

Data File : BN005493.D
Acq On : 06 May 2019 19:54
Operator : JU/SJ
Sample : SSTD1.662
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD1.662

Quant Time: May 07 02:51:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 07 02:47:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	1905	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	7328	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.23	164	4454	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	11132	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	11814	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	13006	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	19888	1.71	ng/ul	-0.02
14) Fluoranthene-d10	19.03	212	57734	1.81	ng/ul	0.00

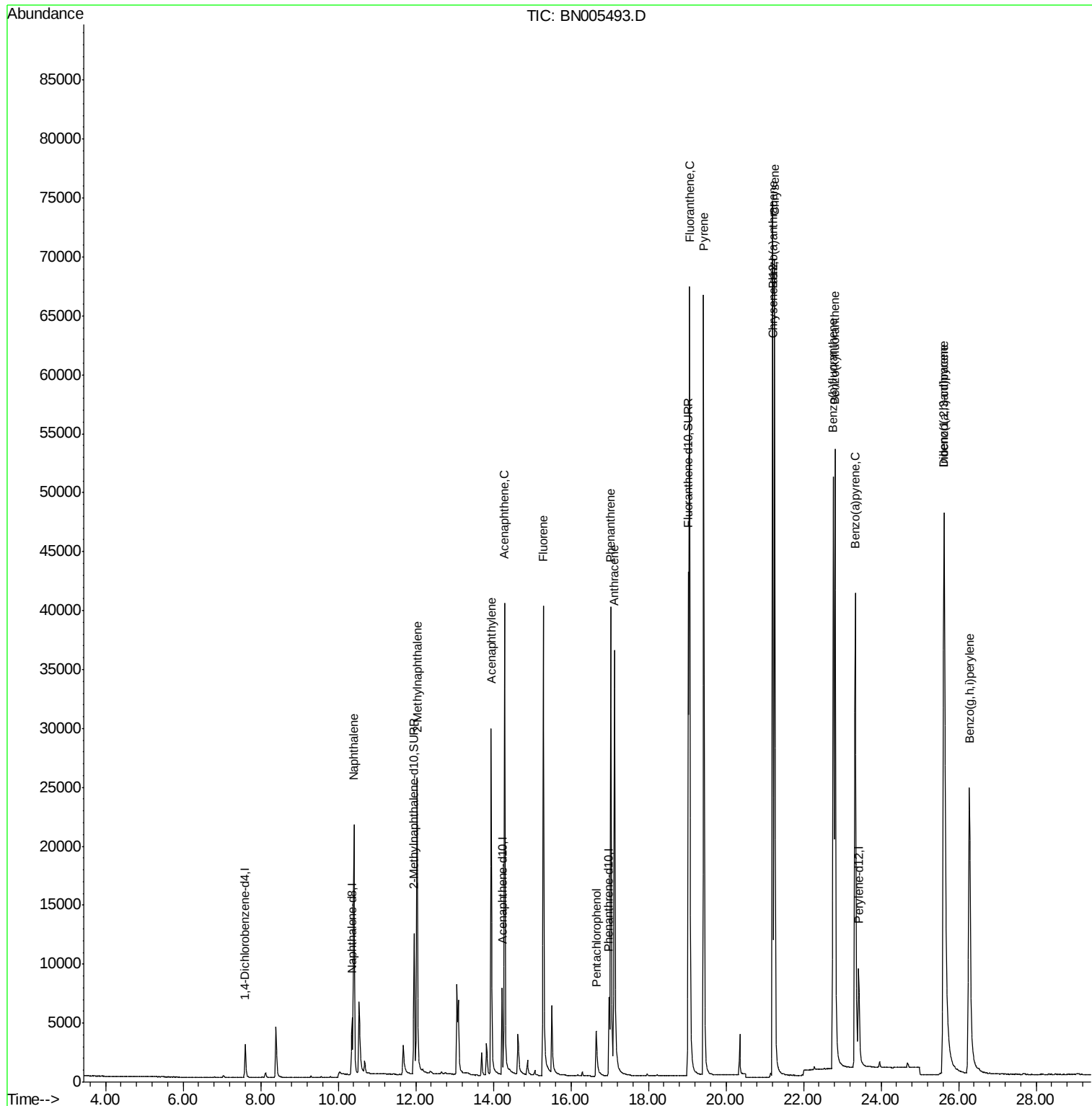
Target Compounds					Qvalue
3) Naphthalene	10.41	128	31459	1.576	ng/ul 96
5) 2-Methylnaphthalene	12.03	142	23190	1.645	ng/ul 99
7) Acenaphthylene	13.95	152	37478	1.675	ng/ul 97
8) Acenaphthene	14.29	153	26202	1.589	ng/ul 98
9) Fluorene	15.29	166	31671	1.661	ng/ul 99
11) Pentachlorophenol	16.65	266	5070	1.878	ng/ul 91
12) Phenanthrene	17.03	178	52316	1.550	ng/ul 99
13) Anthracene	17.12	178	52507	1.681	ng/ul 97
15) Fluoranthene	19.06	202	69305	1.749	ng/ul 97
17) Pyrene	19.42	202	70908	1.438	ng/ul 99
18) Benzo(a)anthracene	21.20	228	70703	1.600	ng/ul 99
19) Chrysene	21.26	228	75819	1.612	ng/ul 99
21) Benzo(b)fluoranthene	22.77	252	70272	1.470	ng/ul 96
22) Benzo(k)fluoranthene	22.81	252	78910	1.600	ng/ul 96
23) Benzo(a)pyrene	23.33	252	72079	1.632	ng/ul# 95
24) Indeno(1,2,3-cd)pyrene	25.62	276	81170	1.657	ng/ul# 99
25) Dibenzo(a,h)anthracene	25.63	278	66771	1.662	ng/ul 95
26) Benzo(g,h,i)perylene	26.28	276	67277	1.616	ng/ul 96

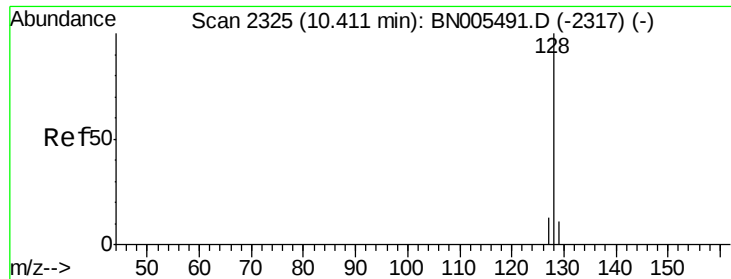
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.576 ng/ul

RT: 10.41 min Scan# 2324

Delta R.T. -0.01 min

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BNA_N

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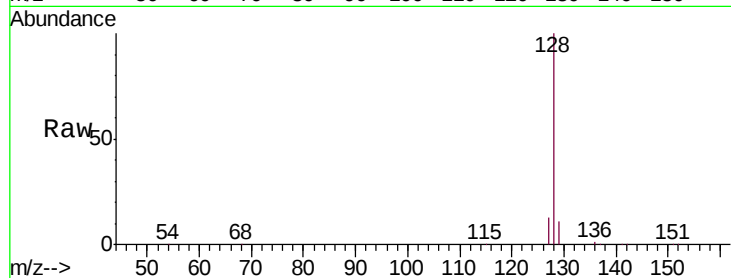
Tgt Ion:128 Resp: 31459

