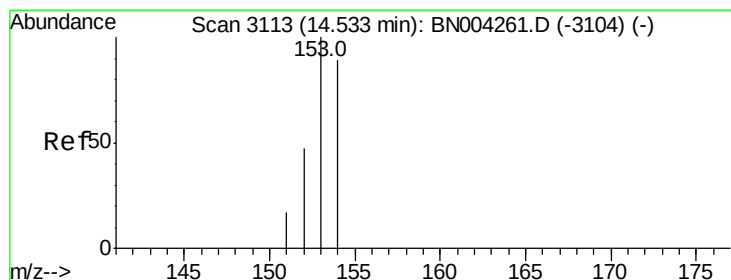
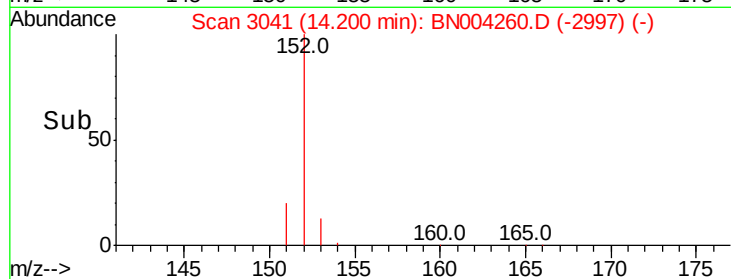
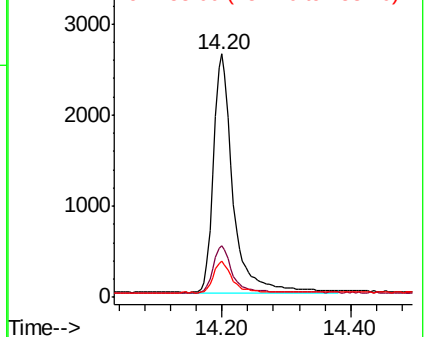
153 14.7 11.1 16.7



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: 0.164 ng/ul

RT: 14.54 min Scan# 3114

Delta R.T. 0.00 min

Lab File: BN004260.D

Acq: 28 Dec 2018 13:51

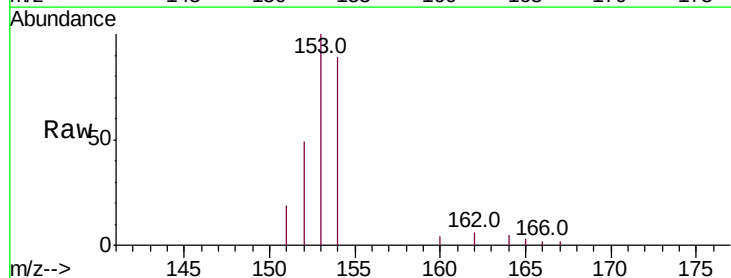
Tgt Ion:153 Resp: 4408

Ion Ratio Lower Upper

153 100

152 49.3 38.2 57.2

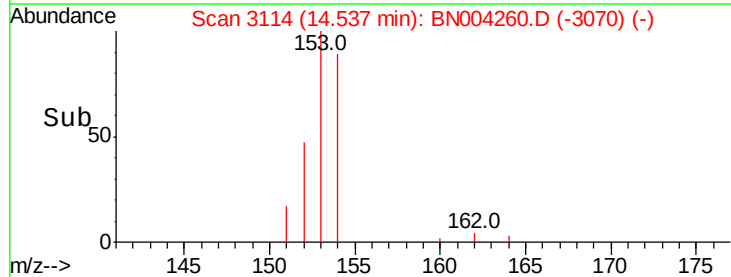
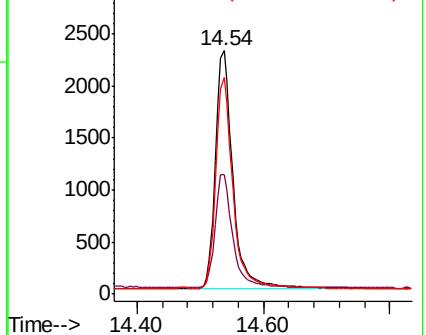
154 89.0 70.9 106.3

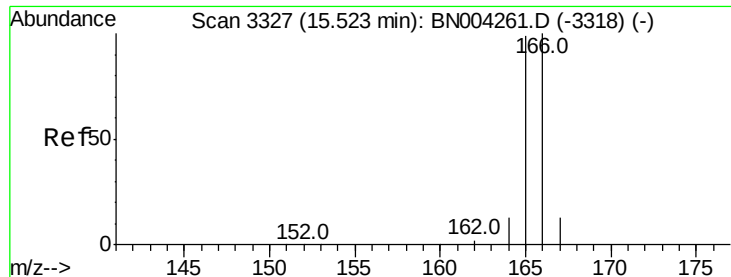


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.170 ng/ul

RT: 15.53 min Scan# 3329

Delta R.T. 0.01 min

Lab File: BN004260.D

Acq: 28 Dec 2018 13:51

Instrument :

BNA_N

ClientSampleId :

