

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN080620\
 Data File : BN011390.D
 Acq On : 06 Aug 2020 21:37
 Operator : CG/JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.420

Quant Time: Aug 07 02:06:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 07 02:04:45 2020
 Response via : Initial Calibration

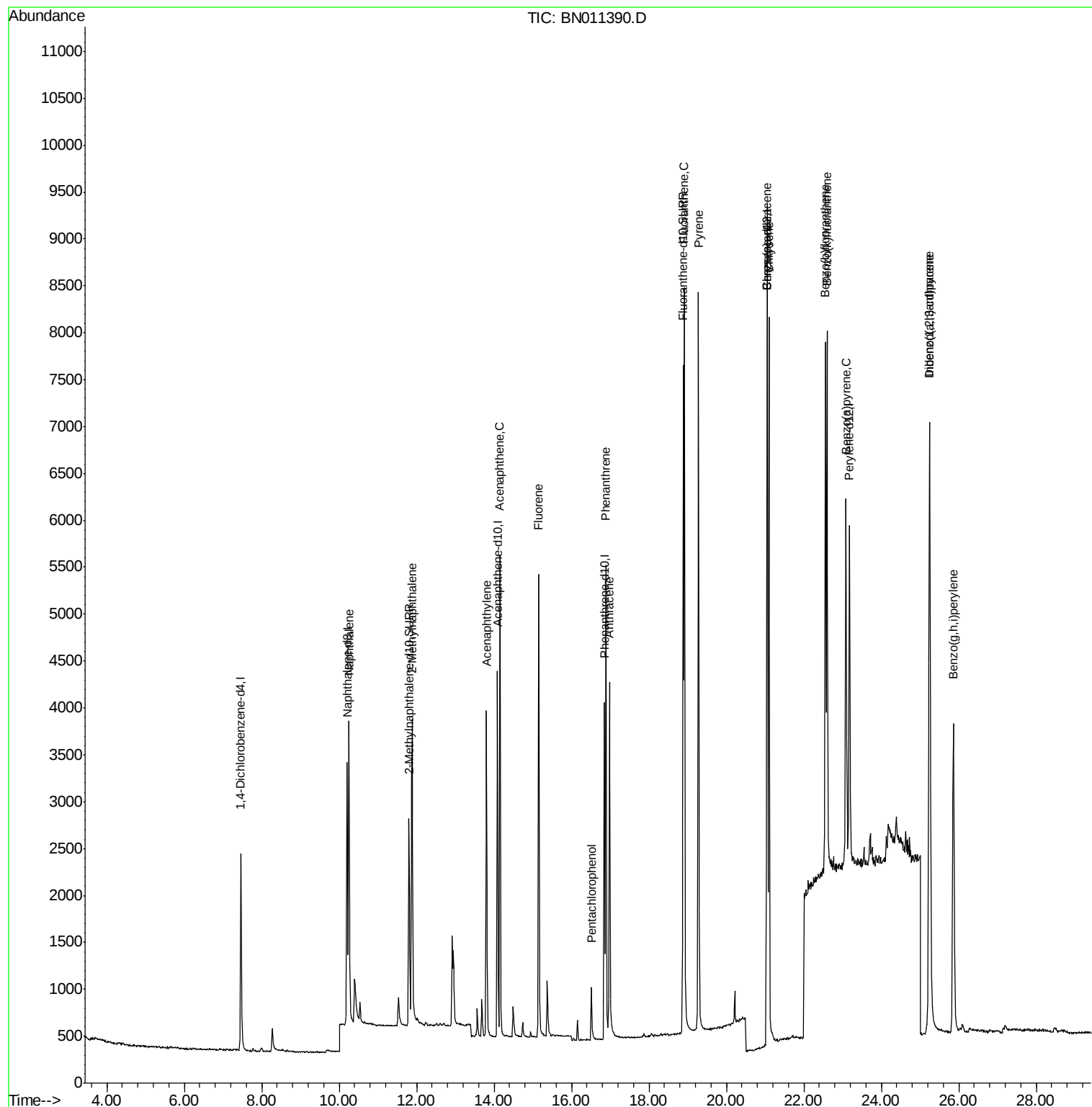
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	1224	0.40	ng/ul	0.00
2) Naphthalene-d8	10.20	136	4269	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.09	164	2180	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.84	188	4658	0.40	ng/ul	0.00
16) Chrysene-d12	21.06	240	4993	0.40	ng/ul	0.00
20) Perylene-d12	23.17	264	4610	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.80	152	3558	0.33	ng/ul	0.00
14) Fluoranthene-d10	18.88	212	8717	0.39	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.25	128	4660	0.367	ng/ul	99
5) 2-Methylnaphthalene	11.88	142	2936	0.345	ng/ul	99
7) Acenaphthylene	13.80	152	4202	0.404	ng/ul	99
8) Acenaphthene	14.15	153	3033	0.367	ng/ul	99
9) Fluorene	15.15	166	3473	0.357	ng/ul	99
11) Pentachlorophenol	16.51	266	457	0.400	ng/ul	98
12) Phenanthrene	16.89	178	5582	0.362	ng/ul	98
13) Anthracene	16.98	178	4891	0.363	ng/ul	98
15) Fluoranthene	18.91	202	7315	0.384	ng/ul	98
17) Pyrene	19.28	202	7285	0.321	ng/ul	98
18) Benzo(a)anthracene	21.04	228	6491	0.338	ng/ul	99
19) Chrysene	21.10	228	7495	0.341	ng/ul	99
21) Benzo(b)fluoranthene	22.55	252	6732	0.350	ng/ul	96
22) Benzo(k)fluoranthene	22.59	252	7481	0.347	ng/ul	97
23) Benzo(a)pyrene	23.09	252	6158	0.368	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.24	276	7976	0.454	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.25	278	6476	0.462	ng/ul	99
26) Benzo(g,h,i)perylene	25.86	276	6977	0.439	ng/ul	99

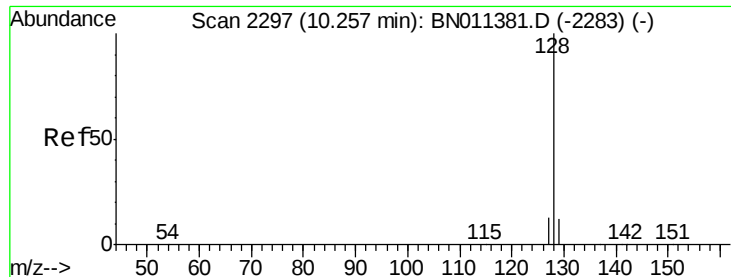
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 07 02:06:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN073020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#3

