

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN092118\
 Data File : BN002790.D
 Acq On : 20 Sep 2018 17:23
 Operator : JU/SJ
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.469

Quant Time: Sep 21 03:04:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 21 03:03:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	1233	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	5309	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	2615	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.06	188	5389	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	4900	0.40	ng/ul	0.00
20) Perylene-d12	23.48	264	4979	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.04	152	3105	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	5779	0.42	ng/ul	0.00

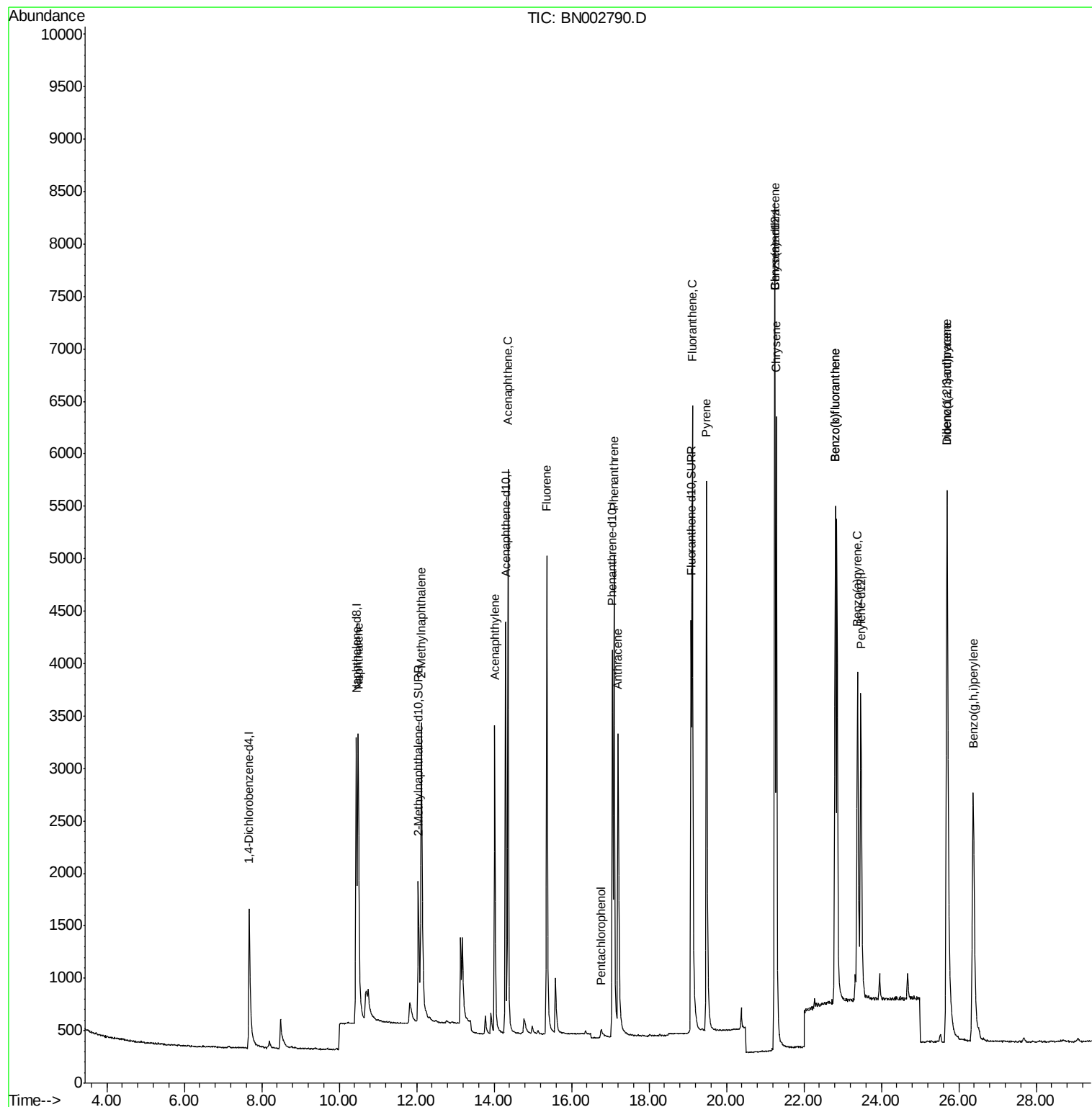
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.49	128	5458	0.409	ng/ul#	96
5) 2-Methylnaphthalene	12.12	142	3575	0.413	ng/ul	99
7) Acenaphthylene	14.02	152	4432	0.401	ng/ul	98
8) Acenaphthene	14.36	153	3715	0.412	ng/ul	95
9) Fluorene	15.37	166	3934	0.409	ng/ul	95
11) Pentachlorophenol	16.77	266	169	0.278	ng/ul	94
12) Phenanthrene	17.09	178	6054	0.407	ng/ul#	90
13) Anthracene	17.20	178	5222	0.404	ng/ul#	92
15) Fluoranthene	19.12	202	6602	0.412	ng/ul	95
17) Pyrene	19.49	202	6781	0.424	ng/ul#	96
18) Benzo(a)anthracene	21.24	228	5542	0.409	ng/ul#	86
19) Chrysene	21.29	228	6906	0.437	ng/ul	97
21) Benzo(b)fluoranthene	22.81	252	6500	0.395	ng/ul	90
22) Benzo(k)fluoranthene	22.81	252	6500	0.375	ng/ul	92
23) Benzo(a)pyrene	23.38	252	6433	0.408	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	25.70	276	7607	0.401	ng/ul#	88
25) Dibenzo(a,h)anthracene	25.70	278	6024	0.396	ng/ul	94
26) Benzo(g,h,i)perylene	26.37	276	6575	0.401	ng/ul	99

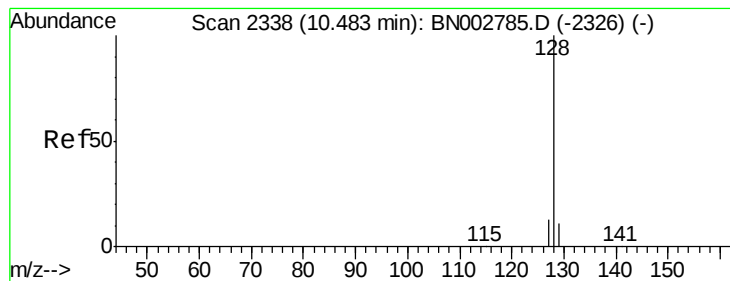
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.409 ng/ul

RT: 10.49 min Scan# 2339

Delta R.T. 0.01 min

Lab File: BN002790.D

Acq: 20 Sep 2018 17:23

Instrument :

BNA_N

ClientSampleId :

