

Data File : BN005492.D
Acq On : 06 May 2019 19:19
Operator : JU/SJ
Sample : SSTD0.861
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.861

Quant Time: May 07 02:51:19 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	1929	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	7350	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	4248	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.99	188	10501	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	11396	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	12941	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	9496	0.81	ng/ul	-0.01
14) Fluoranthene-d10	19.03	212	26541	0.88	ng/ul	0.00

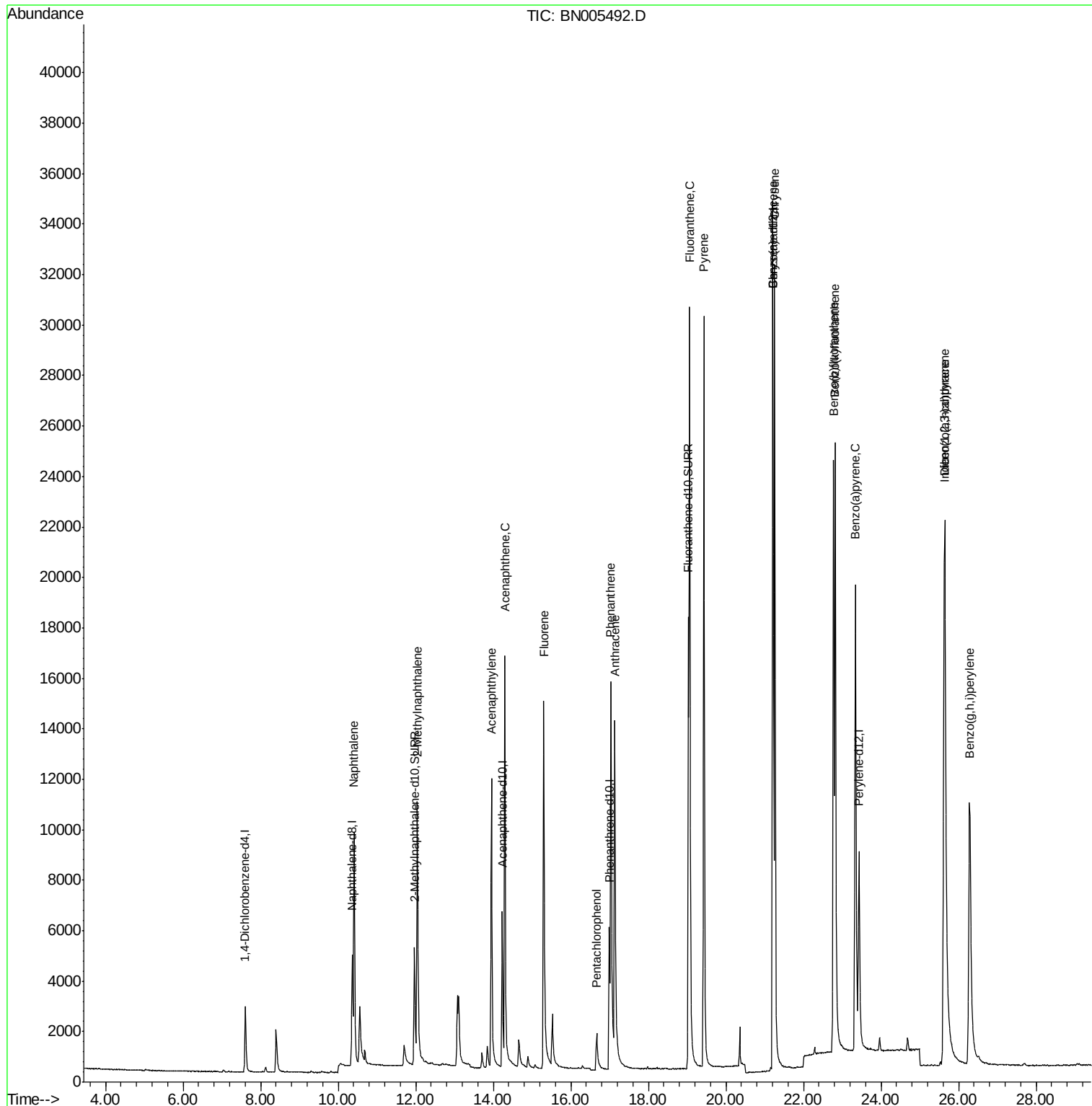
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.41	128	15528	0.775	ng/ul	97
5) 2-Methylnaphthalene	12.04	142	11029	0.780	ng/ul	100
7) Acenaphthylene	13.95	152	17412	0.816	ng/ul	98
8) Acenaphthene	14.30	153	12199	0.776	ng/ul	97
9) Fluorene	15.30	166	14327	0.788	ng/ul	98
11) Pentachlorophenol	16.66	266	2158	0.847	ng/ul	93
12) Phenanthrene	17.04	178	23288	0.731	ng/ul	100
13) Anthracene	17.13	178	23415	0.795	ng/ul	98
15) Fluoranthene	19.06	202	32011	0.857	ng/ul	99
17) Pyrene	19.43	202	33271	0.700	ng/ul	98
18) Benzo(a)anthracene	21.21	228	32622	0.765	ng/ul	99
19) Chrysene	21.26	228	36974	0.815	ng/ul	99
21) Benzo(b)fluoranthene	22.77	252	33189	0.698	ng/ul	97
22) Benzo(k)fluoranthene	22.82	252	38834	0.791	ng/ul	97
23) Benzo(a)pyrene	23.34	252	35169	0.801	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.63	276	39137	0.803	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.64	278	32250	0.807	ng/ul	97
26) Benzo(g,h,i)perylene	26.28	276	32576	0.786	ng/ul	97