Naphthalene

Concen: 0.367 ng/ul

RT: 10.25 min Scan# 2296

Delta R.T. -0.01 min

Lab File: BN011390.D

Acq: 06 Aug 2020 21:37

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

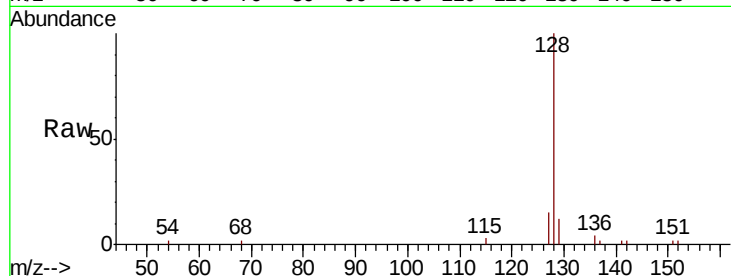
Tot Ion:128 Resp: 4660

Ion Ratio Lower Upper

128 100

129 12.3 9.6 14.4

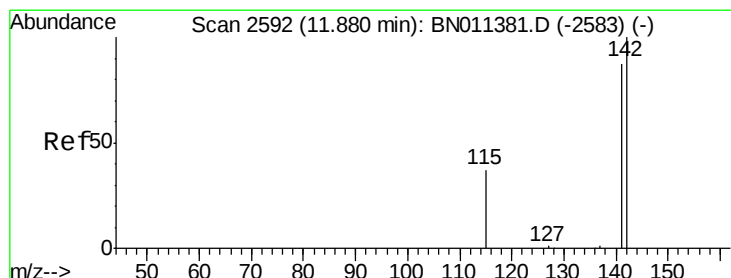
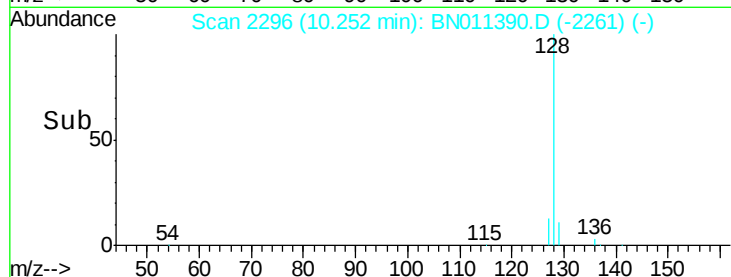
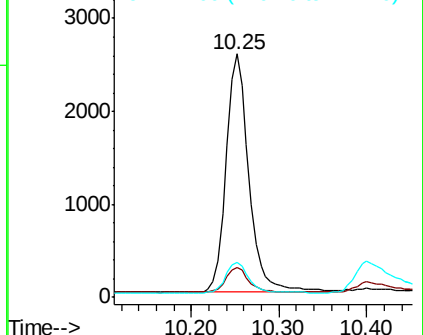
127 14.6 11.2 16.8



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: 0.345 ng/ul

RT: 11.88 min Scan# 2592

Delta R.T. -0.01 min

Lab File: BN011390.D

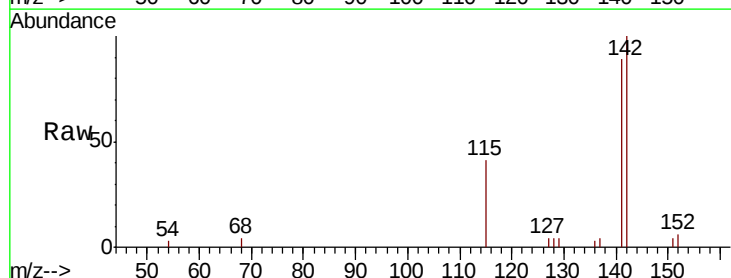
Acq: 06 Aug 2020 21:37

Tgt Ion:142 Resp: 2936

Ion Ratio Lower Upper

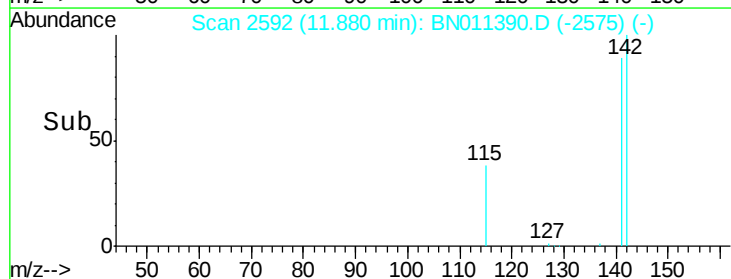
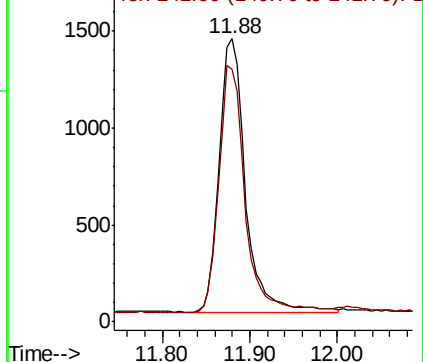
142 100

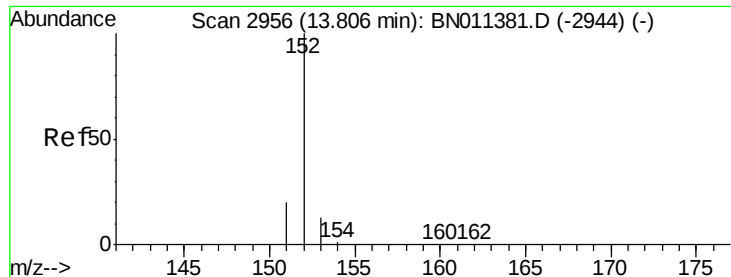
141 90.3 72.8 109.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.404 ng/ul

RT: 13.80 min Scan# 2955

Delta R.T. -0.00 min

Lab File: BN011390.D

Acq: 06 Aug 2020 21:37

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

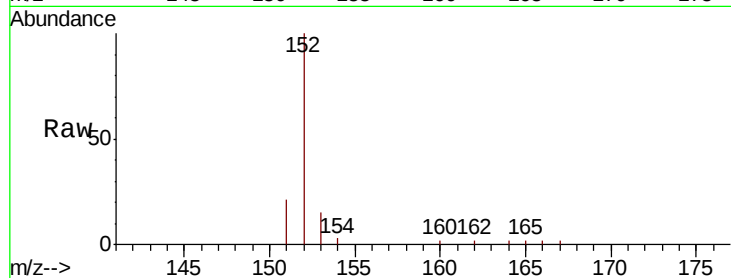
Tot Ion:152 Resp: 4202

Ion Ratio Lower Upper

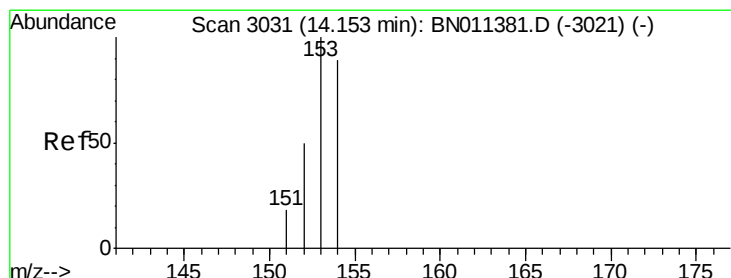
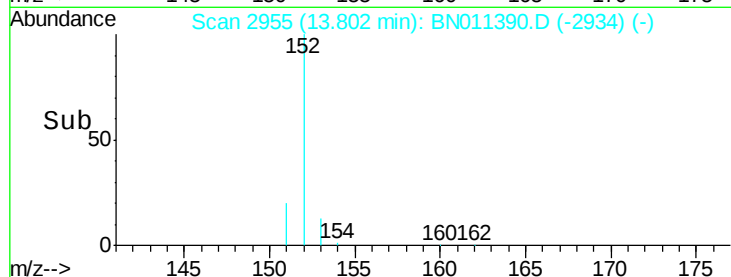
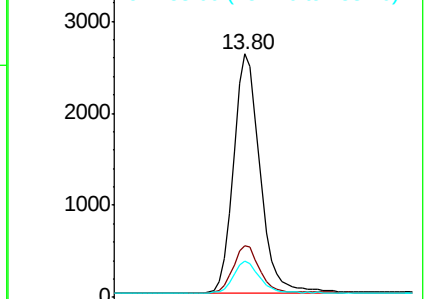
152 100