Ion Ratio Lower Upper

128 100

129 11.4 10.2 15.2

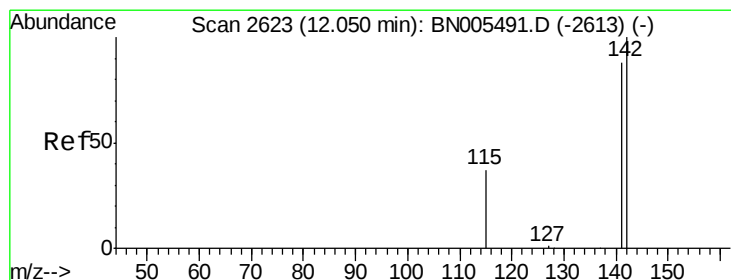
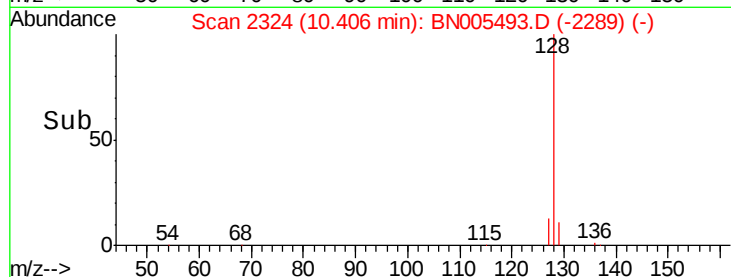
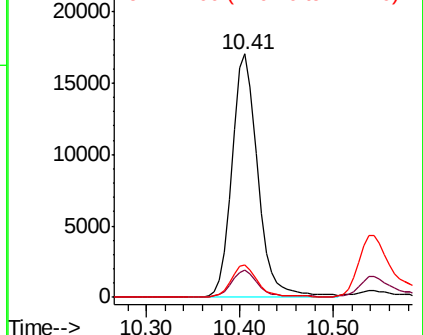
127 13.2 11.8 17.8



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: 1.645 ng/ul

RT: 12.03 min Scan# 2620

Delta R.T. -0.02 min

Lab File: BN005493.D

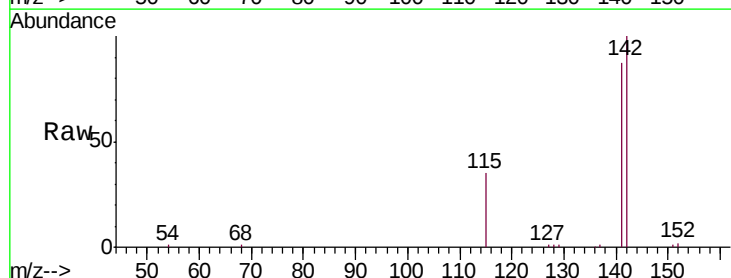
Acq: 06 May 2019 19:54

Tgt Ion:142 Resp: 23190

Ion Ratio Lower Upper

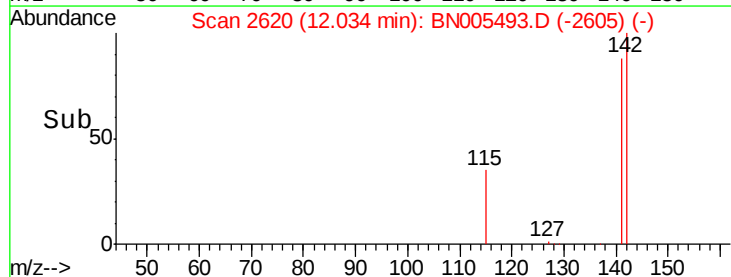
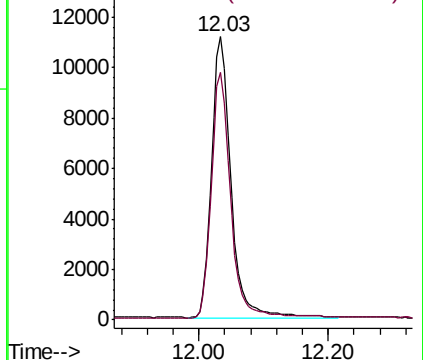
142 100

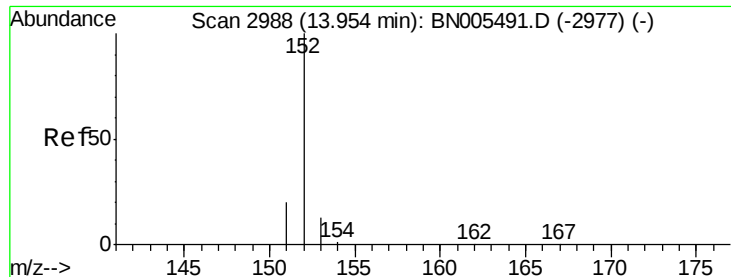
141 88.9 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 1.675 ng/ul

RT: 13.95 min Scan# 2986

Delta R.T. -0.01 min

Lab File: BN005493.D

Acq: 06 May 2019 19:54

Instrument :

BNA_N

ClientSampleId :

SSTD1.662

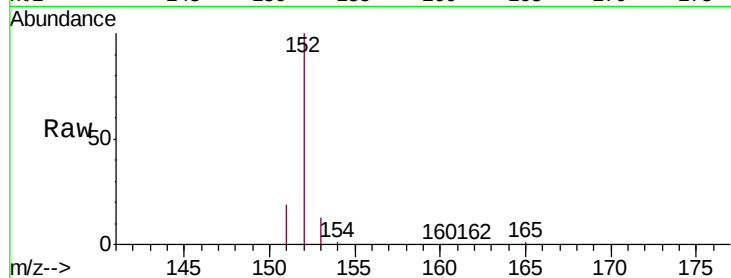
Tgt Ion:152 Resp: 37478

Ion Ratio Lower Upper

152 100

151 19.4 16.7 25.1

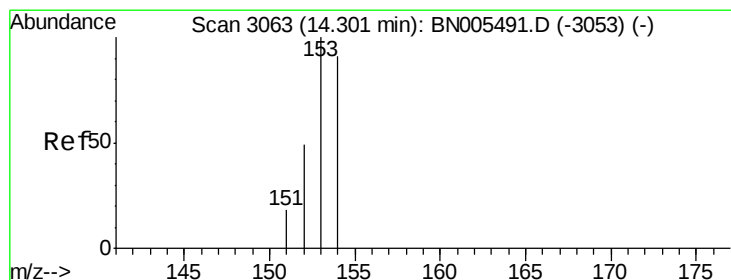
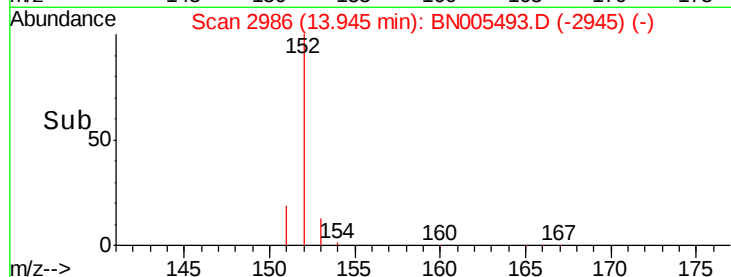
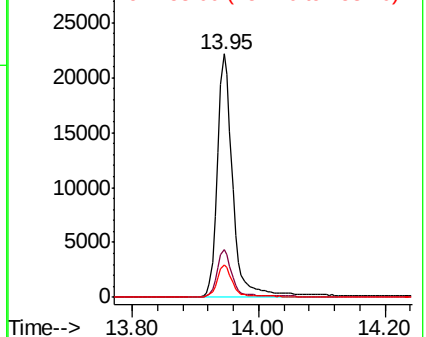
153 13.1 11.6 17.4