SSTD0.469

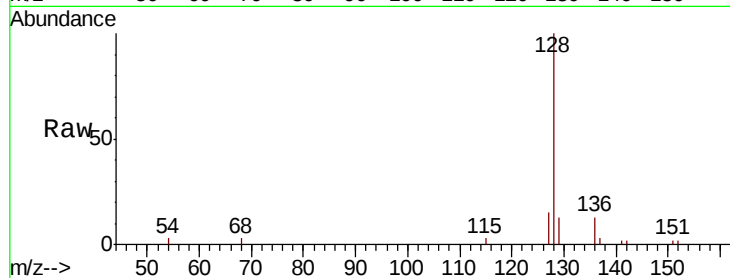
Tgt Ion:128 Resp: 5458

Ion Ratio Lower Upper

128 100

129 12.7 8.0 12.0#

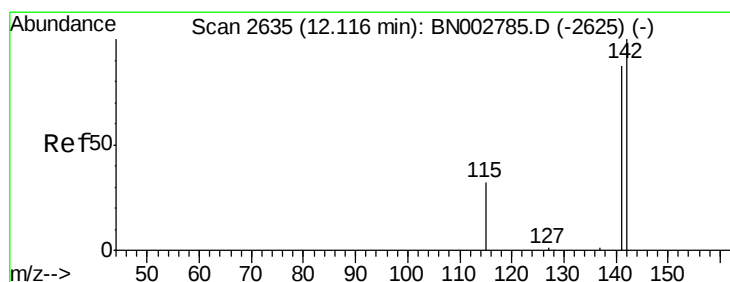
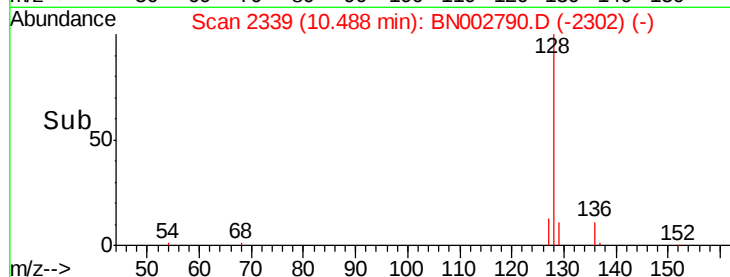
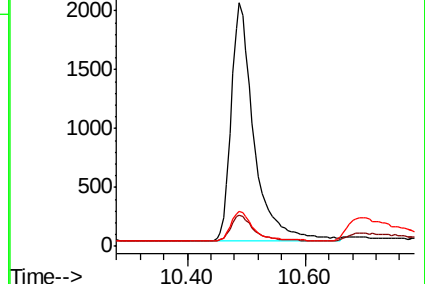
127 14.6 12.0 18.0



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: 0.413 ng/ul

RT: 12.12 min Scan# 2636

Delta R.T. 0.01 min

Lab File: BN002790.D

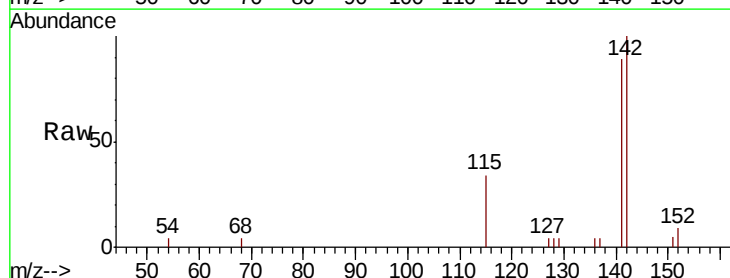
Acq: 20 Sep 2018 17:23

Tgt Ion:142 Resp: 3575

Ion Ratio Lower Upper

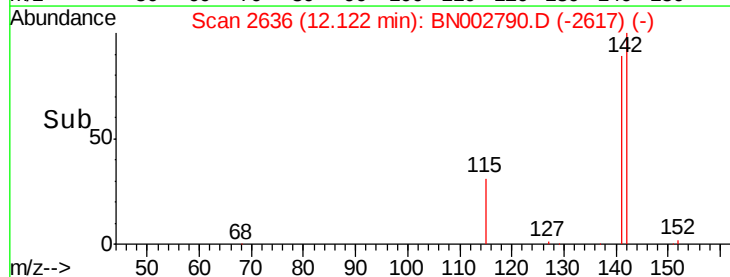
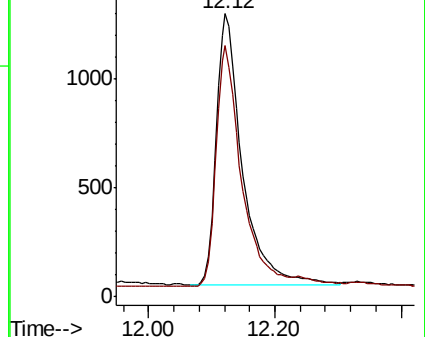
142 100

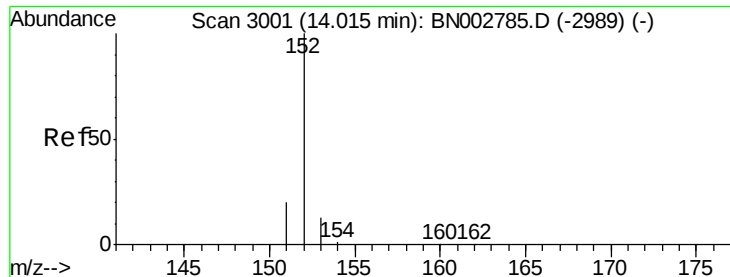
141 90.0 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.401 ng/ul

RT: 14.02 min Scan# 3002

Delta R.T. 0.00 min

Lab File: BN002790.D

Acq: 20 Sep 2018 17:23

Instrument :

BNA_N

ClientSampleId :

SSTD0.469

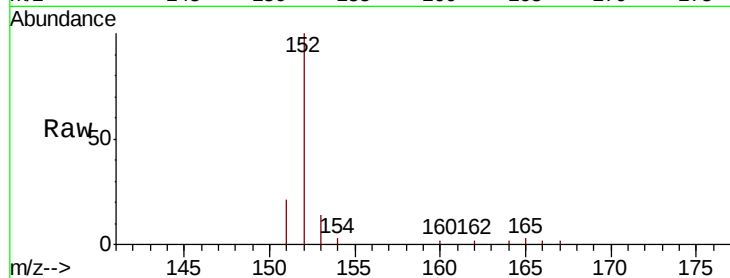
Tgt Ion:152 Resp: 4432

Ion Ratio Lower Upper

152 100

151 21.2 17.1 25.7

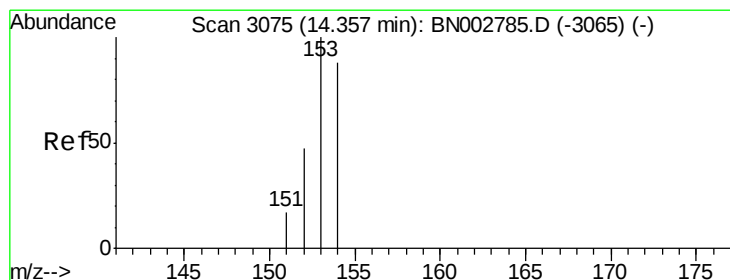
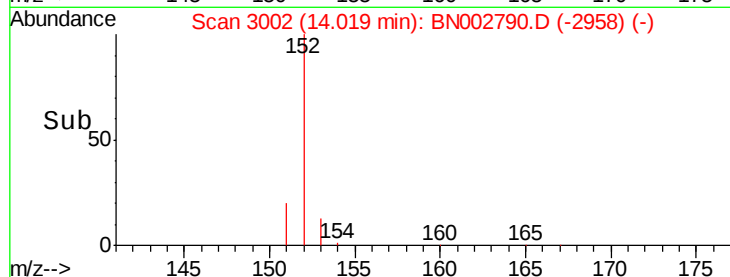
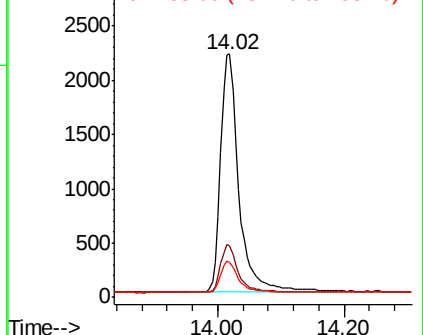
153 14.4 12.8 19.2