151 21.4 17.1 25.7

153 14.8 11.4 17.0



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: 0.367 ng/ul

RT: 14.15 min Scan# 3030

Delta R.T. -0.00 min

Lab File: BN011390.D

Acq: 06 Aug 2020 21:37

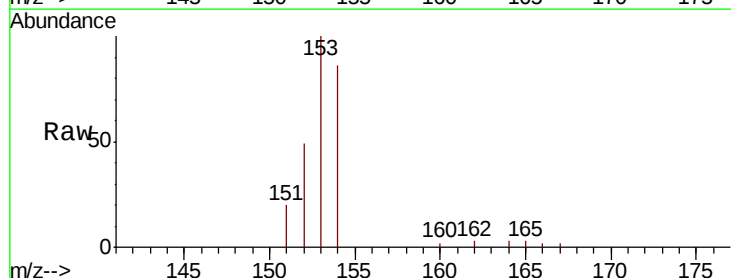
Tgt Ion:153 Resp: 3033

Ion Ratio Lower Upper

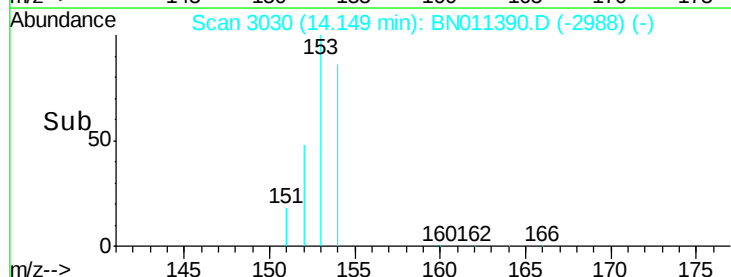
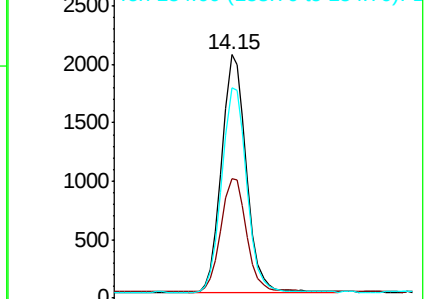
153 100

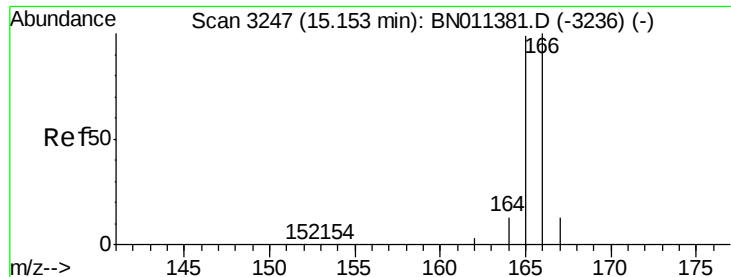
152 49.1 40.5 60.7

154 86.2 69.5 104.3



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: 0.357 ng/ul

RT: 15.15 min Scan# 3246

Delta R.T. -0.00 min

Lab File: BN011390.D

Acq: 06 Aug 2020 21:37

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

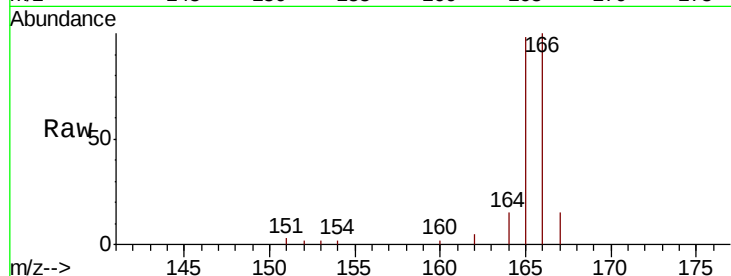
Tot Ion:166 Resp: 3473

Ion Ratio Lower Upper

166 100

165 97.6 78.8 118.2

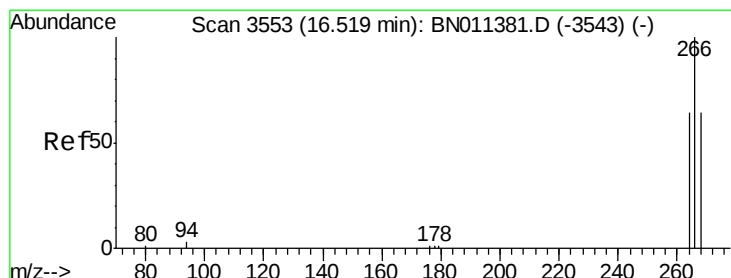
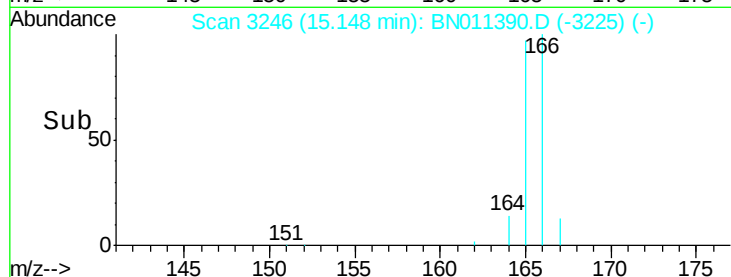
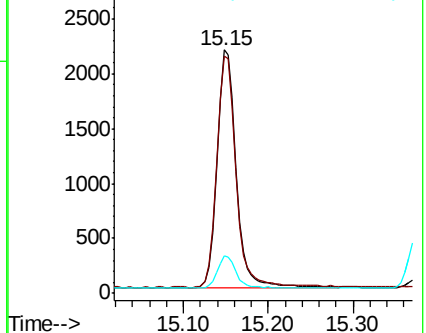
167 15.4 12.1 18.1