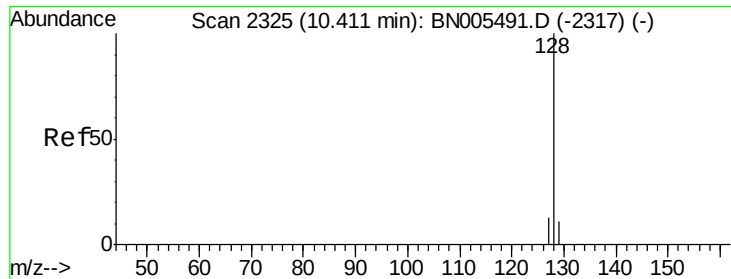
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.775 ng/ul

RT: 10.41 min Scan# 2325

Delta R.T. 0.00 min

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Instrument :

BNA_N

ClientSampleId :

SSTD0.861

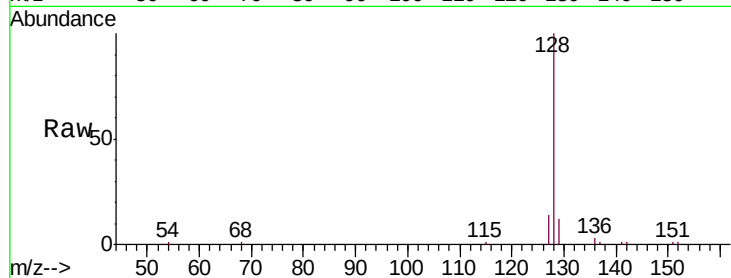
Tgt Ion:128 Resp: 15528

Ion Ratio Lower Upper

128 100

129 11.5 10.2 15.2

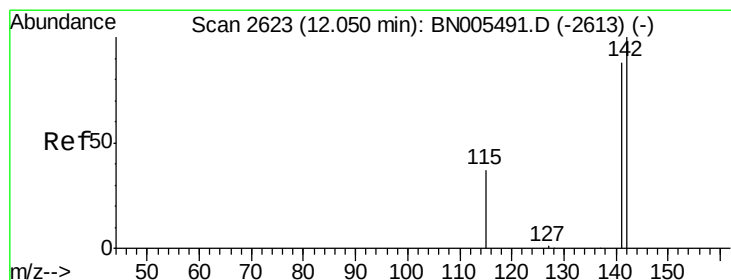
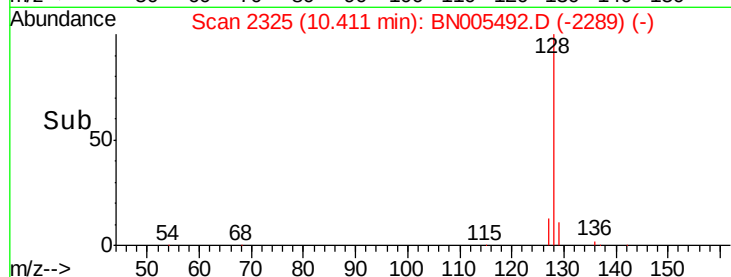
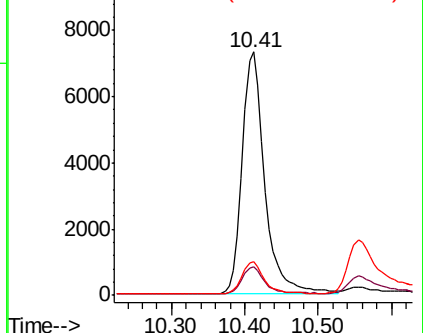
127 13.7 11.8 17.8