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: 1.589 ng/ul

RT: 14.29 min Scan# 3061

Delta R.T. -0.01 min

Lab File: BN005493.D

Acq: 06 May 2019 19:54

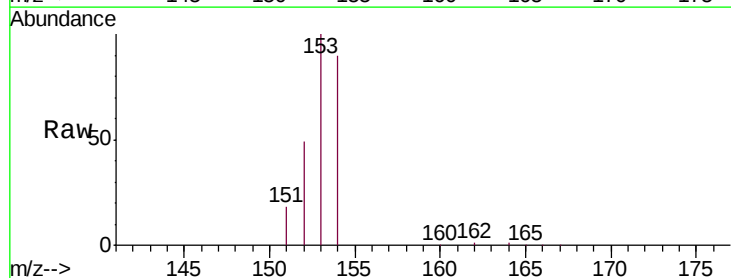
Tgt Ion:153 Resp: 26202

Ion Ratio Lower Upper

153 100

152 48.8 40.8 61.2

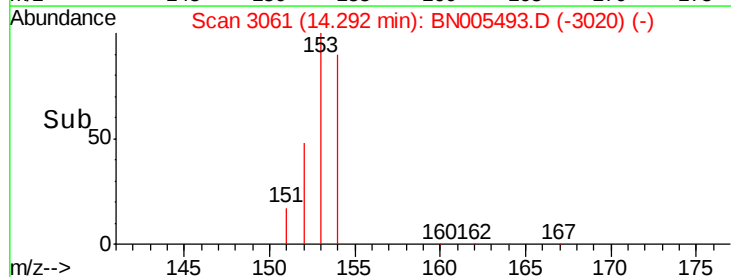
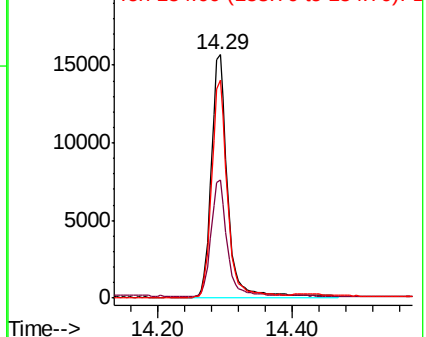
154 89.6 73.2 109.8

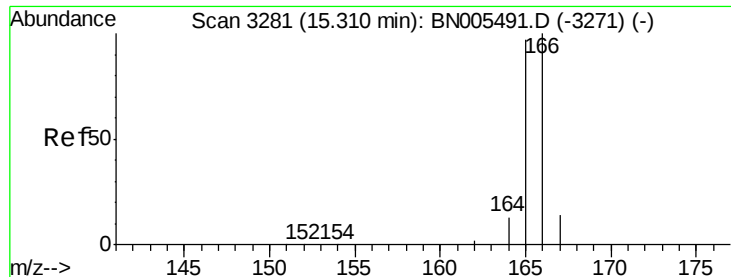


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 1.661 ng/ul

RT: 15.29 min Scan# 3276

Delta R.T. -0.02 min

Lab File: BN005493.D

Acq: 06 May 2019 19:54

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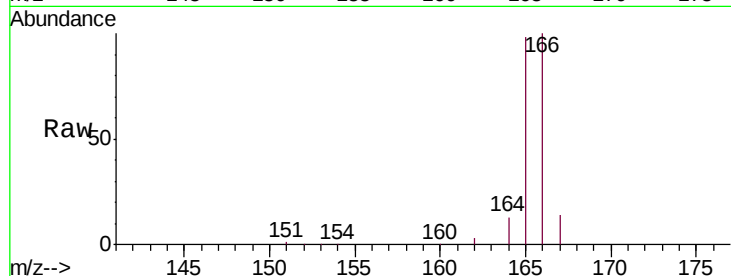
Tgt Ion:166 Resp: 31671

Ion Ratio Lower Upper

166 100

165 97.7 78.0 117.0

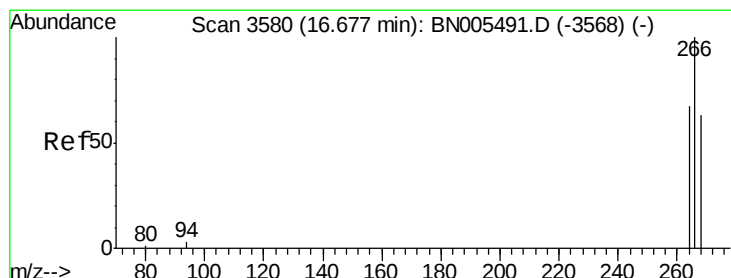
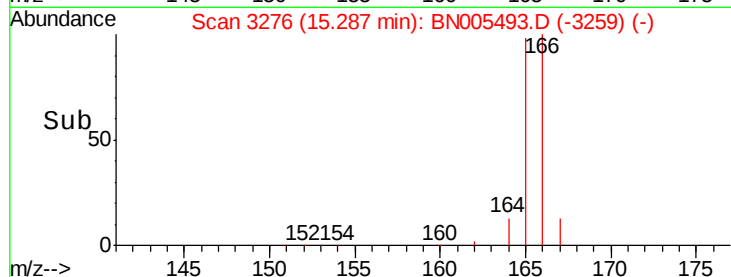
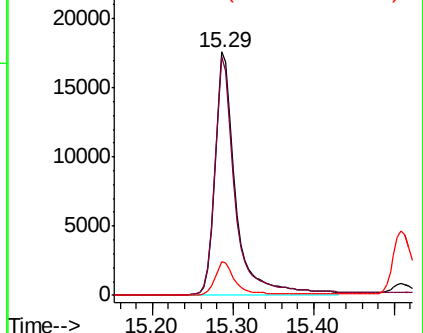
167 13.7 12.2 18.4