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: 0.400 ng/ul

RT: 16.51 min Scan# 3551

Delta R.T. -0.01 min

Lab File: BN011390.D

Acq: 06 Aug 2020 21:37

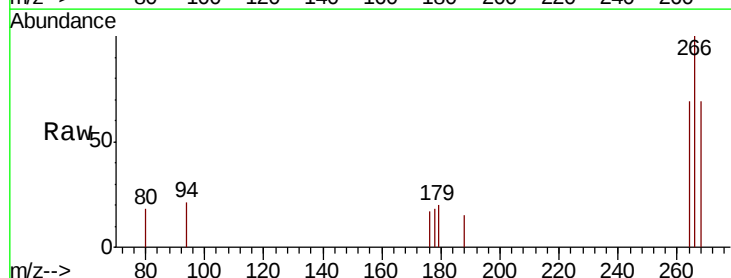
Tgt Ion:266 Resp: 457

Ion Ratio Lower Upper

266 100

264 61.9 50.7 76.1

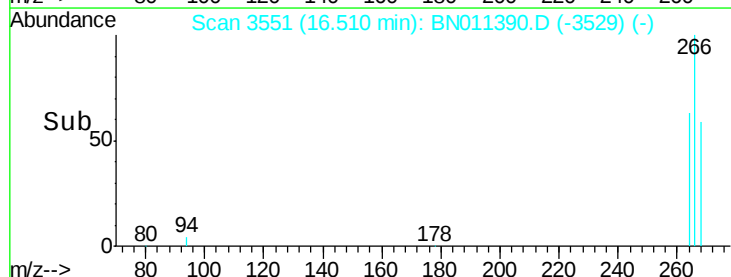
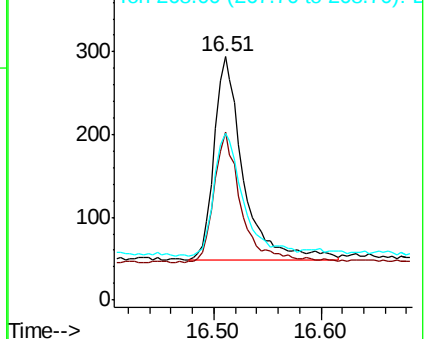
268 62.4 51.3 76.9

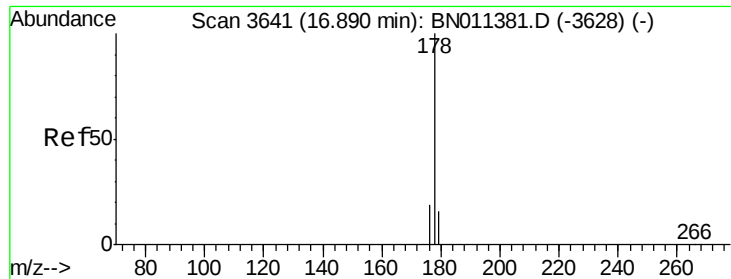


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.362 ng/ul

RT: 16.89 min Scan# 3640

Delta R.T. -0.00 min

Lab File: BN011390.D

Acq: 06 Aug 2020 21:37

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

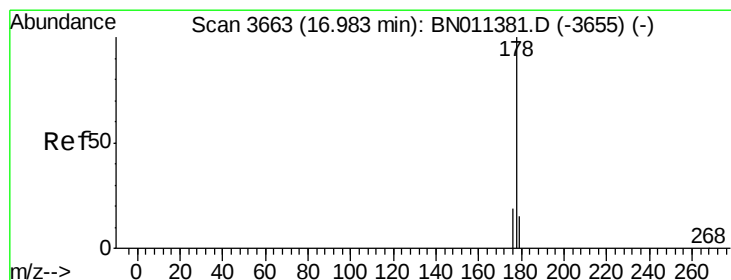
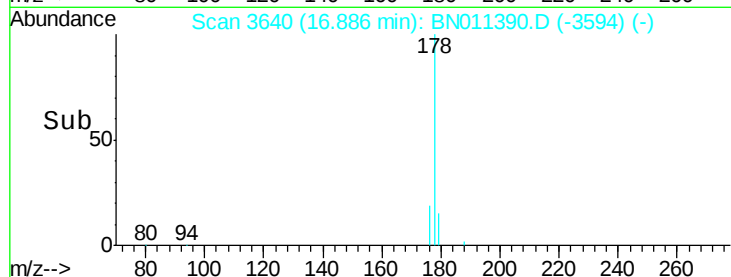
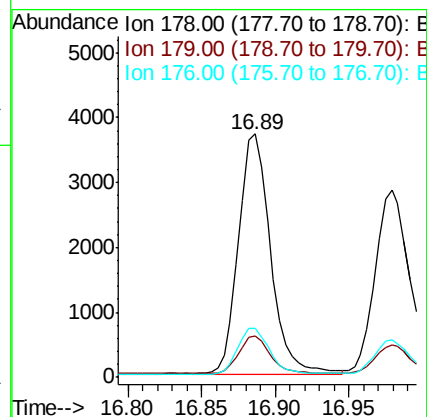
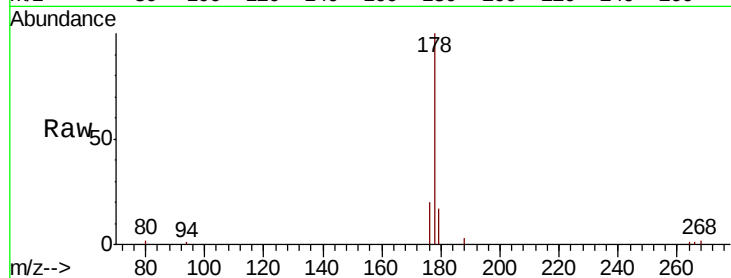
Tot Ion:178 Resp: 5582

Ion Ratio Lower Upper

178 100

179 16.8 12.6 18.8

176 20.2 15.7 23.5



#13

Anthracene

Concen: 0.363 ng/ul

RT: 16.98 min Scan# 3662

Delta R.T. -0.00 min

Lab File: BN011390.D

Acq: 06 Aug 2020 21:37

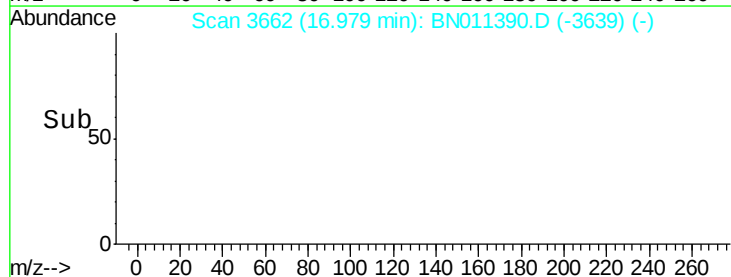
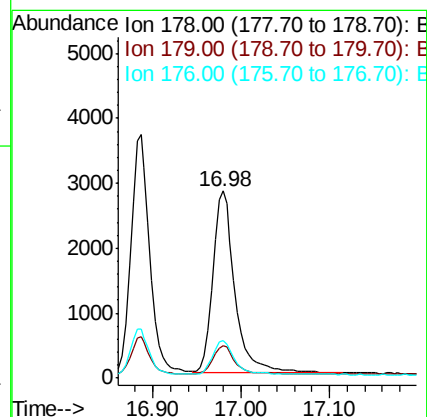
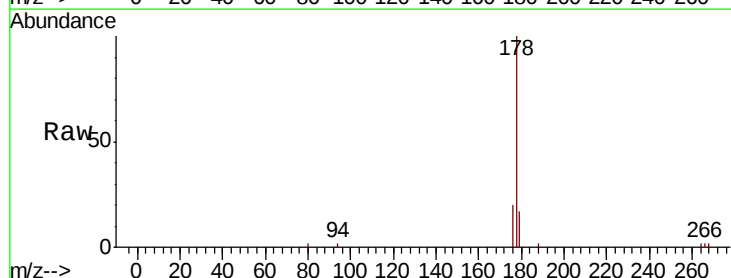
Tgt Ion:178 Resp: 4891