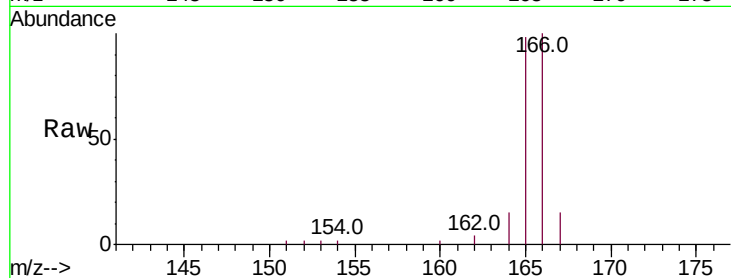
Tot Ion:166 Resp: 4946

Ion Ratio Lower Upper

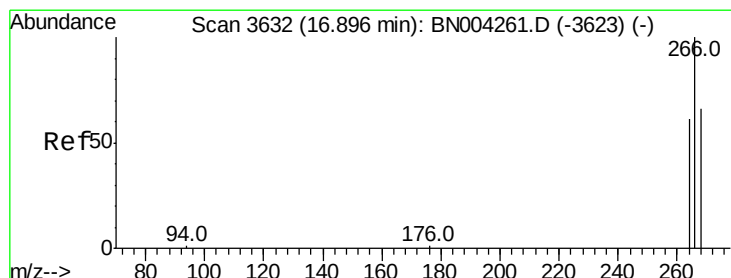
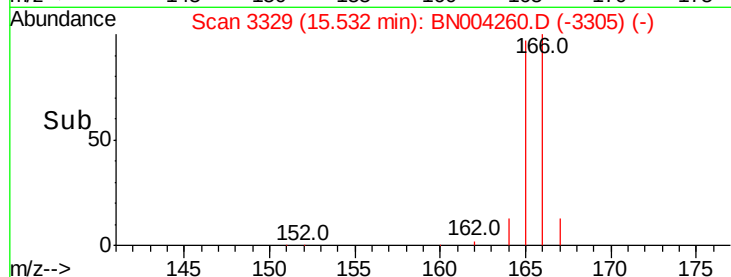
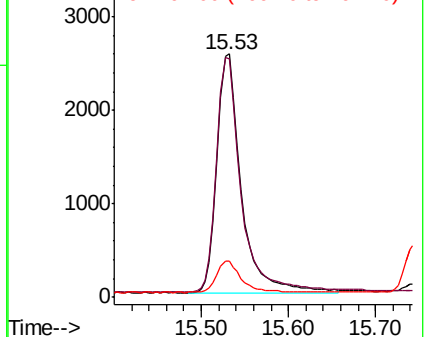
166 100

165 97.8 79.0 118.6

167 14.9 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: 0.109 ng/ul

RT: 16.91 min Scan# 3636

Delta R.T. 0.02 min

Lab File: BN004260.D

Acq: 28 Dec 2018 13:51

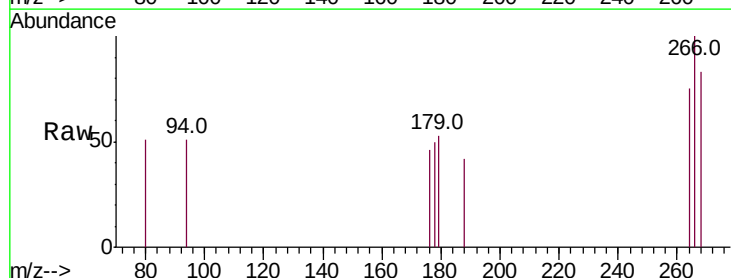
Tgt Ion:266 Resp: 290

Ion Ratio Lower Upper

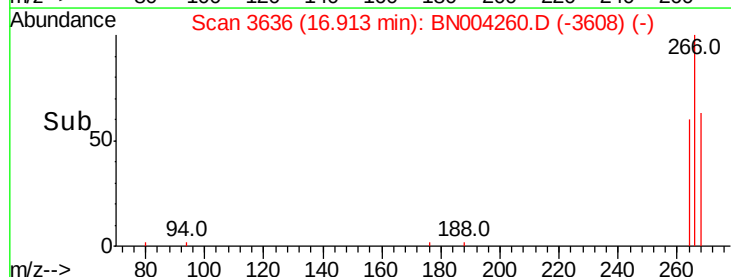
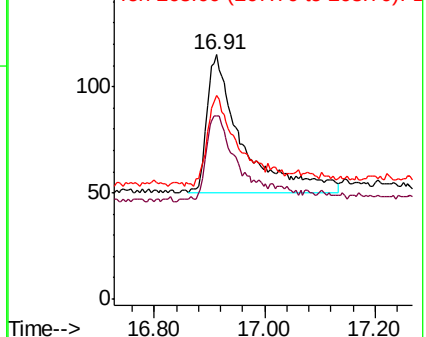
266 100

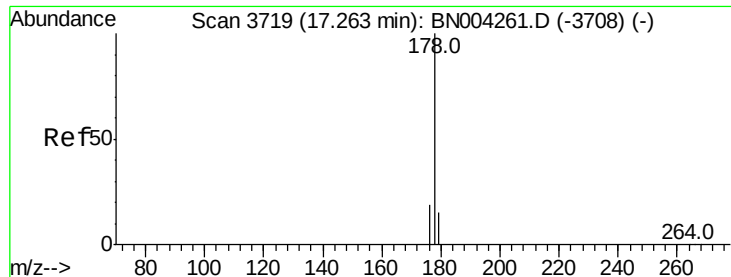
264 61.0 51.1 76.7

268 54.8 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: 0.152 ng/ul

RT: 17.27 min Scan# 3720

Delta R.T. 0.00 min

Lab File: BN004260.D

Acq: 28 Dec 2018 13:51

Instrument :

BNA_N

ClientSampleId :