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: 1.878 ng/ul

RT: 16.65 min Scan# 3574

Delta R.T. -0.03 min

Lab File: BN005493.D

Acq: 06 May 2019 19:54

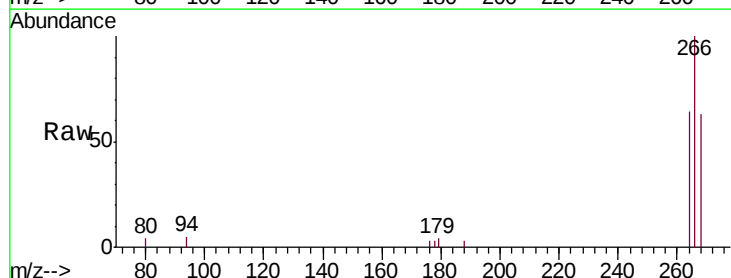
Tgt Ion:266 Resp: 5070

Ion Ratio Lower Upper

266 100

264 62.4 55.3 82.9

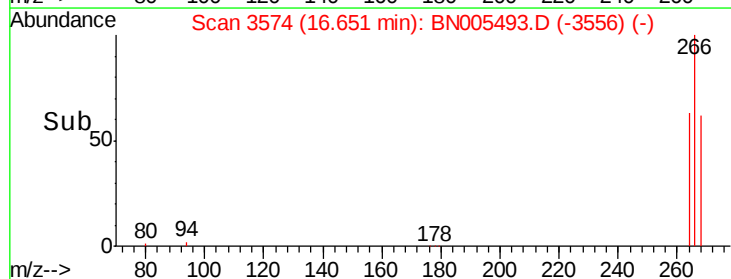
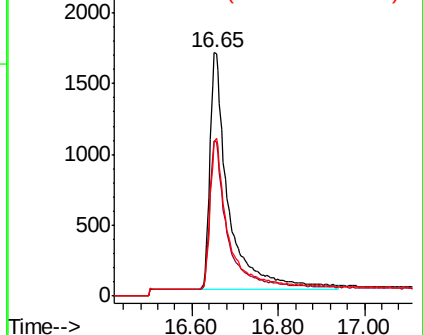
268 63.6 56.7 85.1

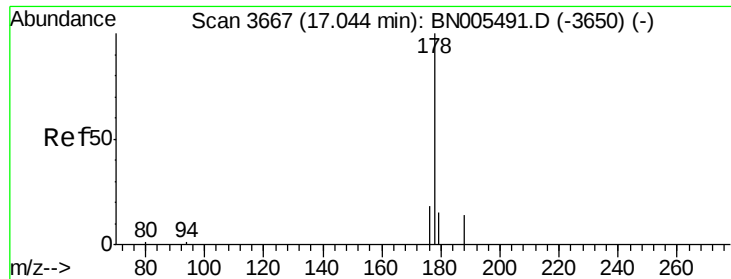


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 1.550 ng/ul

RT: 17.03 min Scan# 3663

Delta R.T. -0.02 min

Lab File: BN005493.D

Acq: 06 May 2019 19:54

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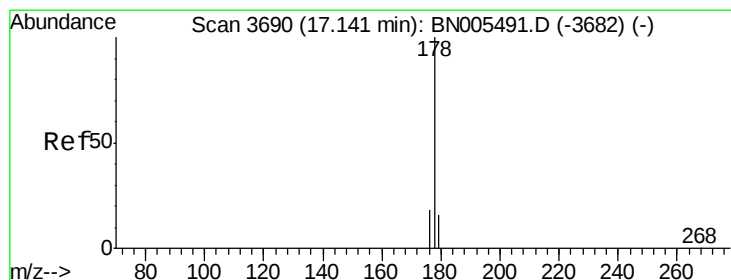
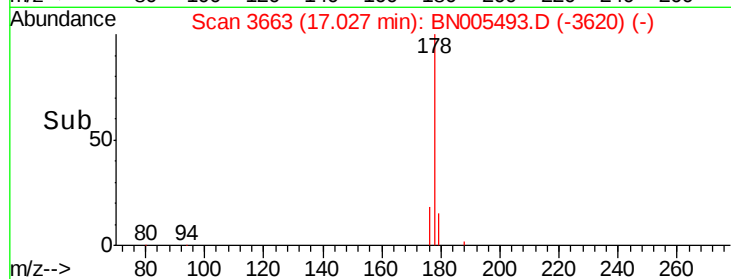
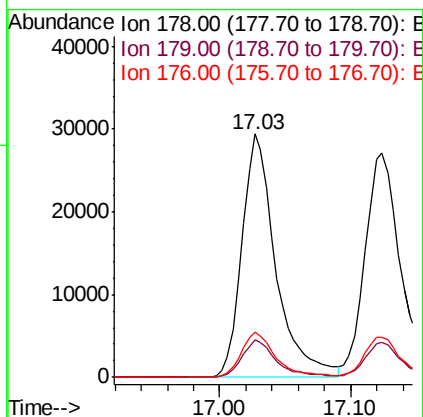
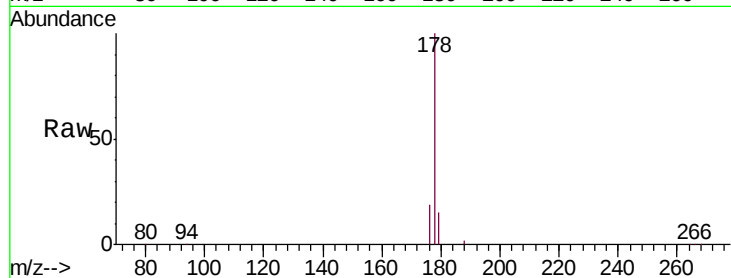
Tgt Ion:178 Resp: 52316

Ion Ratio Lower Upper

178 100

179 15.5 12.8 19.2

176 18.5 15.3 22.9



#13

Anthracene

Concen: 1.681 ng/ul

RT: 17.12 min Scan# 3686

Delta R.T. -0.02 min

Lab File: BN005493.D

Acq: 06 May 2019 19:54

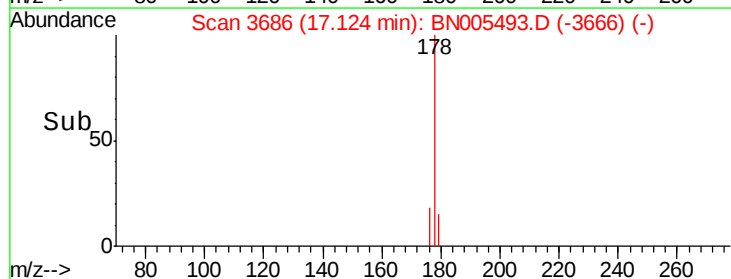
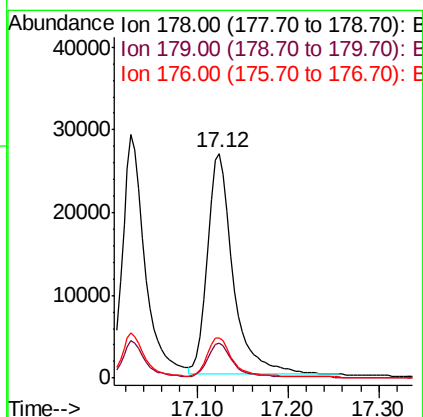
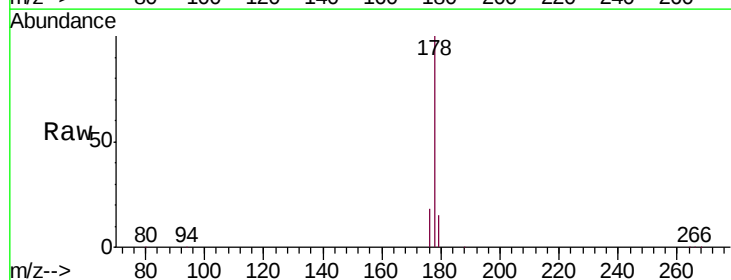
Tgt Ion:178 Resp: 52507