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: 0.412 ng/ul

RT: 14.36 min Scan# 3075

Delta R.T. -0.00 min

Lab File: BN002790.D

Acq: 20 Sep 2018 17:23

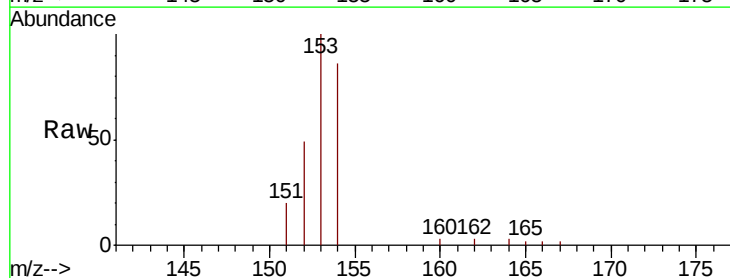
Tgt Ion:153 Resp: 3715

Ion Ratio Lower Upper

153 100

152 49.0 36.0 54.0

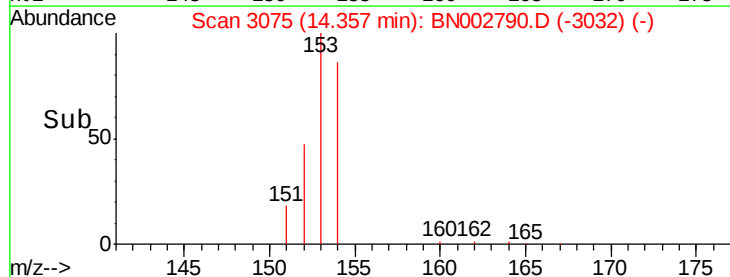
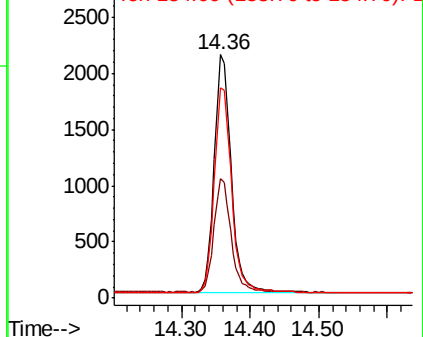
154 86.2 72.0 108.0

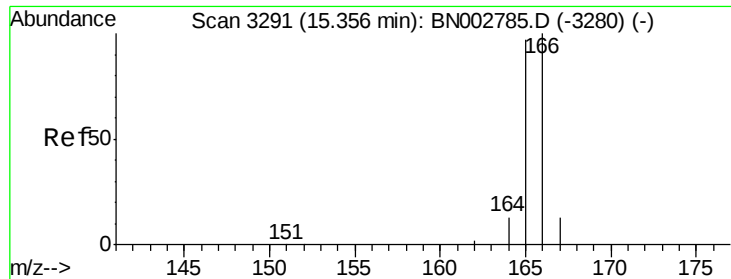


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.409 ng/ul

RT: 15.37 min Scan# 3293

Delta R.T. 0.01 min

Lab File: BN002790.D

Acq: 20 Sep 2018 17:23

Instrument :

BNA_N

ClientSampleId :

SSTD0.469

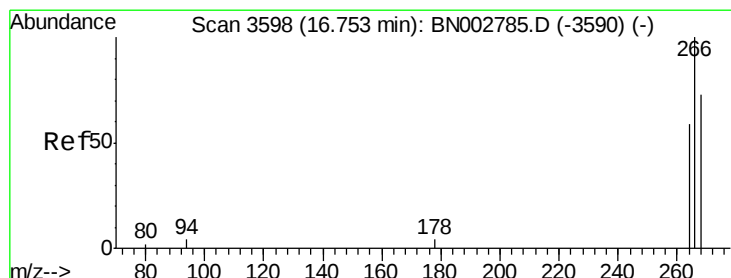
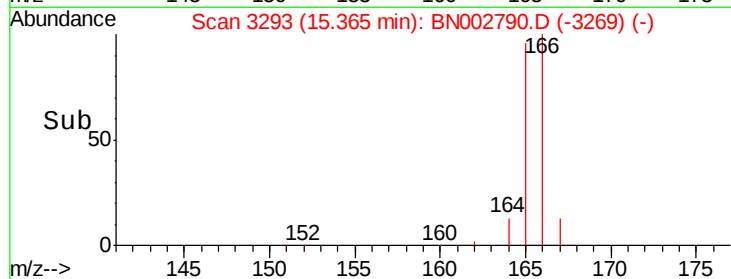
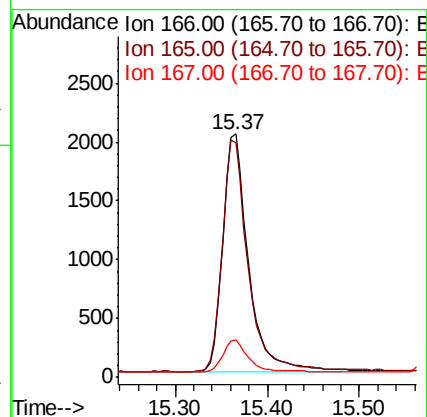
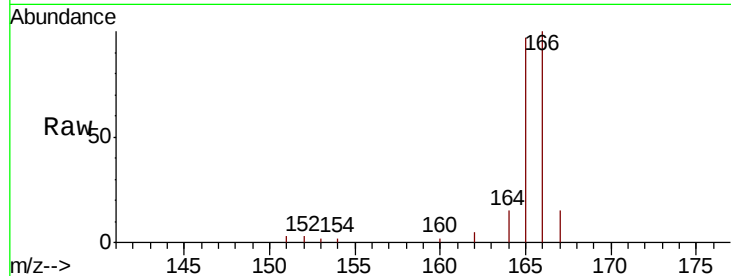
Tgt Ion:166 Resp: 3934