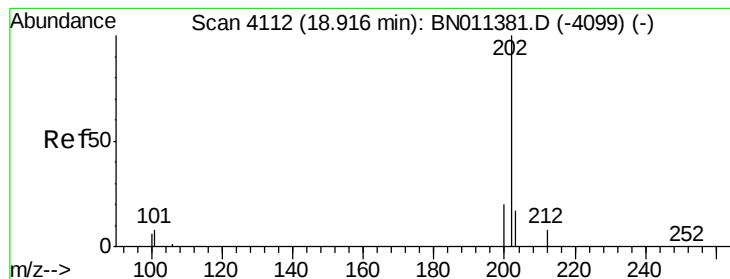
Ion Ratio Lower Upper

178 100

179 17.0 13.1 19.7

176 19.9 14.8 22.2





#15

Fluoranthene

Concen: 0.384 ng/ul

RT: 18.91 min Scan# 4111

Delta R.T. -0.00 min

Lab File: BN011390.D

Acq: 06 Aug 2020 21:37

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

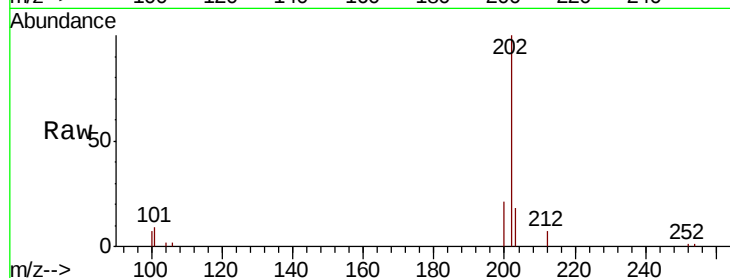
Tot Ion:202 Resp: 7315

Ion Ratio Lower Upper

202 100

101 9.2 0.0 28.2

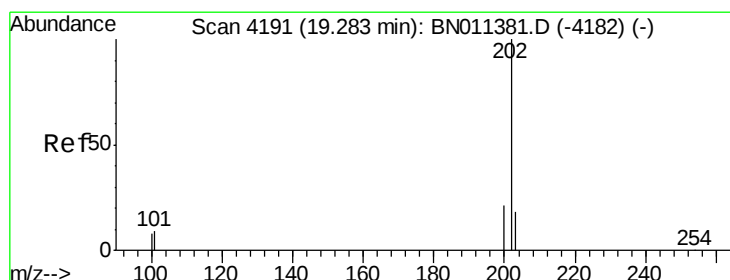
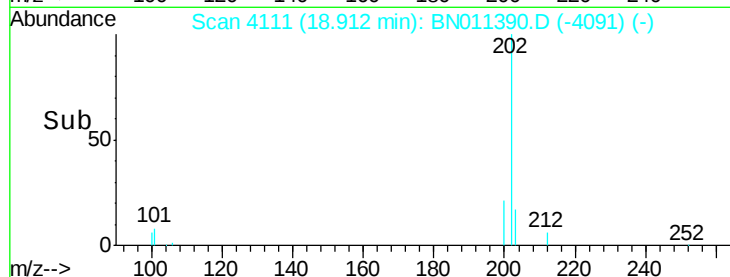
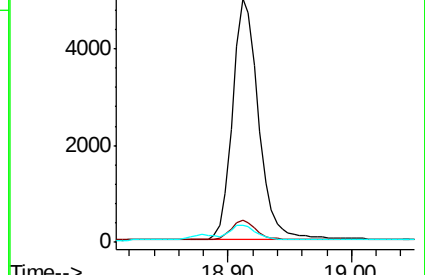
100 7.1 0.0 26.8



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: 0.321 ng/ul

RT: 19.28 min Scan# 4190

Delta R.T. -0.00 min

Lab File: BN011390.D

Acq: 06 Aug 2020 21:37

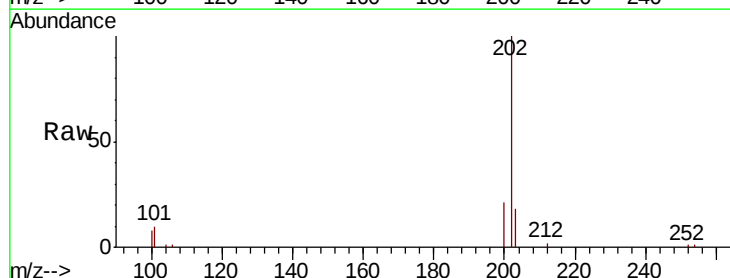
Tgt Ion:202 Resp: 7285

Ion Ratio Lower Upper

202 100

101 9.9 8.5 12.7

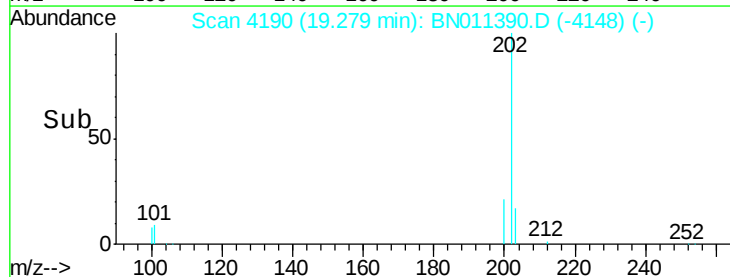
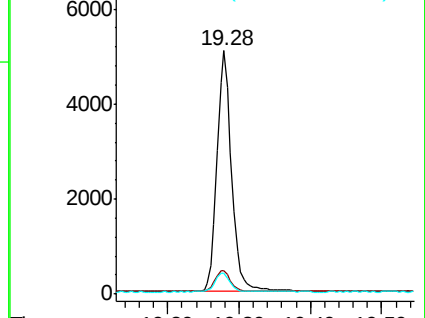
100 8.4 7.1 10.7

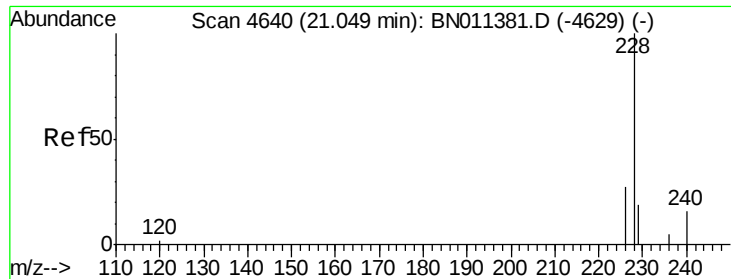


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.338 ng/ul

RT: 21.04 min Scan# 4638

Delta R.T. -0.01 min

Lab File: BN011390.D

Acq: 06 Aug 2020 21:37

Instrument :