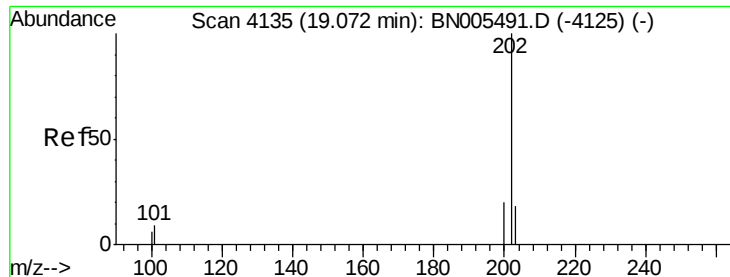
Ion Ratio Lower Upper

178 100

179 15.4 13.4 20.2

176 18.0 15.1 22.7





#15

Fluoranthene

Concen: 1.749 ng/ul

RT: 19.06 min Scan# 4133

Delta R.T. -0.01 min

Lab File: BN005493.D

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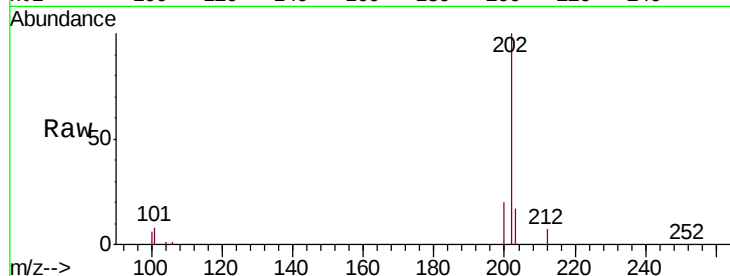
Tgt Ion:202 Resp: 69305

Ion Ratio Lower Upper

202 100

101 8.3 0.0 29.4

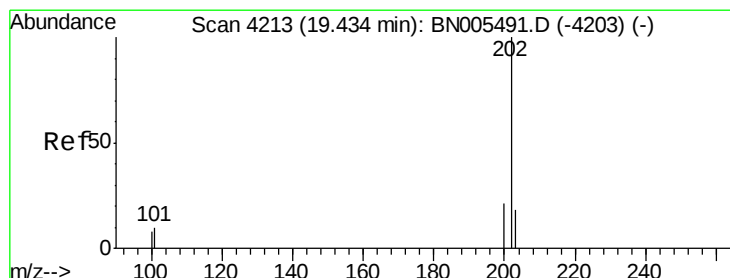
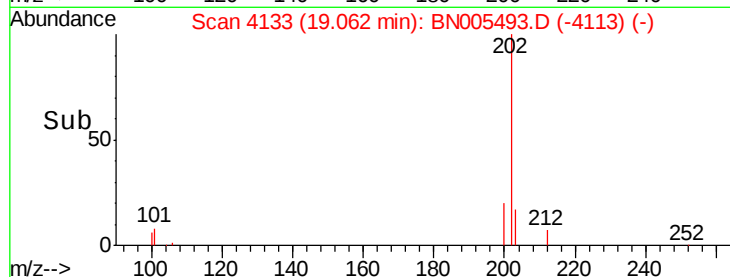
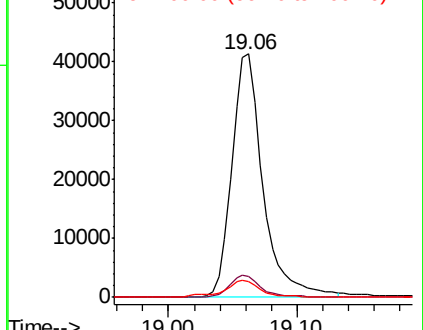
100 6.2 0.0 27.1



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: 1.438 ng/ul

RT: 19.42 min Scan# 4211

Delta R.T. -0.01 min

Lab File: BN005493.D

Acq: 06 May 2019 19:54

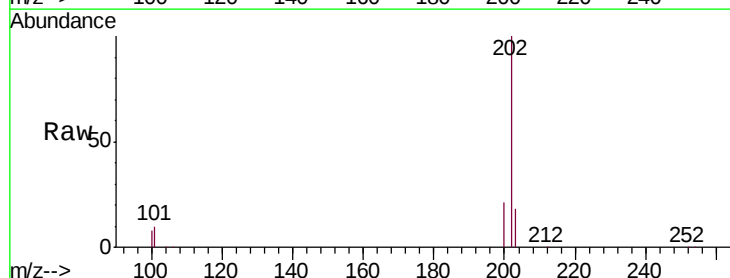
Tgt Ion:202 Resp: 70908

Ion Ratio Lower Upper

202 100

101 10.4 8.5 12.7

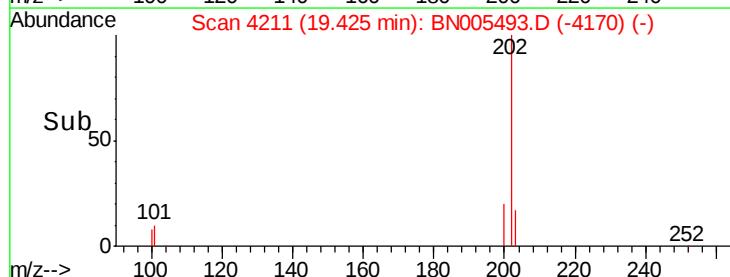
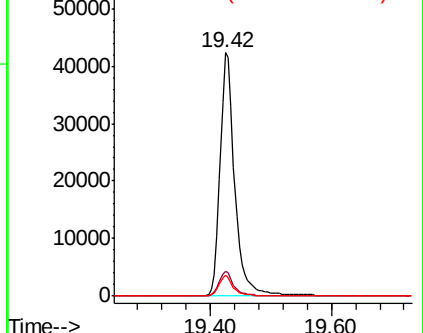
100 8.4 6.9 10.3