Ion Ratio Lower Upper

166 100

165 96.6 73.4 110.2

167 15.2 14.6 22.0



#11

Pentachlorophenol

Concen: 0.278 ng/ul

RT: 16.77 min Scan# 3601

Delta R.T. 0.01 min

Lab File: BN002790.D

Acq: 20 Sep 2018 17:23

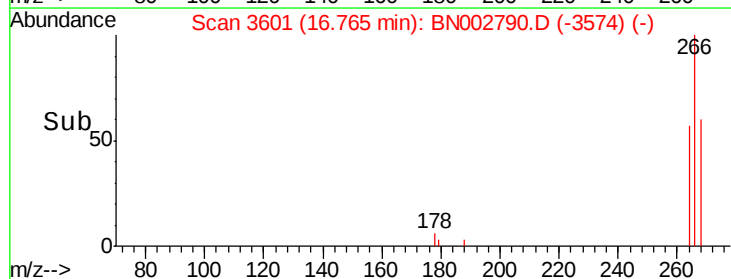
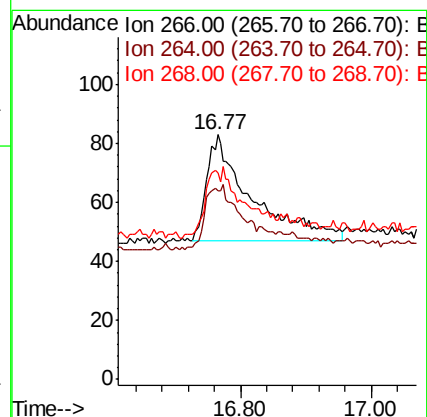
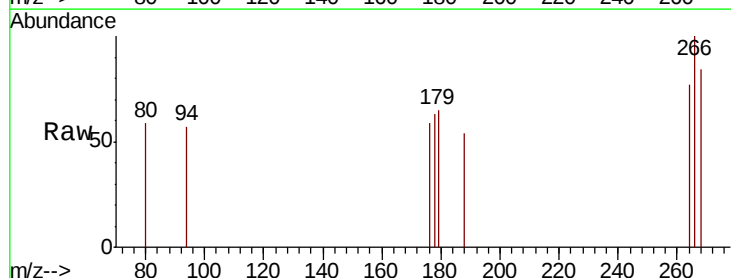
Tgt Ion:266 Resp: 169

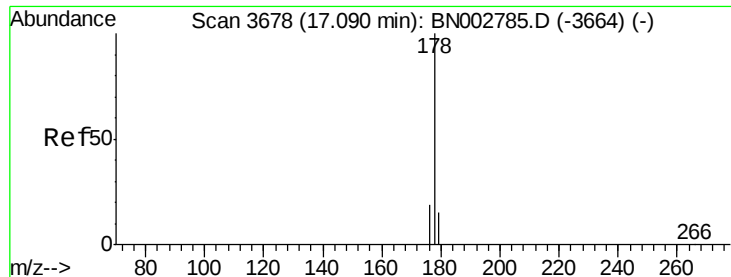
Ion Ratio Lower Upper

266 100

264 66.3 47.9 71.9

268 59.8 49.8 74.8





#12

Phenanthrene

Concen: 0.407 ng/ul

RT: 17.09 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BN002790.D

Acq: 20 Sep 2018 17:23

Instrument :

BNA_N

ClientSampleId :

SSTD0.469

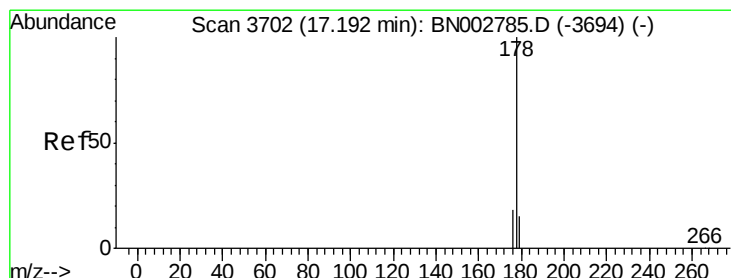
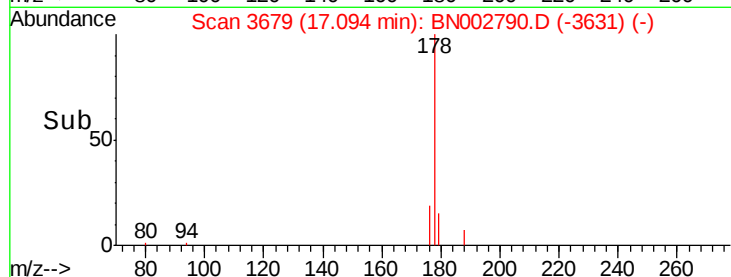
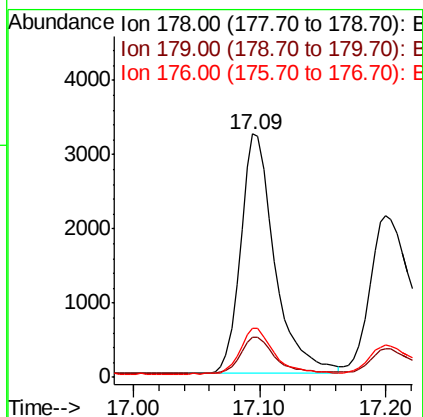
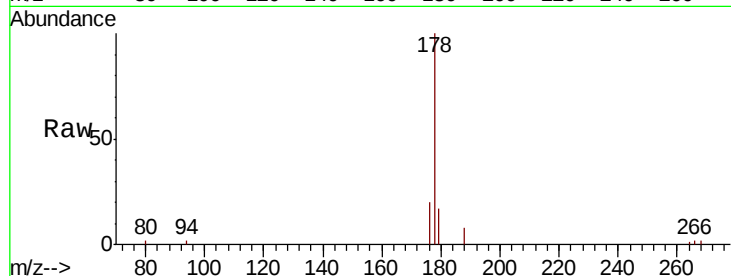
Tgt Ion:178 Resp: 6054

Ion Ratio Lower Upper

178 100

179 16.6 18.4 27.6#

176 20.0 13.6 20.4



#13

Anthracene

Concen: 0.404 ng/ul

RT: 17.20 min Scan# 3704

Delta R.T. 0.01 min

Lab File: BN002790.D

Acq: 20 Sep 2018 17:23

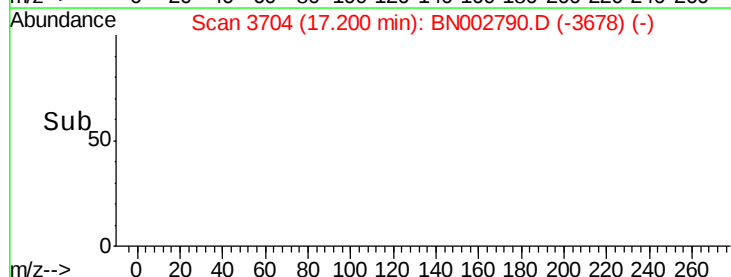
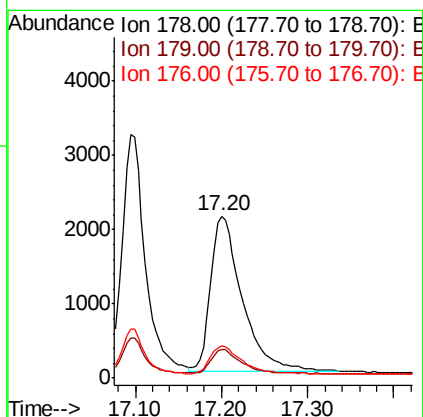
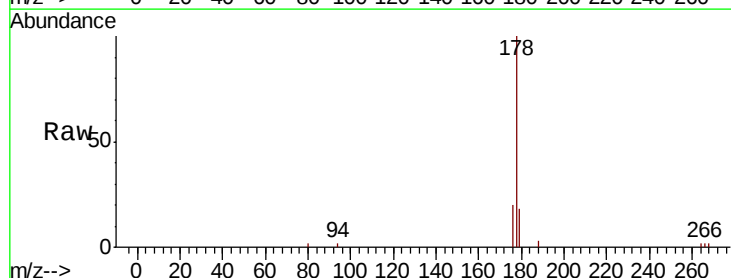
Tgt Ion:178 Resp: 5222