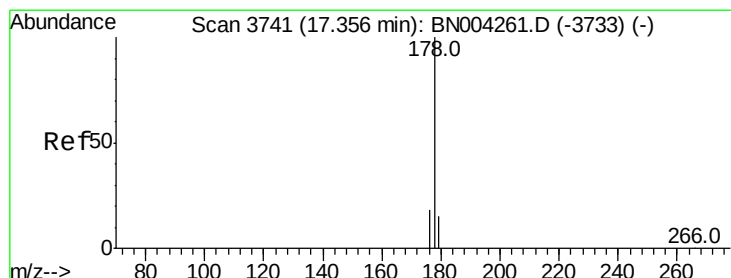
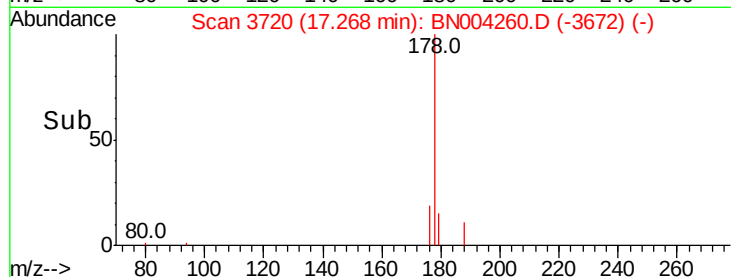
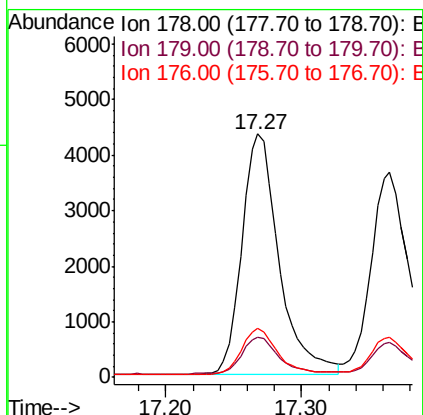
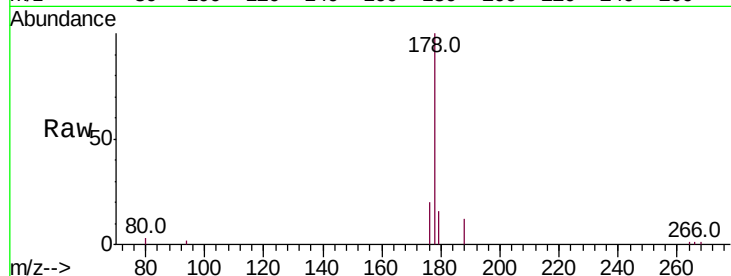
Tot Ion:178 Resp: 8214

Ion Ratio Lower Upper

178 100

179 16.4 12.6 18.8

176 20.1 15.2 22.8



#13

Anthracene

Concen: 0.186 ng/ul

RT: 17.36 min Scan# 3743

Delta R.T. 0.01 min

Lab File: BN004260.D

Acq: 28 Dec 2018 13:51

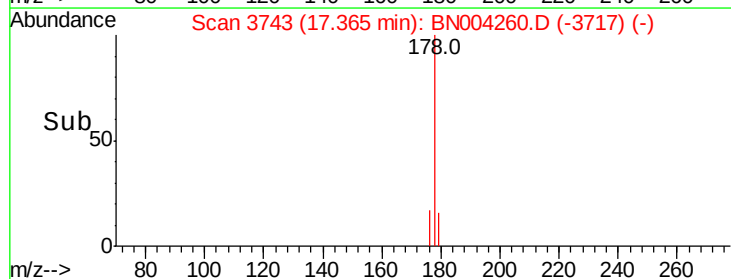
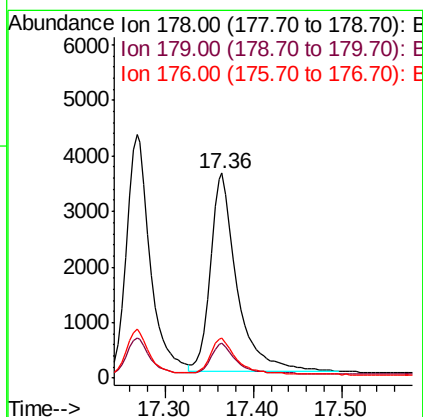
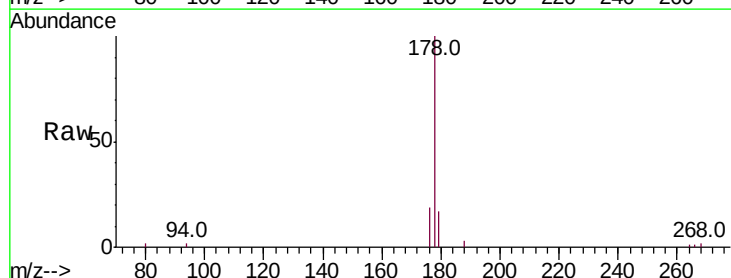
Tgt Ion:178 Resp: 7488