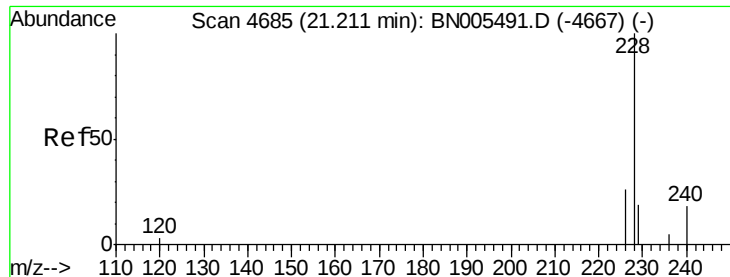


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 1.600 ng/ul

RT: 21.20 min Scan# 4682

Delta R.T. -0.01 min

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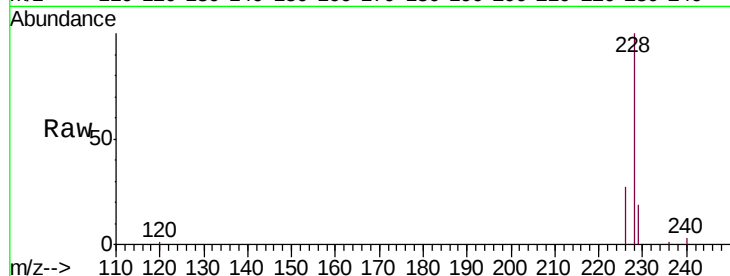
Tgt Ion:228 Resp: 70703

Ion Ratio Lower Upper

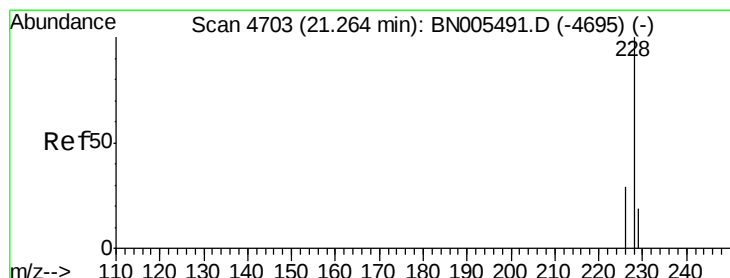
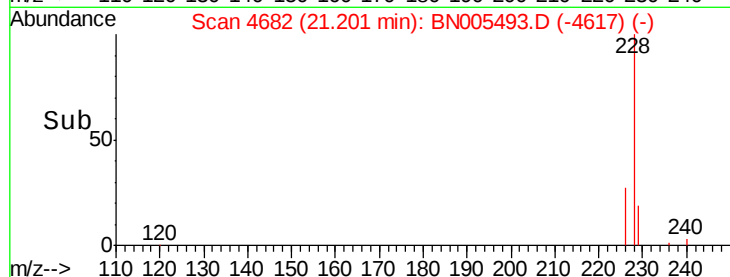
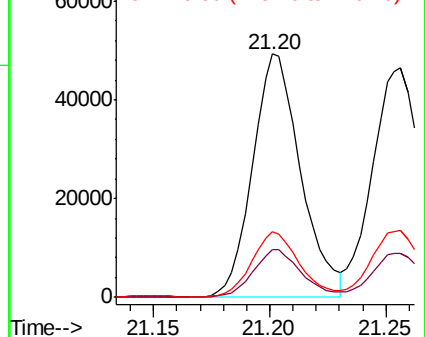
228 100

229 19.4 15.8 23.8

226 26.8 21.7 32.5



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: 1.612 ng/ul

RT: 21.26 min Scan# 4701

Delta R.T. -0.01 min

Lab File: BN005493.D

Acq: 06 May 2019 19:54

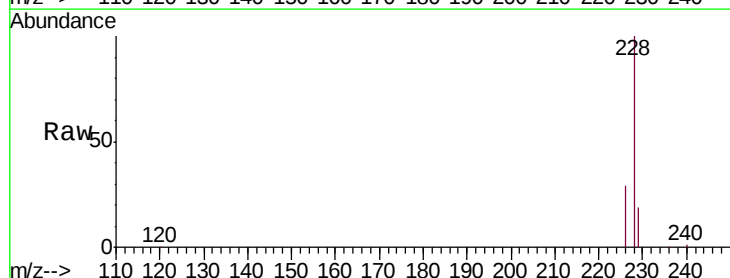
Tgt Ion:228 Resp: 75819

Ion Ratio Lower Upper

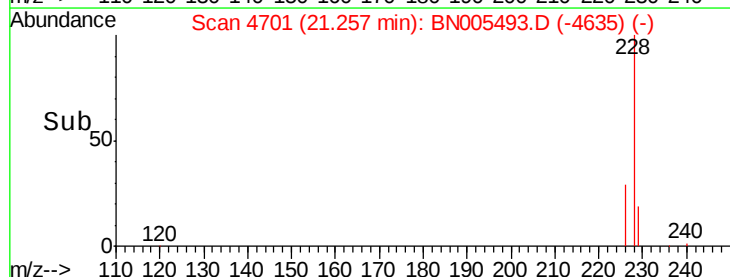
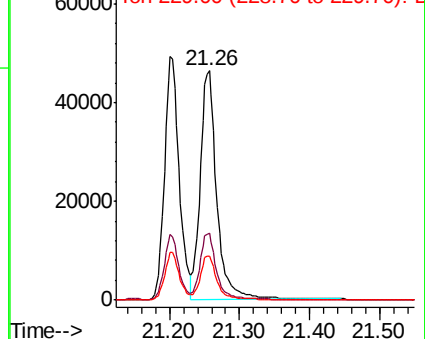
228 100

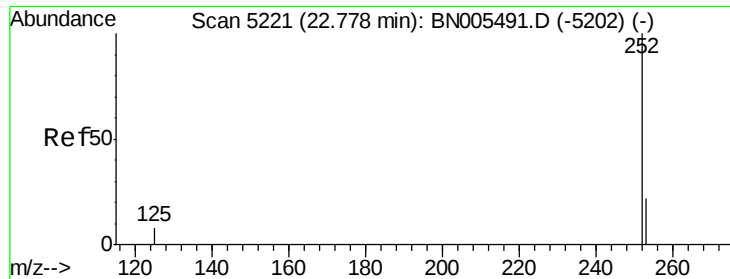
226 29.3 23.2 34.8

229 19.4 16.0 24.0



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: 1.470 ng/ul

RT: 22.77 min Scan# 5219

Delta R.T. -0.01 min

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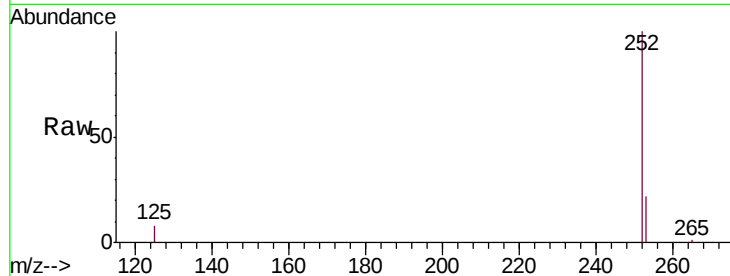
Tgt Ion:252 Resp: 70272