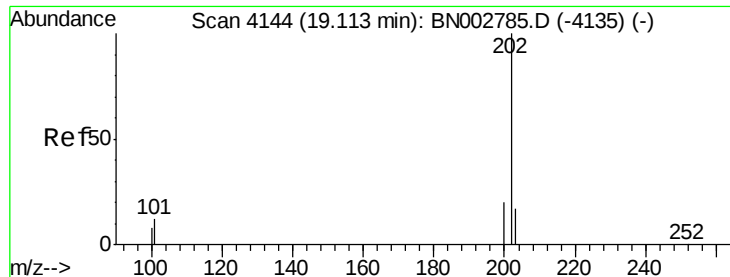
Ion Ratio Lower Upper

178 100

179 17.6 18.1 27.1#

176 20.4 14.7 22.1





#15

Fluoranthene

Concen: 0.412 ng/ul

RT: 19.12 min Scan# 4145

Delta R.T. 0.00 min

Lab File: BN002790.D

Acq: 20 Sep 2018 17:23

Instrument :

BNA_N

ClientSampleId :

SSTD0.469

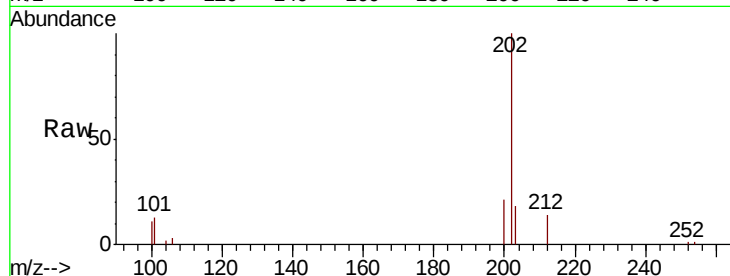
Tgt Ion:202 Resp: 6602

Ion Ratio Lower Upper

202 100

101 13.2 0.0 30.0

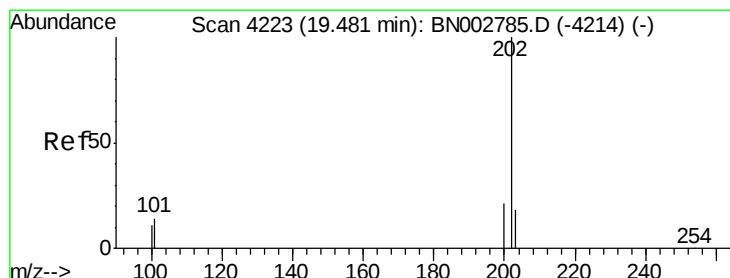
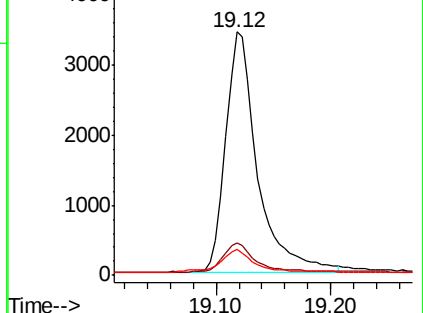
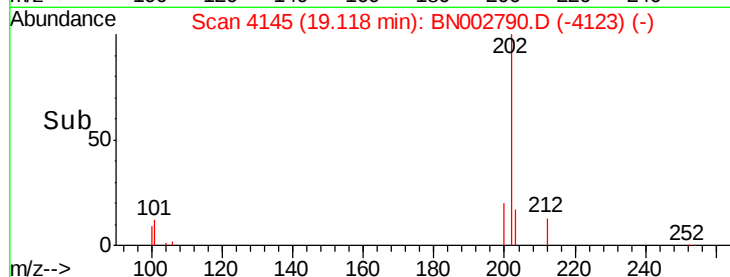
100 10.6 0.0 30.0



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: 0.424 ng/ul

RT: 19.49 min Scan# 4224

Delta R.T. 0.00 min

Lab File: BN002790.D

Acq: 20 Sep 2018 17:23

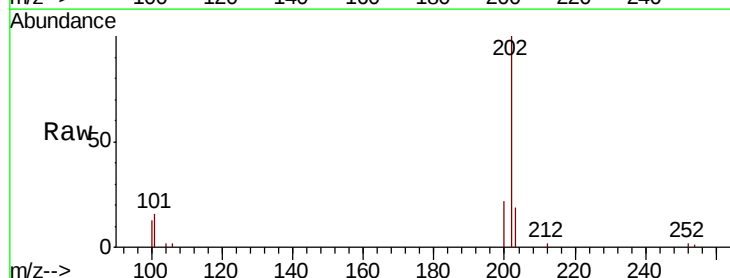
Tgt Ion:202 Resp: 6781

Ion Ratio Lower Upper

202 100

101 15.5 12.0 18.0

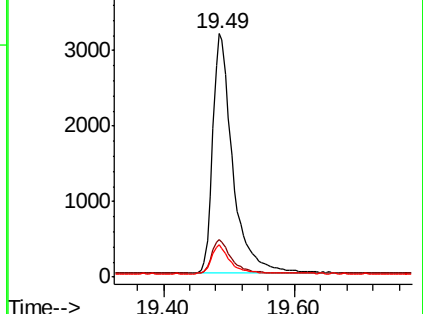
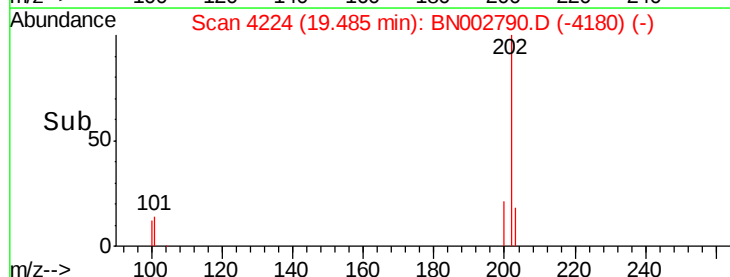
100 13.2 8.0 12.0#