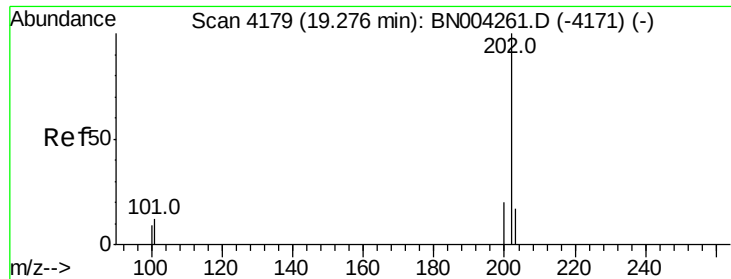
Ion Ratio Lower Upper

178 100

179 17.0 12.7 19.1

176 19.4 15.0 22.6

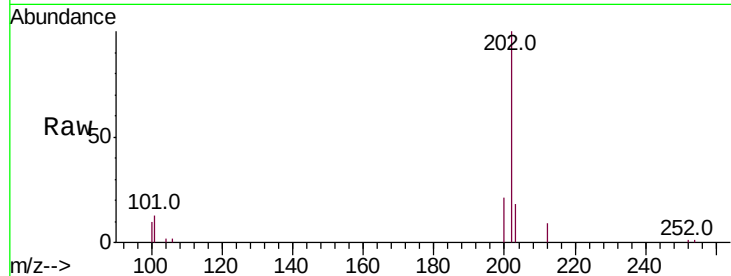




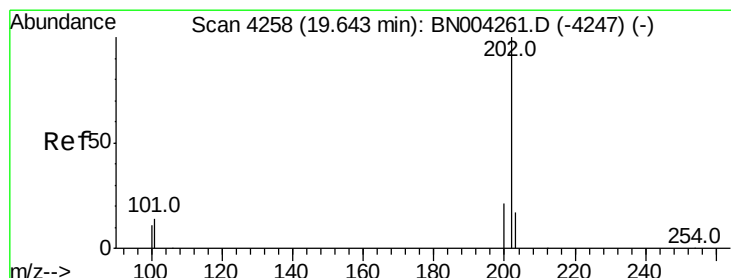
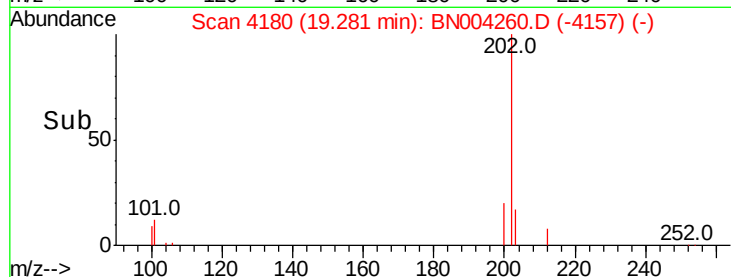
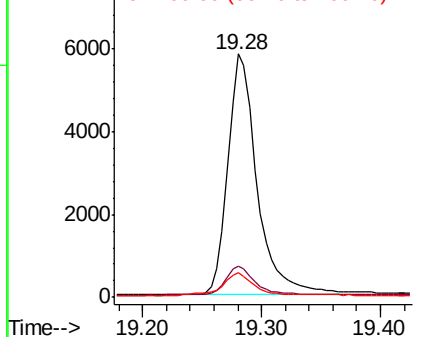
#15
Fluoranthene
Concen: 0.189 ng/ul
RT: 19.28 min Scan# 4180
Delta R.T. 0.00 min
Lab File: BN004260.D
Acq: 28 Dec 2018 13:51

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 9958
Ion Ratio Lower Upper
202 100
101 12.8 0.0 32.6
100 10.0 0.0 29.7

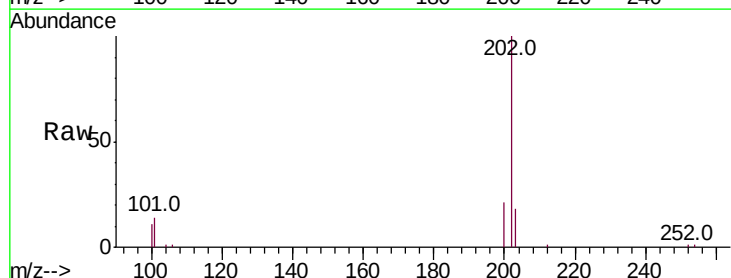


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

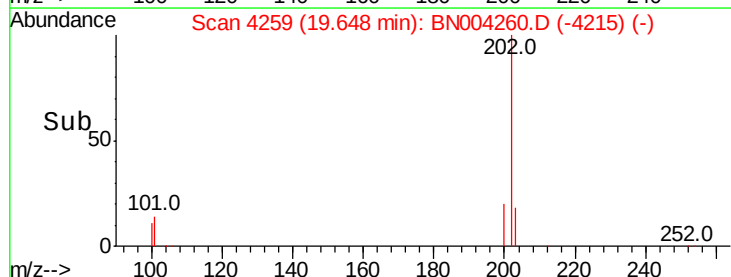
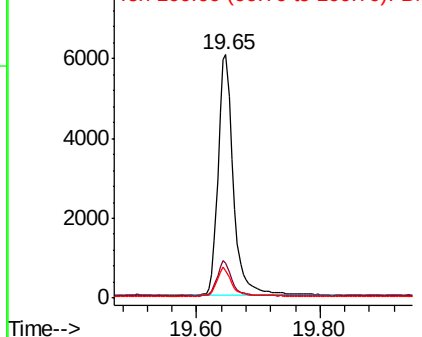