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: 0.780 ng/ul

RT: 12.04 min Scan# 2621

Delta R.T. -0.01 min

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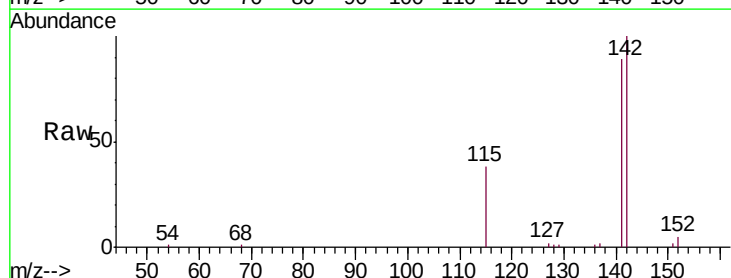
Acq: 06 May 2019 19:19

Tgt Ion:142 Resp: 11029

Ion Ratio Lower Upper

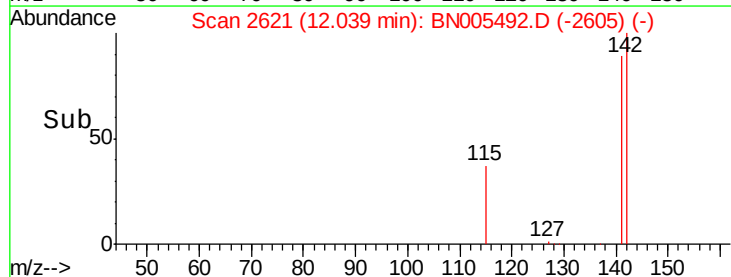
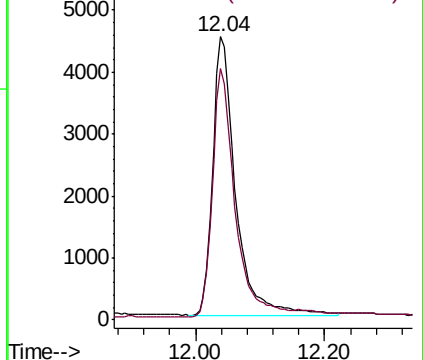
142 100

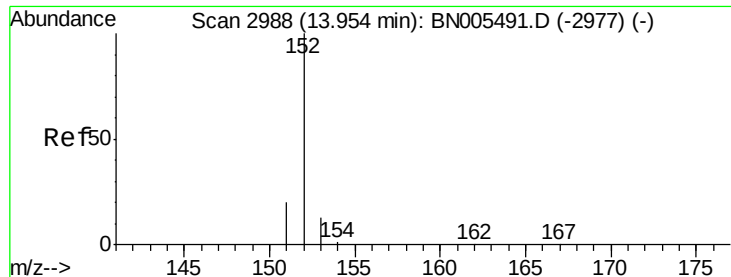
141 90.1 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.816 ng/ul

RT: 13.95 min Scan# 2987

Delta R.T. -0.00 min

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Instrument :

BNA_N

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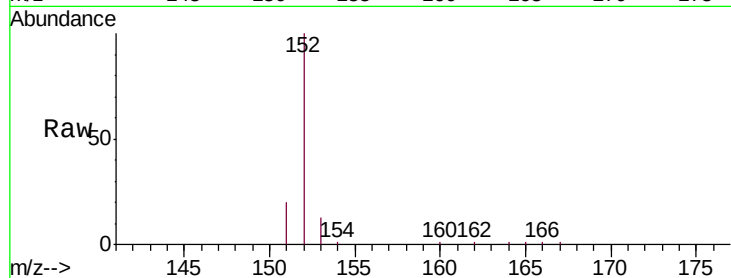
Tgt Ion:152 Resp: 17412

Ion Ratio Lower Upper

152 100

151 19.8 16.7 25.1

153 13.5 11.6 17.4

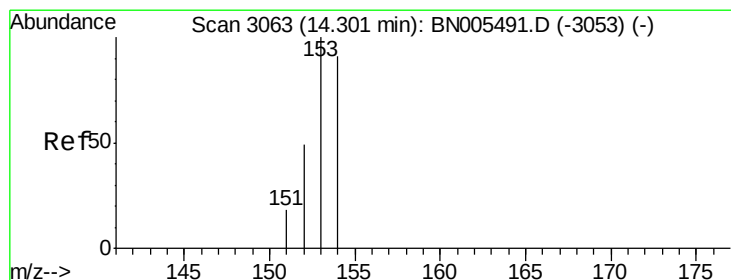
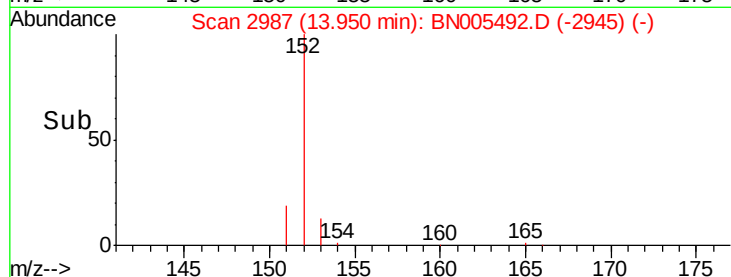
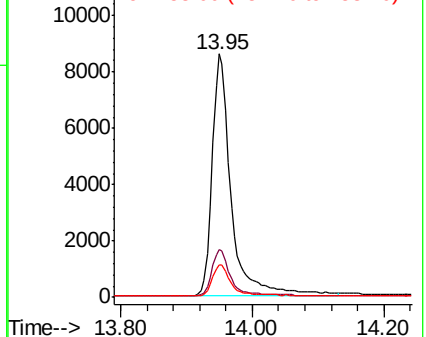