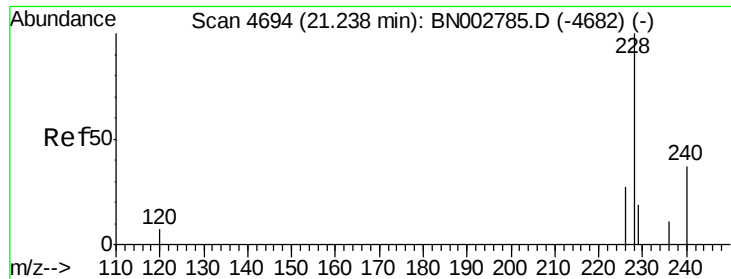


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.409 ng/ul

RT: 21.24 min Scan# 4696

Delta R.T. 0.01 min

Lab File: BN002790.D

Acq: 20 Sep 2018 17:23

Instrument :

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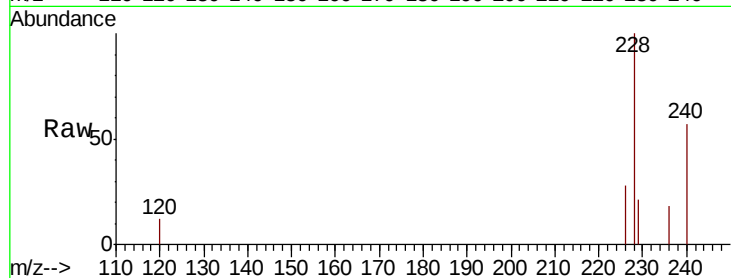
Tgt Ion:228 Resp: 5542

Ion Ratio Lower Upper

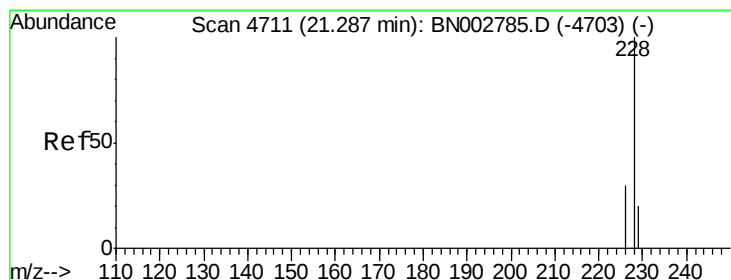
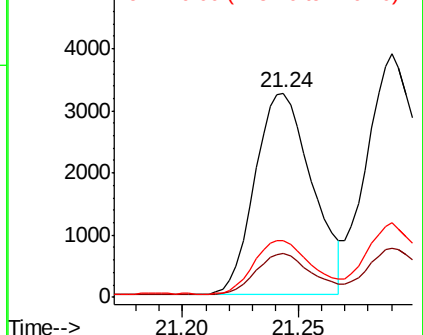
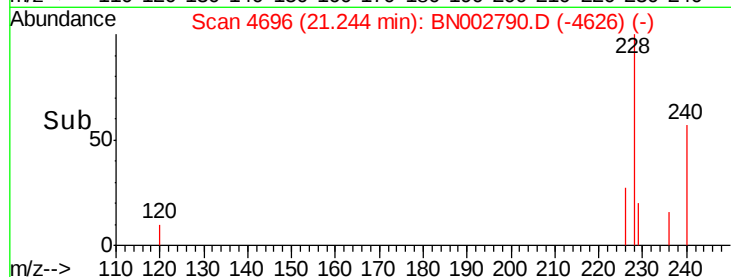
228 100

229 21.4 22.8 34.2#

226 28.0 17.0 25.6#



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: 0.437 ng/ul

RT: 21.29 min Scan# 4712

Delta R.T. 0.00 min

Lab File: BN002790.D

Acq: 20 Sep 2018 17:23

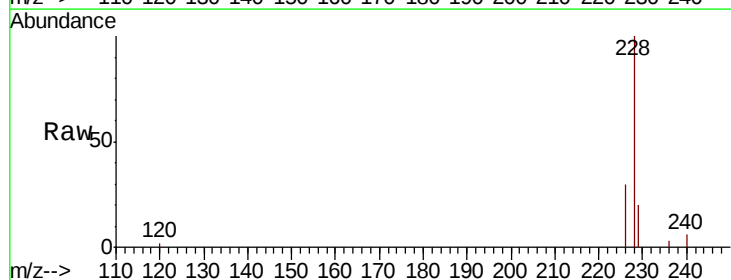
Tgt Ion:228 Resp: 6906

Ion Ratio Lower Upper

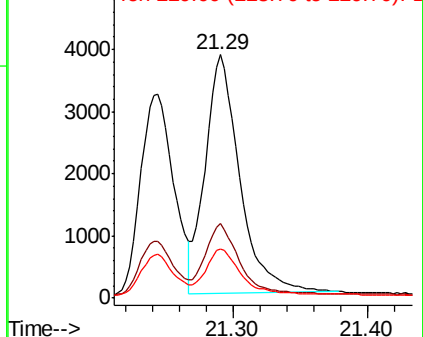
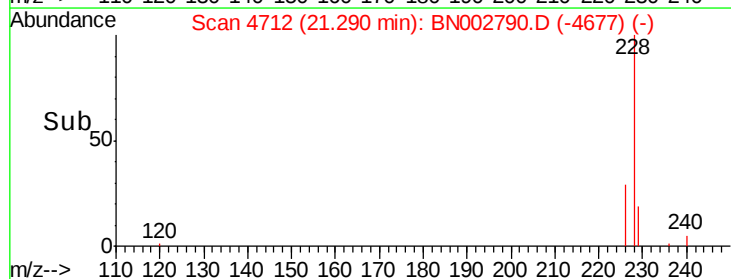
228 100

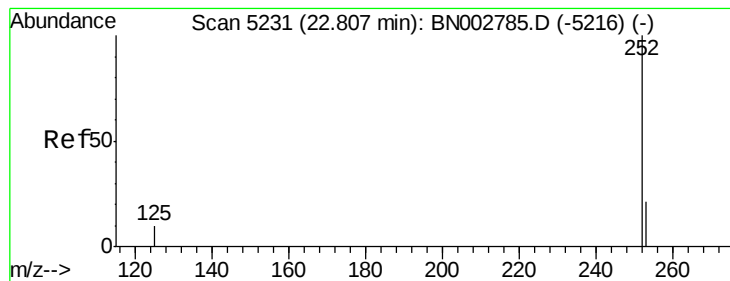
226 30.5 23.4 35.0

229 20.3 17.7 26.5



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: 0.395 ng/u1

RT: 22.81 min Scan# 5232

Delta R.T. 0.00 min

Lab File: BN002790.D

Acq: 20 Sep 2018 17:23

Instrument :

BNA_N

ClientSampleId :