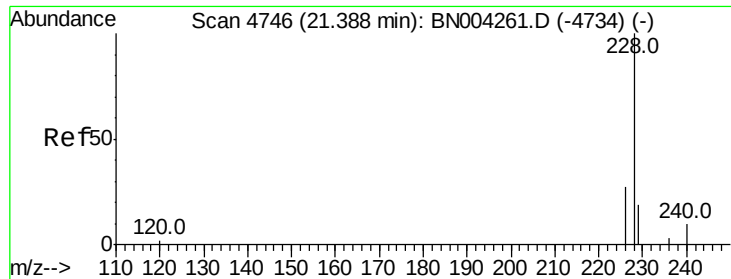
#17
Pyrene
Concen: 0.117 ng/ul
RT: 19.65 min Scan# 4259
Delta R.T. 0.00 min
Lab File: BN004260.D
Acq: 28 Dec 2018 13:51

Tgt Ion:202 Resp: 10375
Ion Ratio Lower Upper
202 100
101 14.3 11.2 16.8
100 11.3 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: 0.170 ng/ul

RT: 21.39 min Scan# 4747

Delta R.T. 0.00 min

Lab File: BN004260.D

Acq: 28 Dec 2018 13:51

Instrument :

BNA_N

ClientSampleId :

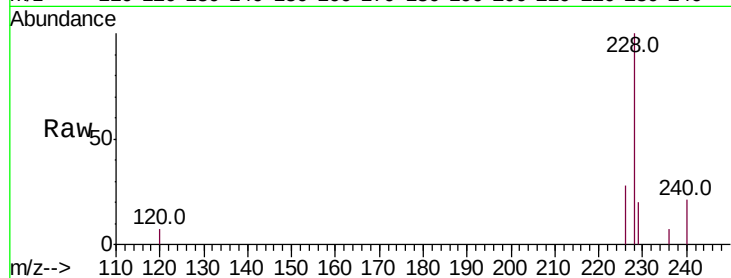
Tot Ion:228 Resp: 10045

Ion Ratio Lower Upper

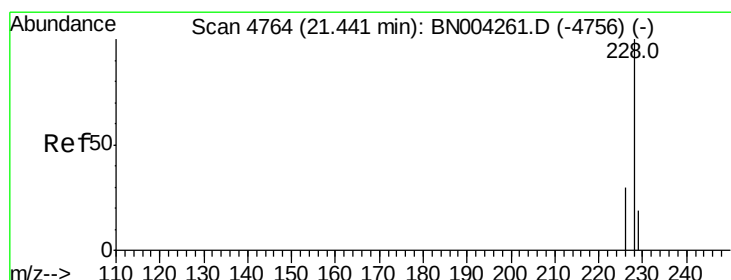
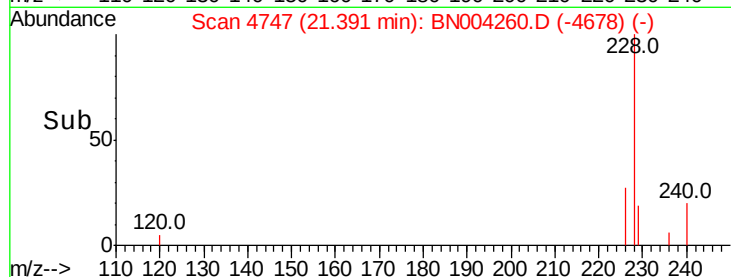
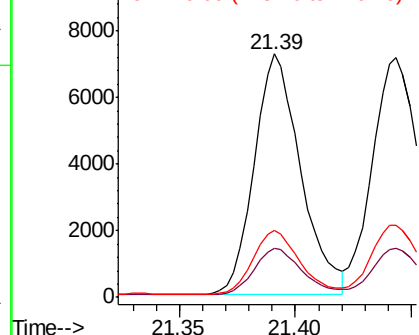
228 100

229 20.3 15.9 23.9

226 27.7 21.9 32.9



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: 0.138 ng/ul

RT: 21.44 min Scan# 4765

Delta R.T. 0.00 min

Lab File: BN004260.D

Acq: 28 Dec 2018 13:51

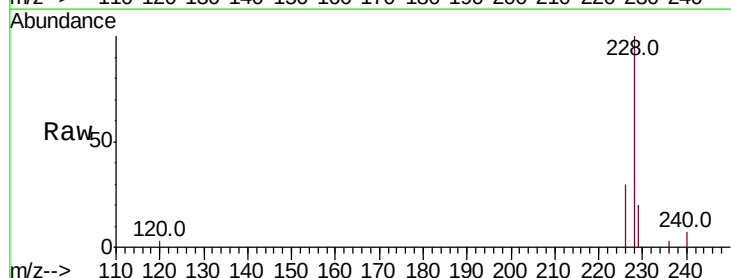
Tgt Ion:228 Resp: 11106

Ion Ratio Lower Upper

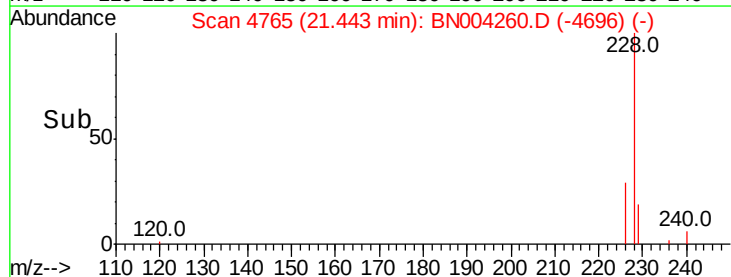
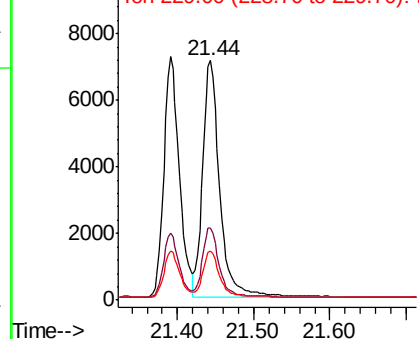
228 100