BNA_N

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SSTD0.420

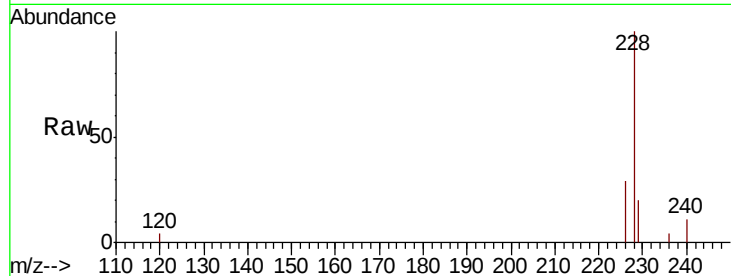
Tot Ion:228 Resp: 6491

Ion Ratio Lower Upper

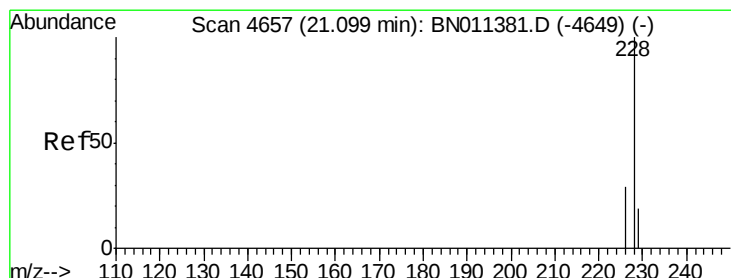
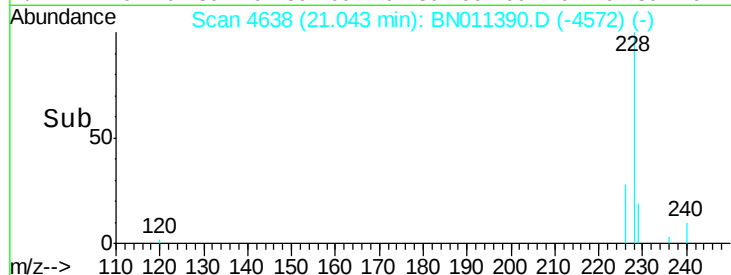
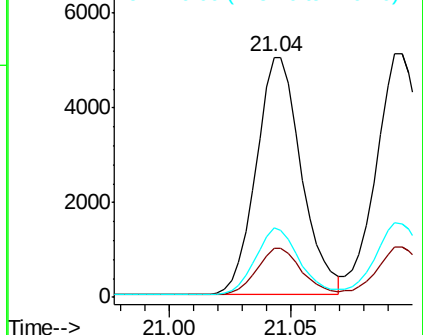
228 100

229 20.3 16.1 24.1

226 28.8 22.2 33.2



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: 0.341 ng/ul

RT: 21.10 min Scan# 4656

Delta R.T. -0.00 min

Lab File: BN011390.D

Acq: 06 Aug 2020 21:37

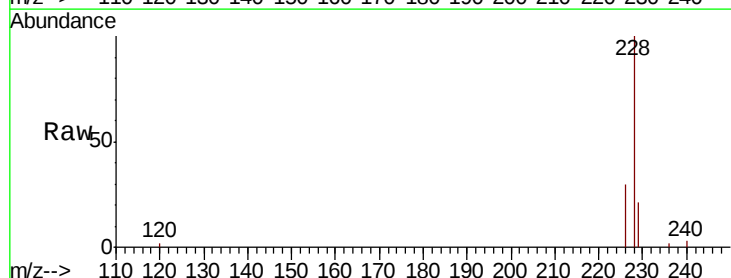
Tgt Ion:228 Resp: 7495

Ion Ratio Lower Upper

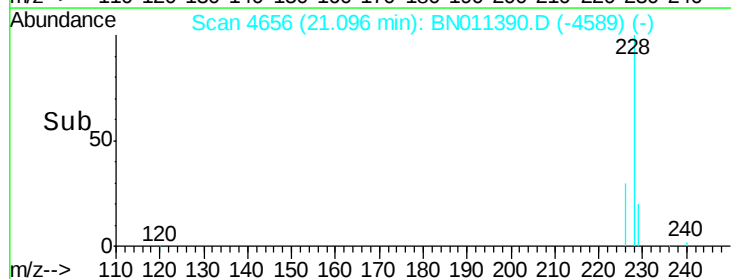
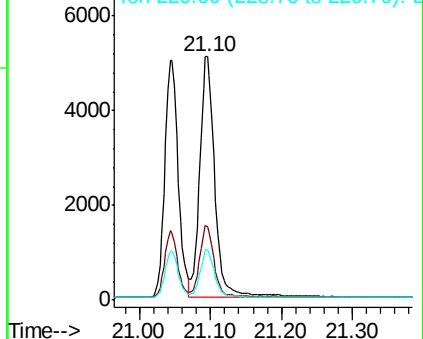
228 100