SSTD0.469

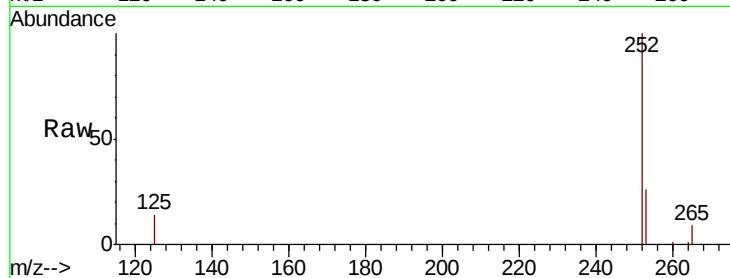
Tgt Ion:252 Resp: 6500

Ion Ratio Lower Upper

252 100

253 25.5 0.0 64.2

125 14.2 0.0 35.0

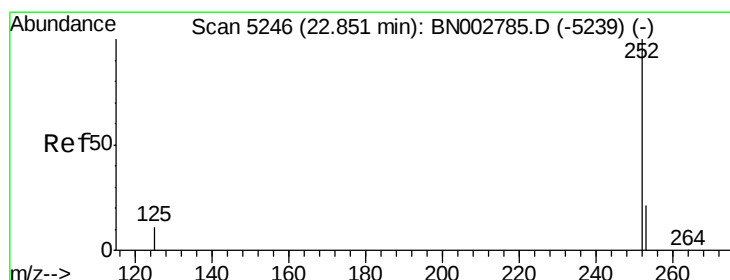
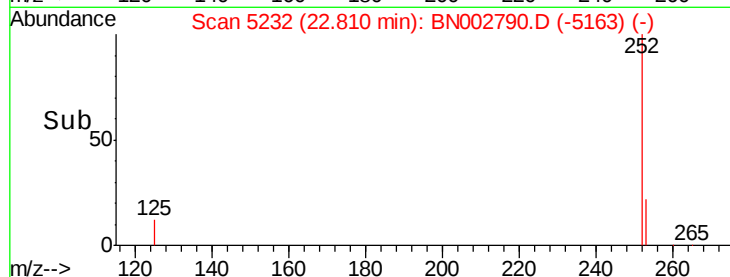
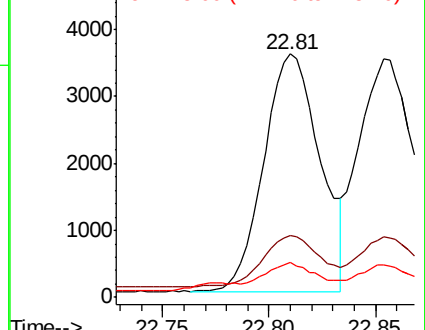


Abundance

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: 0.375 ng/u1

RT: 22.81 min Scan# 5232

Delta R.T. -0.04 min

Lab File: BN002790.D

Acq: 20 Sep 2018 17:23

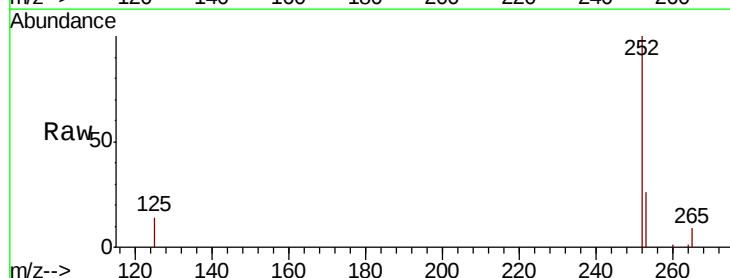
Tgt Ion:252 Resp: 6500

Ion Ratio Lower Upper

252 100

253 25.5 24.5 36.7

125 14.2 13.7 20.5

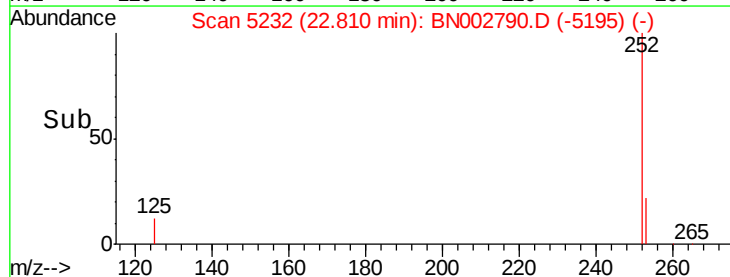
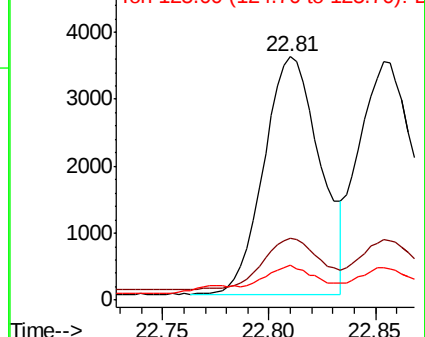


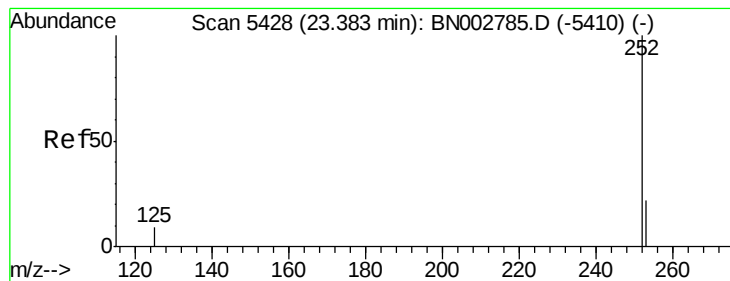
Abundance

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: 0.408 ng/ul

RT: 23.38 min Scan# 5428

Delta R.T. -0.00 min

Lab File: BN002790.D

Acq: 20 Sep 2018 17:23

Instrument :

BNA_N

ClientSampleId :

SSTD0.469

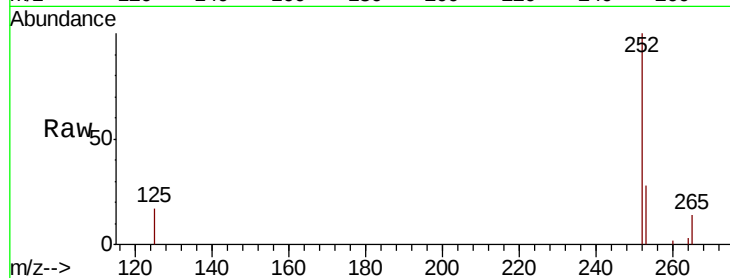
Tgt Ion:252 Resp: 6433

Ion Ratio Lower Upper

252 100

253 28.1 16.0 24.0#

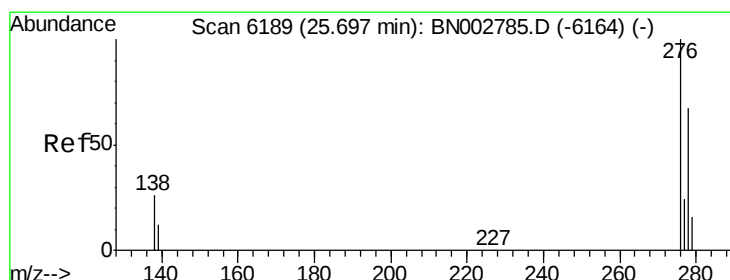
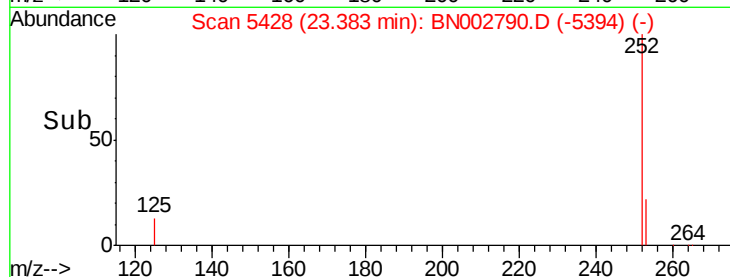
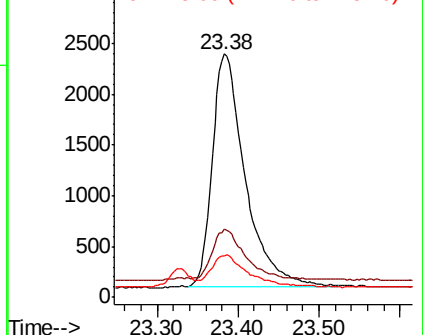
125 17.1 12.0 18.0