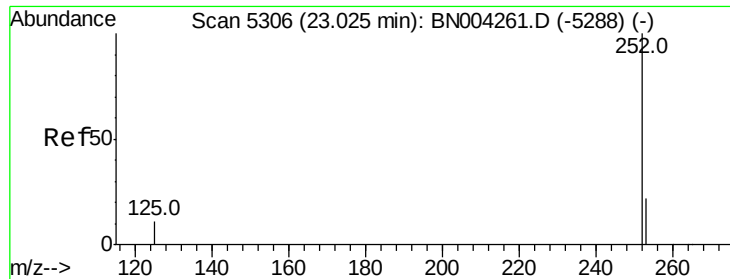
226 30.1 24.3 36.5

229 20.4 15.9 23.9



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: 0.124 ng/ul

RT: 23.02 min Scan# 5306

Delta R.T. -0.00 min

Lab File: BN004260.D

Acq: 28 Dec 2018 13:51

Instrument :

BNA_N

ClientSampleId :

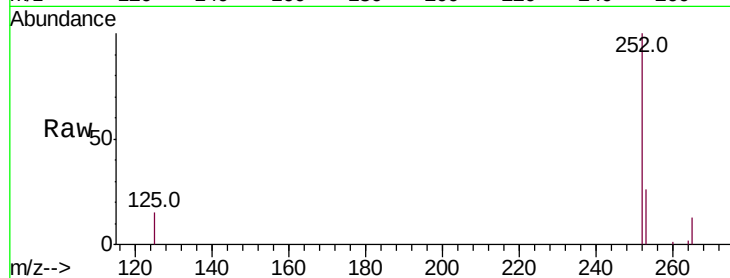
Tot Ion:252 Resp: 9883

Ion Ratio Lower Upper

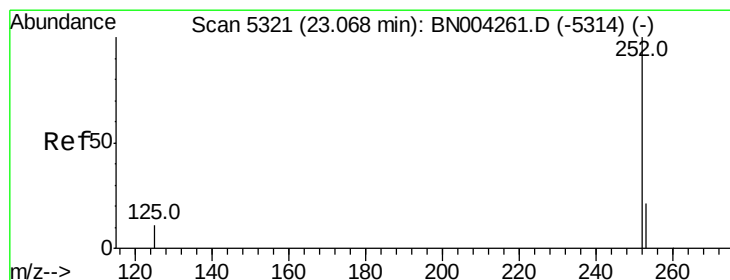
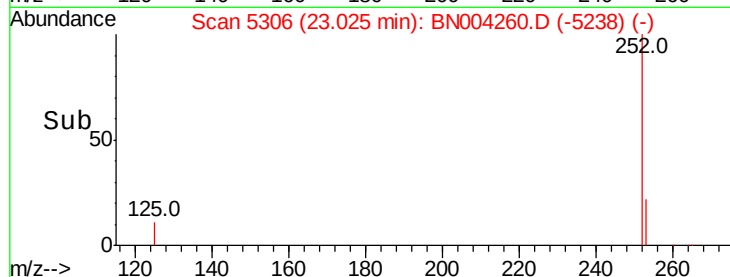
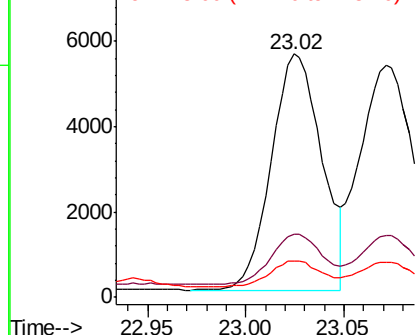
252 100

253 26.1 0.0 47.6

125 15.0 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: 0.131 ng/ul

RT: 23.02 min Scan# 5306

Delta R.T. -0.04 min

Lab File: BN004260.D

Acq: 28 Dec 2018 13:51

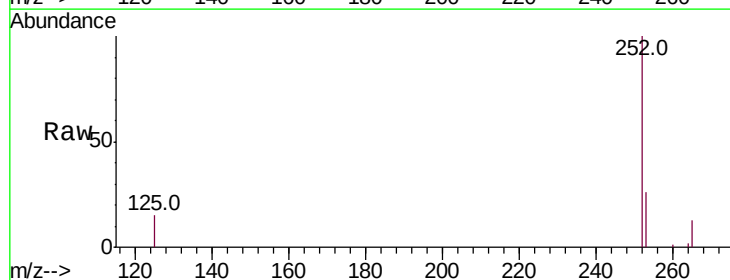
Tgt Ion:252 Resp: 9883

Ion Ratio Lower Upper

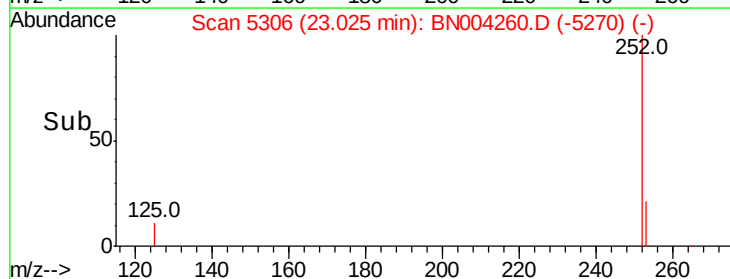
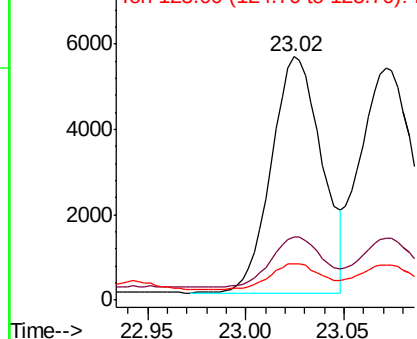
252 100