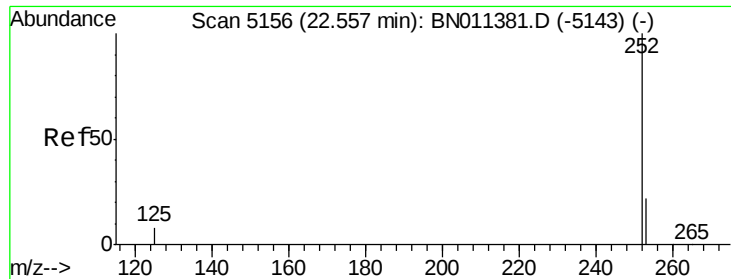
226 30.2 24.5 36.7

229 20.8 15.8 23.6



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: 0.350 ng/ul

RT: 22.55 min Scan# 5155

Delta R.T. -0.00 min

Lab File: BN011390.D

Acq: 06 Aug 2020 21:37

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

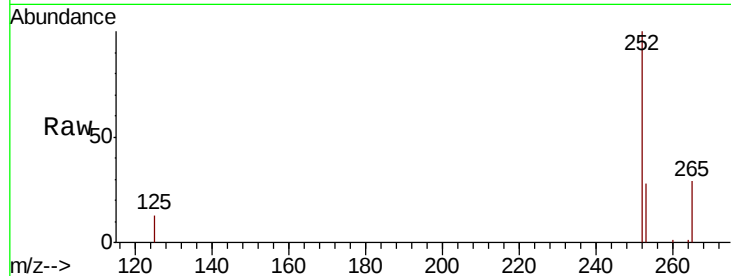
Tot Ion:252 Resp: 6732

Ion Ratio Lower Upper

252 100

253 28.5 0.0 51.8

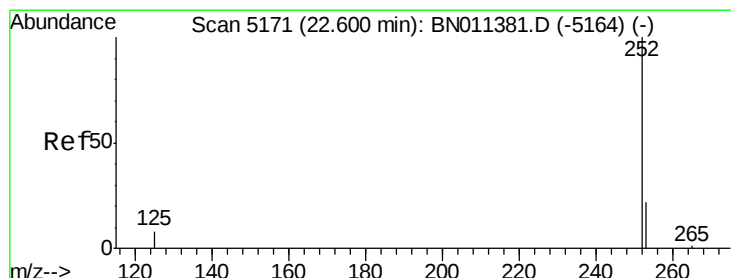
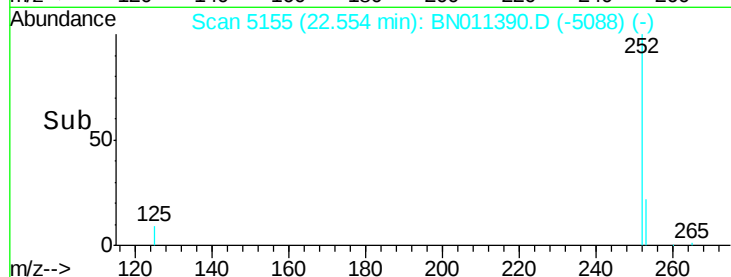
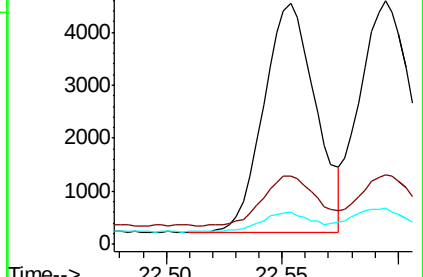
125 13.4 0.0 24.2



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



#22

Benzo(k)fluoranthene

Concen: 0.347 ng/ul

RT: 22.59 min Scan# 5169

Delta R.T. -0.01 min

Lab File: BN011390.D

Acq: 06 Aug 2020 21:37

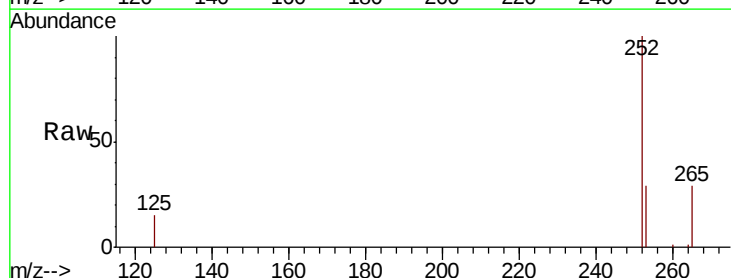
Tgt Ion:252 Resp: 7481

Ion Ratio Lower Upper

252 100

253 28.5 21.4 32.0

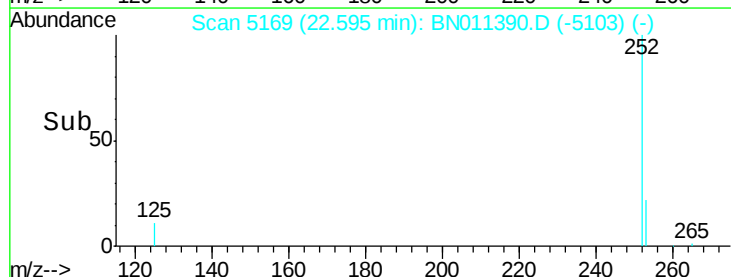
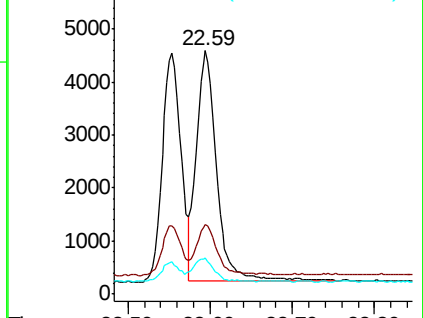
125 14.8 12.6 18.8

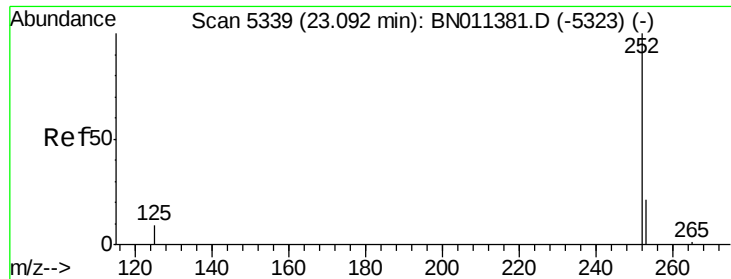


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.368 ng/ul

RT: 23.09 min Scan# 5337

Delta R.T. -0.01 min

Lab File: BN011390.D

Acq: 06 Aug 2020 21:37

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

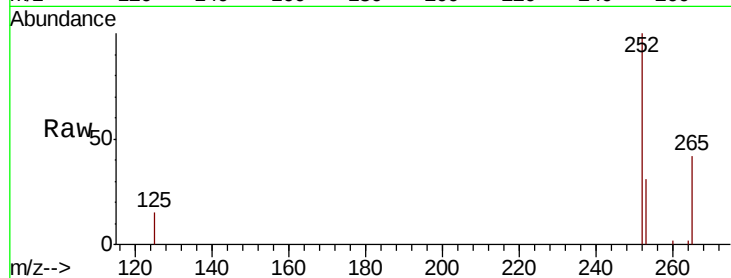
Tot Ion:252 Resp: 6158

Ion Ratio Lower Upper

252 100

253 31.1 22.6 34.0

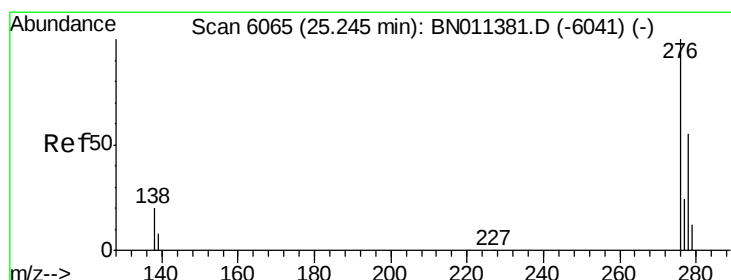
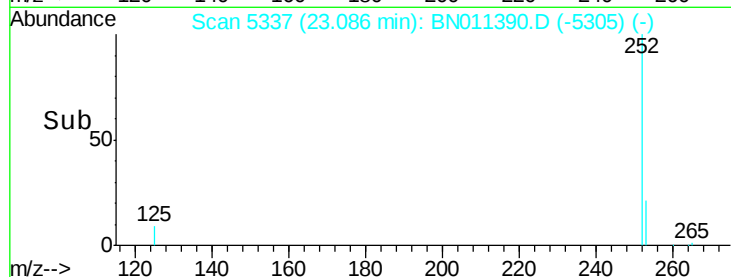
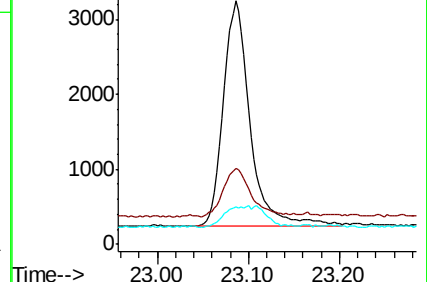
125 15.3 12.6 18.8