Ion Ratio Lower Upper

252 100

253 22.1 0.0 47.6

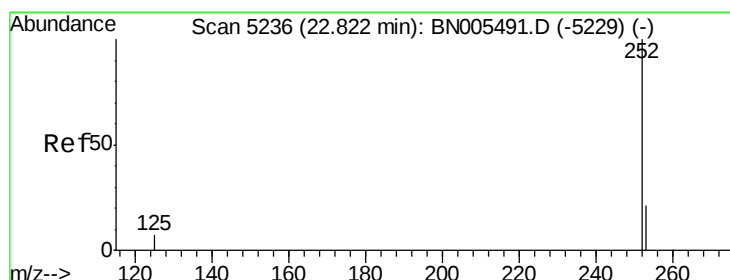
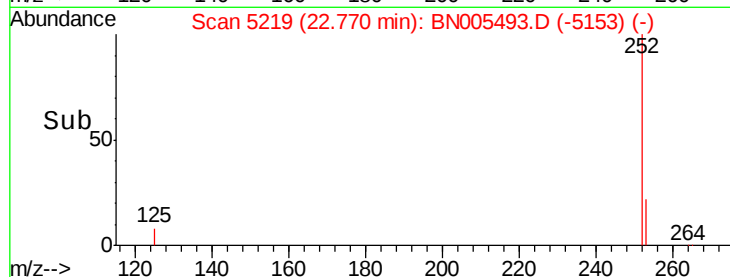
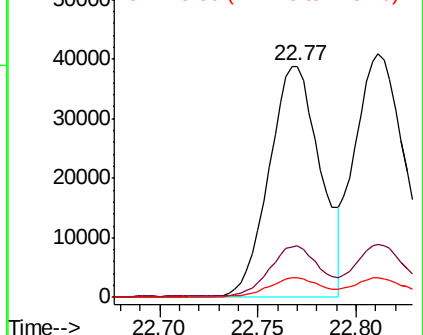
125 8.5 0.0 20.8



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



#22

Benzo(k)fluoranthene

Concen: 1.600 ng/ul

RT: 22.81 min Scan# 5233

Delta R.T. -0.01 min

Lab File: BN005493.D

Acq: 06 May 2019 19:54

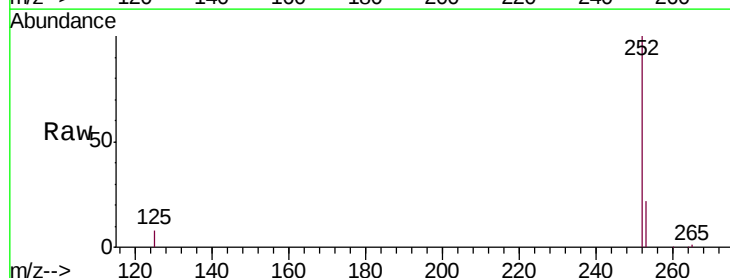
Tgt Ion:252 Resp: 78910

Ion Ratio Lower Upper

252 100

253 21.8 18.8 28.2

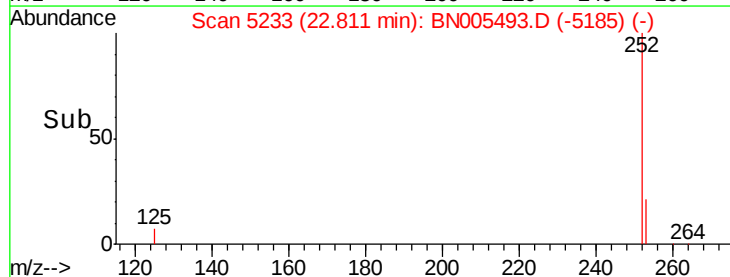
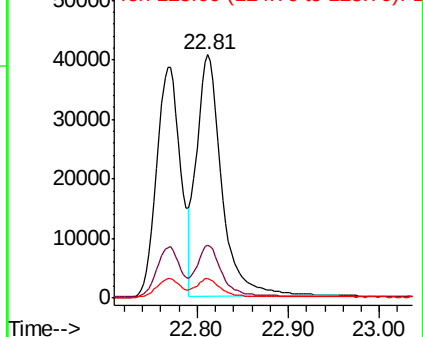
125 7.9 7.6 11.4

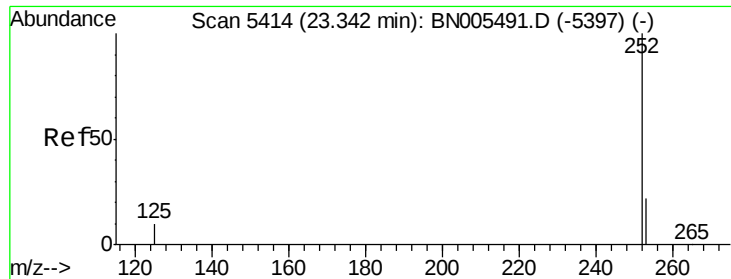


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.632 ng/ul

RT: 23.33 min Scan# 5410

Delta R.T. -0.01 min

Lab File: BN005493.D

Acq: 06 May 2019 19:54

Instrument :

BNA_N

ClientSampleId :

SSTD1.662

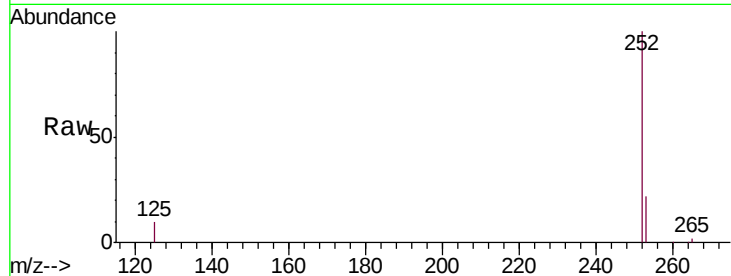
Tgt Ion:252 Resp: 72079

Ion Ratio Lower Upper

252 100

253 22.2 19.6 29.4

125 10.1 10.1 15.1#

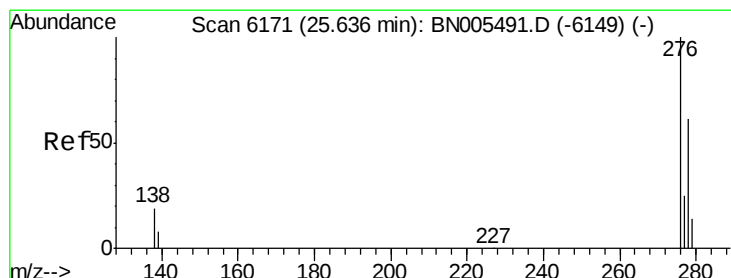
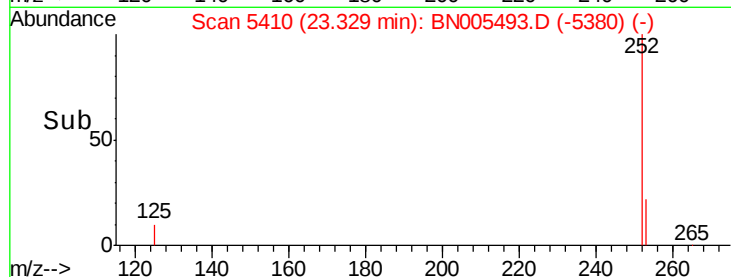
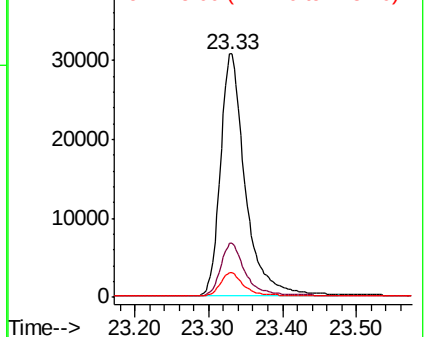