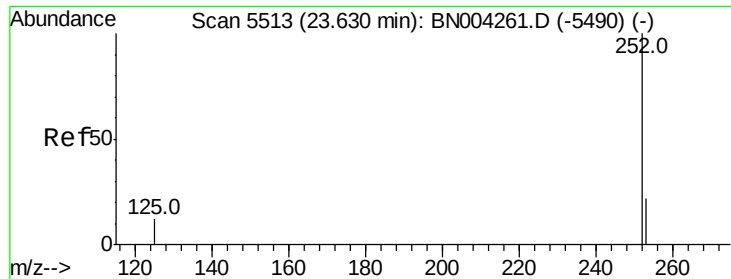
253 26.1 19.0 28.6

125 15.0 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: 0.152 ng/ul

RT: 23.64 min Scan# 5515

Delta R.T. 0.01 min

Lab File: BN004260.D

Acq: 28 Dec 2018 13:51

Instrument :

BNA_N

ClientSampleId :

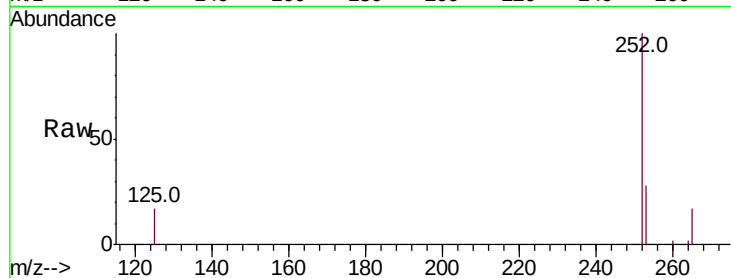
Tot Ion:252 Resp: 9505

Ion Ratio Lower Upper

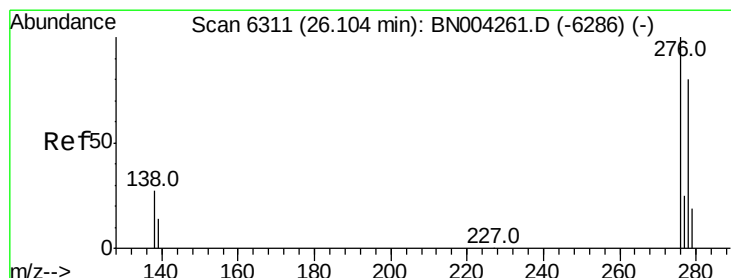
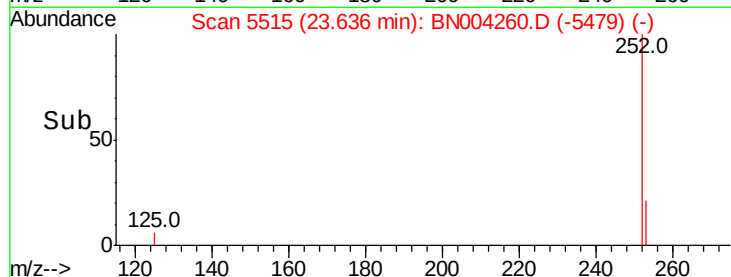
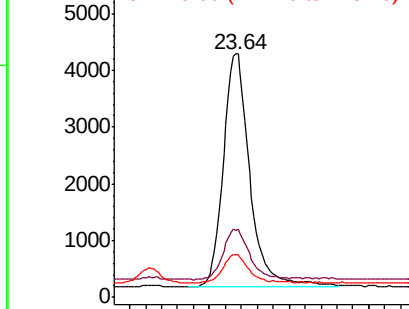
252 100