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: 0.454 ng/ul

RT: 25.24 min Scan# 6063

Delta R.T. -0.01 min

Lab File: BN011390.D

Acq: 06 Aug 2020 21:37

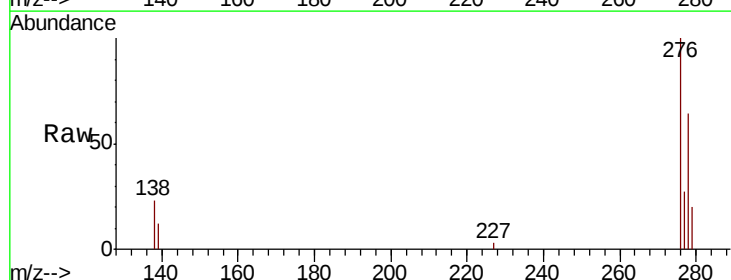
Tgt Ion:276 Resp: 7976

Ion Ratio Lower Upper

276 100

138 20.2 18.1 27.1

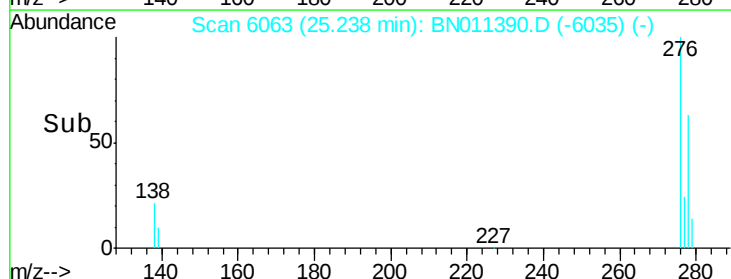
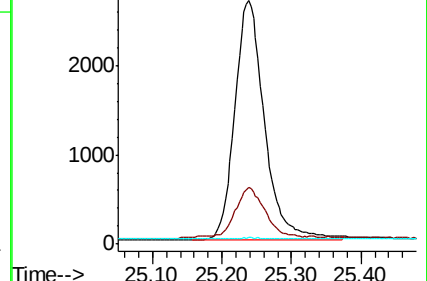
227 0.1 0.2 0.4#

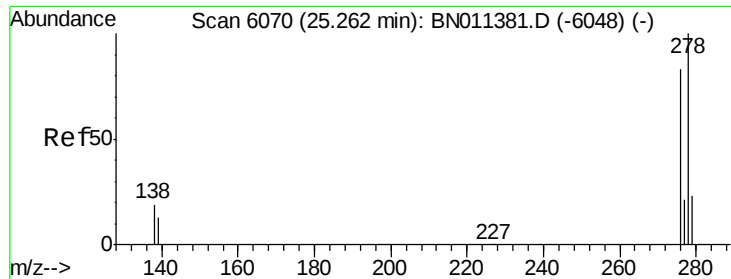


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.462 ng/ul

RT: 25.25 min Scan# 6067

Delta R.T. -0.01 min

Lab File: BN011390.D

Acq: 06 Aug 2020 21:37

Instrument :

BNA_N

ClientSampleId :

SSTD0.420

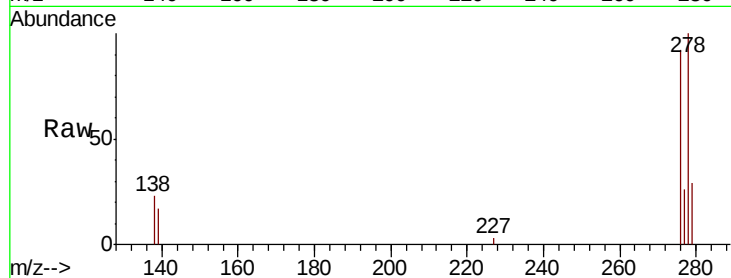
Tot Ion:278 Resp: 6476

Ion Ratio Lower Upper

278 100

139 17.4 14.0 21.0

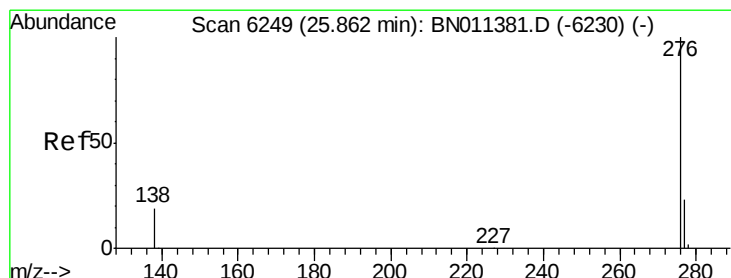
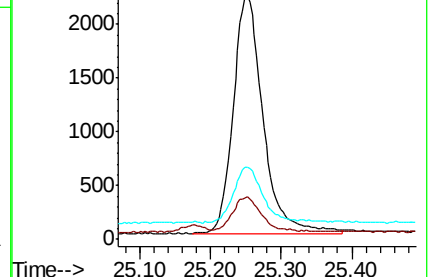
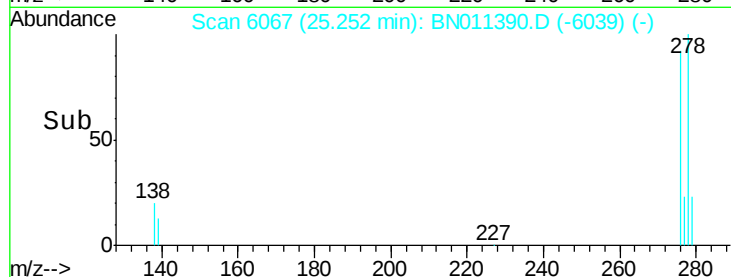
279 29.4 22.9 34.3



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: 0.439 ng/ul

RT: 25.86 min Scan# 6248

Delta R.T. -0.01 min

Lab File: BN011390.D

Acq: 06 Aug 2020 21:37

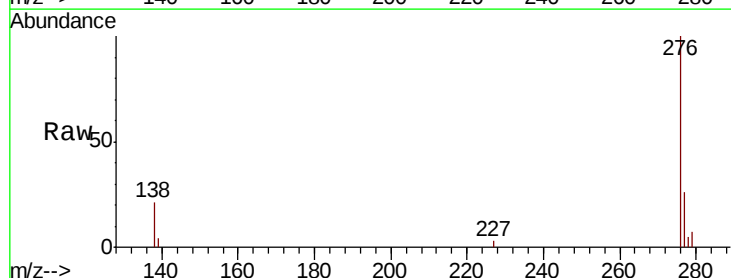
Tgt Ion:276 Resp: 6977

Ion Ratio Lower Upper

276 100

138 20.5 16.4 24.6

277 26.3 20.2 30.4



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