Abundance

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: 1.657 ng/ul

RT: 25.62 min Scan# 6166

Delta R.T. -0.02 min

Lab File: BN005493.D

Acq: 06 May 2019 19:54

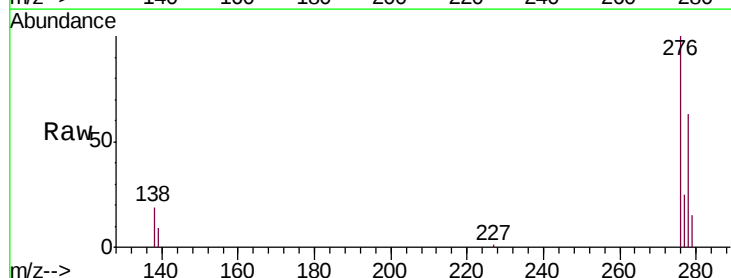
Tgt Ion:276 Resp: 81170

Ion Ratio Lower Upper

276 100

138 19.3 15.8 23.8

227 0.0 0.1 0.1#

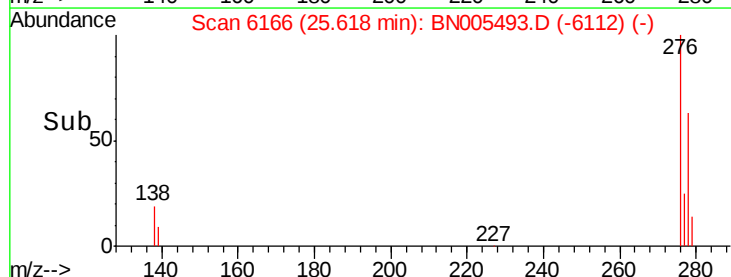
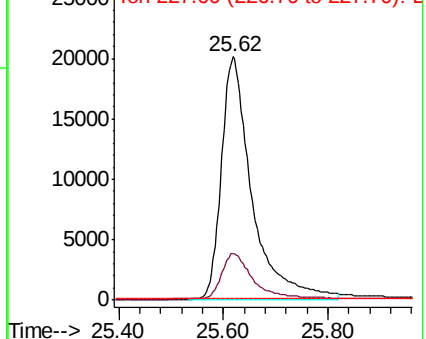


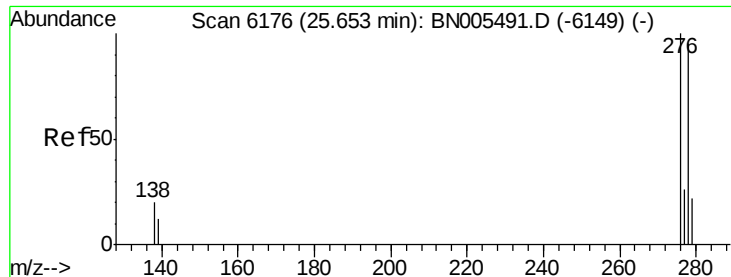
Abundance

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

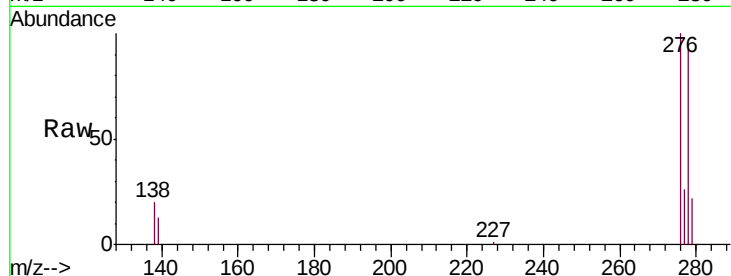




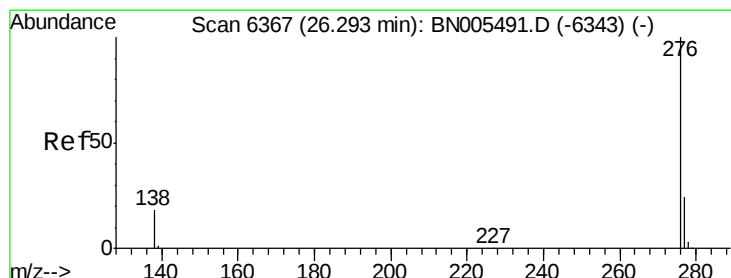
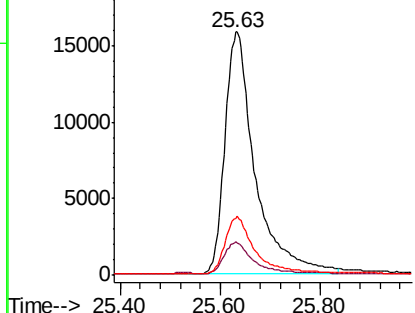
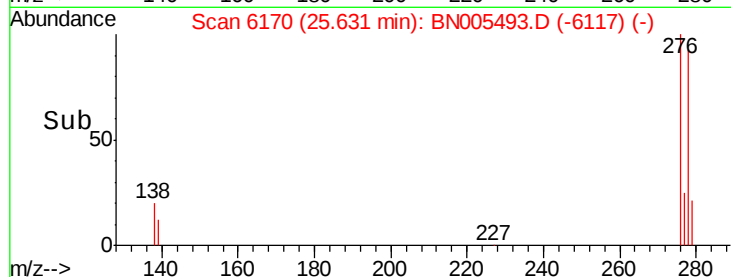
#25
Dibenzo(a,h)anthracene
Concen: 1.662 ng/ul
RT: 25.63 min Scan# 6170
Delta R.T. -0.02 min
Lab File: BN005493.D
Acq: 06 May 2019 19:54

Instrument :
BNA_N
ClientSampleId :
SSTD1.662

Tgt Ion: 278 Resp: 66771
Ion Ratio Lower Upper
278 100
139 13.7 12.4 18.6
279 23.6 21.0 31.4

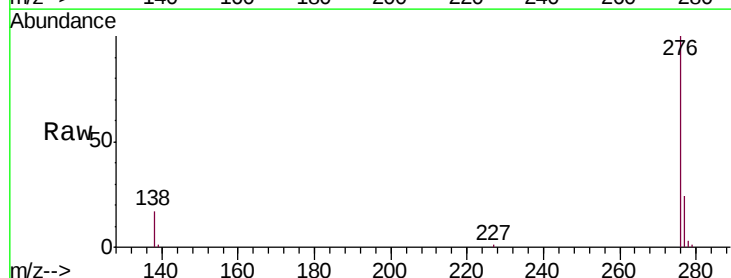


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 1.616 ng/ul
RT: 26.28 min Scan# 6363
Delta R.T. -0.02 min
Lab File: BN005493.D
Acq: 06 May 2019 19:54

Tgt Ion: 276 Resp: 67277
Ion Ratio Lower Upper
276 100
138 17.4 15.6 23.4
277 23.8 20.6 31.0



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