253 28.0 20.0 30.0

125 17.3 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: 0.139 ng/ul

RT: 26.11 min Scan# 6313

Delta R.T. 0.01 min

Lab File: BN004260.D

Acq: 28 Dec 2018 13:51

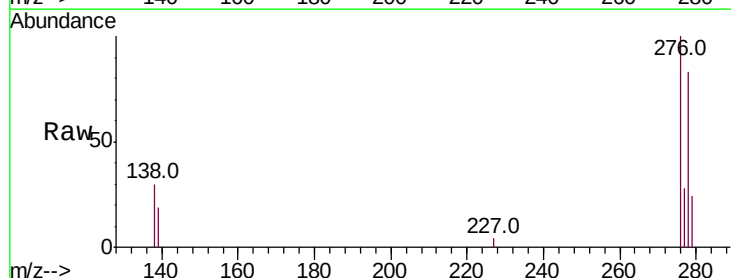
Tgt Ion:276 Resp: 9799

Ion Ratio Lower Upper

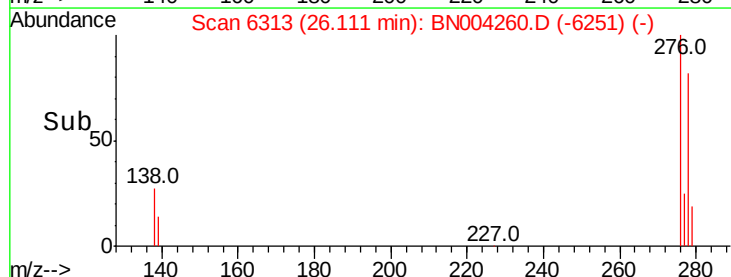
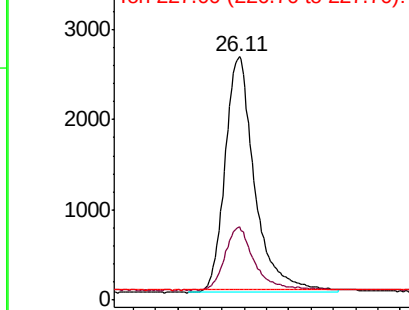
276 100

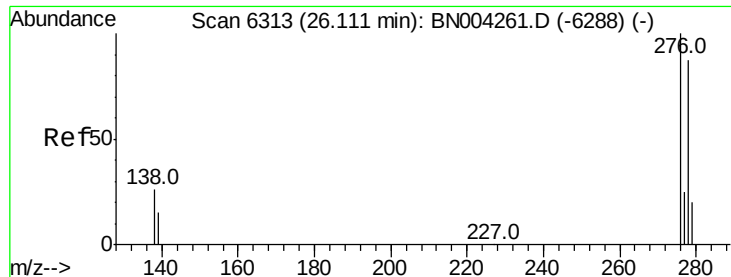
138 26.0 0.0 0.0#

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: 0.158 ng/ul

RT: 26.11 min Scan# 6314

Delta R.T. 0.00 min

Lab File: BN004260.D

Acq: 28 Dec 2018 13:51

Instrument :

BNA_N

ClientSampleId :

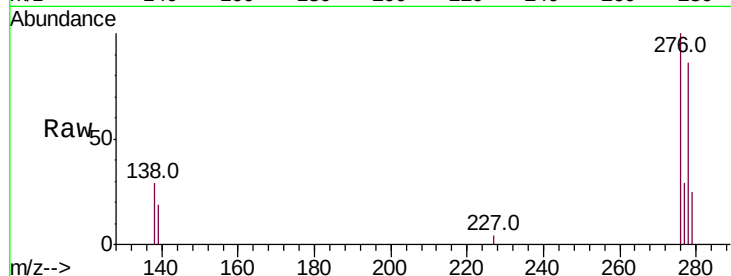
Tot Ion:278 Resp: 8061

Ion Ratio Lower Upper

278 100

139 22.3 15.4 23.2

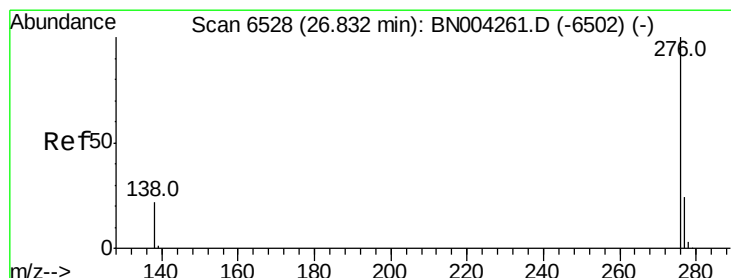
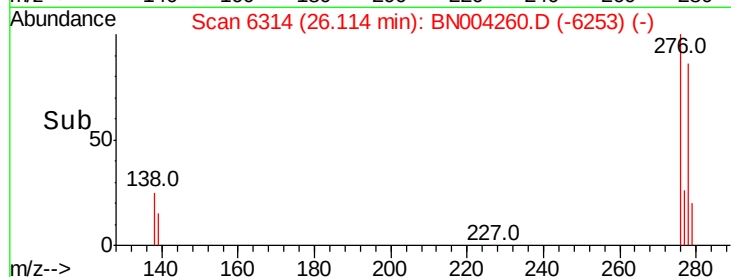
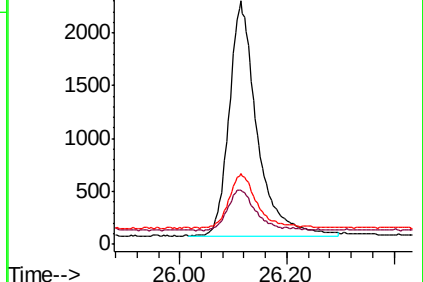
279 28.9 21.0 31.6



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: 0.117 ng/ul

RT: 26.84 min Scan# 6530

Delta R.T. 0.01 min

Lab File: BN004260.D

Acq: 28 Dec 2018 13:51

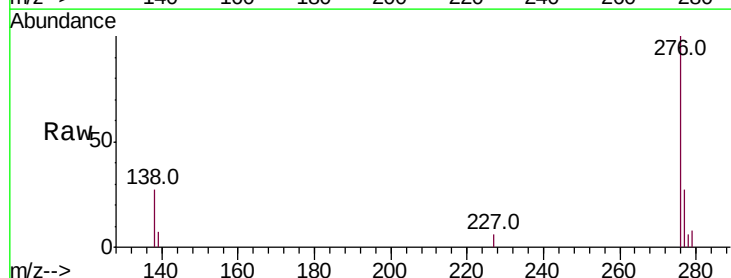
Tgt Ion:276 Resp: 8108

Ion Ratio Lower Upper

276 100

138 27.0 19.4 29.0

277 26.9 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