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: 0.401 ng/ul

RT: 25.70 min Scan# 6189

Delta R.T. -0.00 min

Lab File: BN002790.D

Acq: 20 Sep 2018 17:23

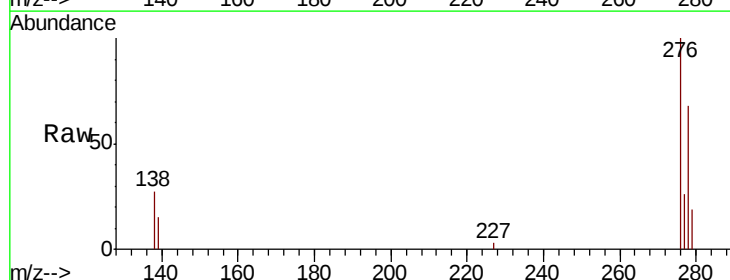
Tgt Ion:276 Resp: 7607

Ion Ratio Lower Upper

276 100

138 27.9 28.0 42.0#

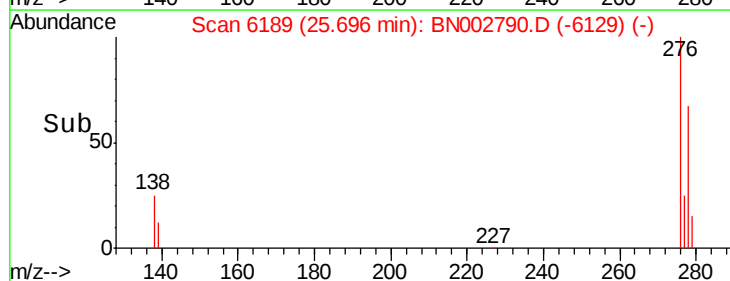
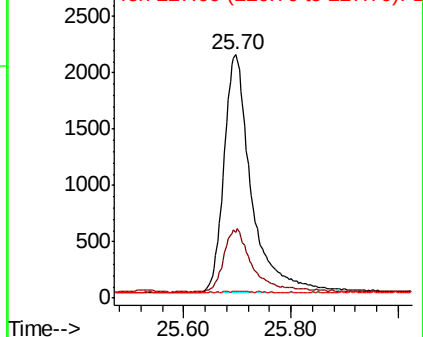
227 0.1 0.8 1.2#

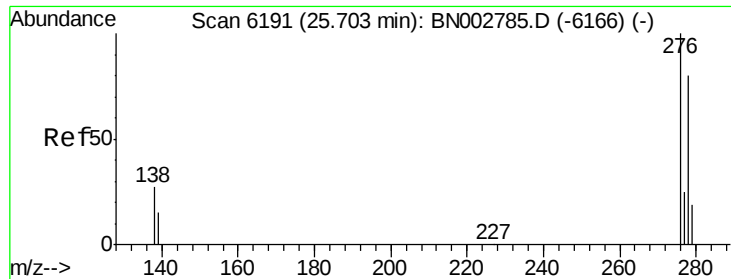


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

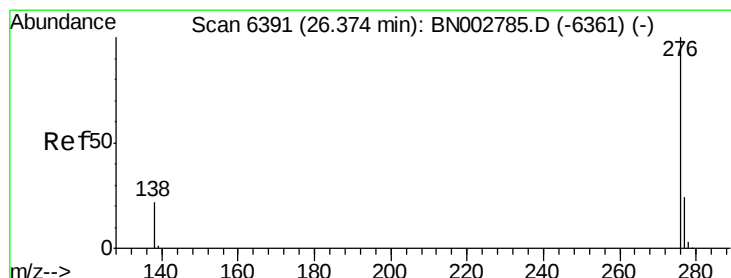
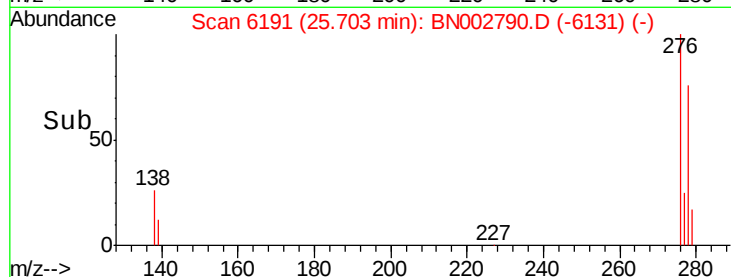
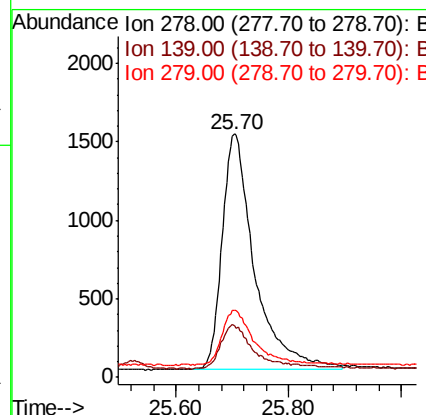
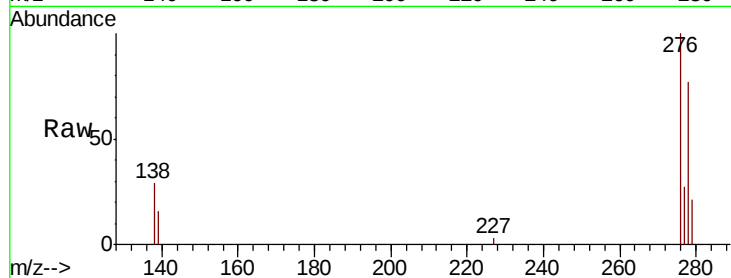




#25
Dibenzo(a,h)anthracene
Concen: 0.396 ng/ul
RT: 25.70 min Scan# 6191
Delta R.T. -0.00 min
Lab File: BN002790.D
Acq: 20 Sep 2018 17:23

Instrument :
BNA_N
ClientSampleId :
SSTD0.469

Tgt Ion:278 Resp: 6024
Ion Ratio Lower Upper
278 100
139 21.1 17.4 26.0
279 27.4 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.401 ng/ul
RT: 26.37 min Scan# 6391
Delta R.T. -0.00 min
Lab File: BN002790.D
Acq: 20 Sep 2018 17:23

Tgt Ion:276 Resp: 6575
Ion Ratio Lower Upper
276 100
138 26.7 21.8 32.8
277 26.3 20.5 30.7