Abundance

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: 0.776 ng/ul

RT: 14.30 min Scan# 3062

Delta R.T. -0.00 min

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Acq: 06 May 2019 19:19

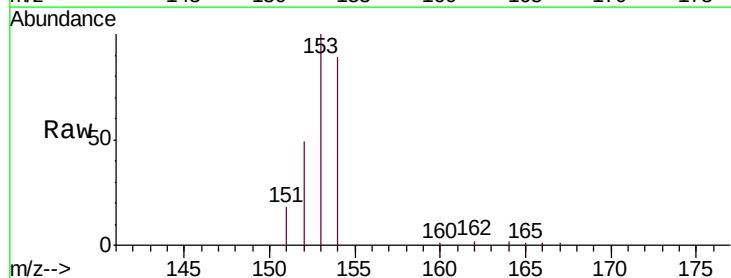
Tgt Ion:153 Resp: 12199

Ion Ratio Lower Upper

153 100

152 49.2 40.8 61.2

154 88.6 73.2 109.8

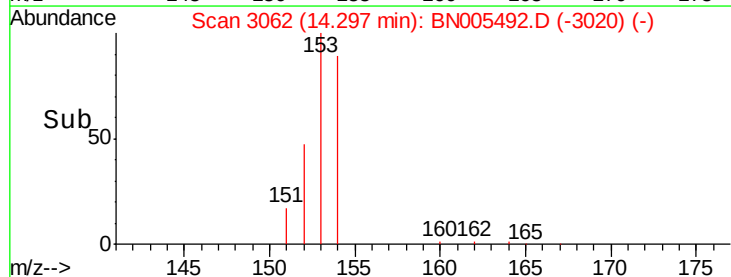
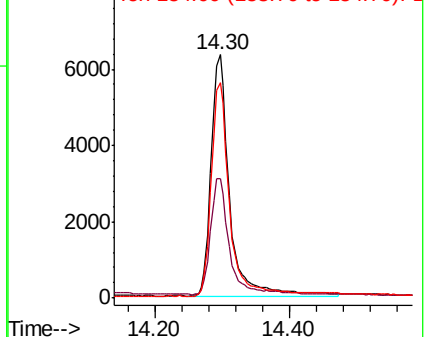


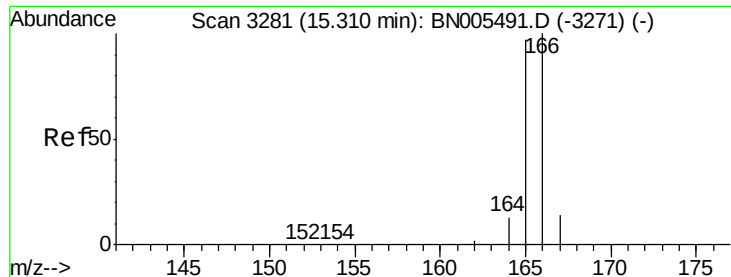
Abundance

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: 0.788 ng/ul

RT: 15.30 min Scan# 3278

Delta R.T. -0.01 min

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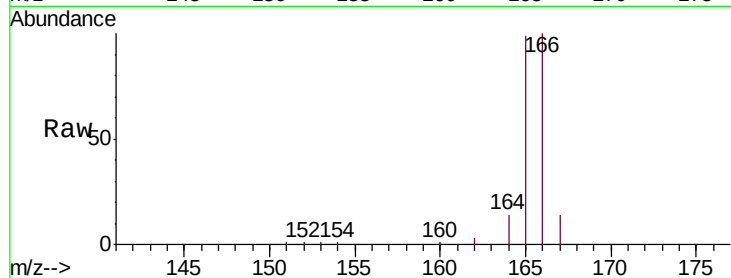
Tgt Ion:166 Resp: 14327

Ion Ratio Lower Upper

166 100

165 98.9 78.0 117.0

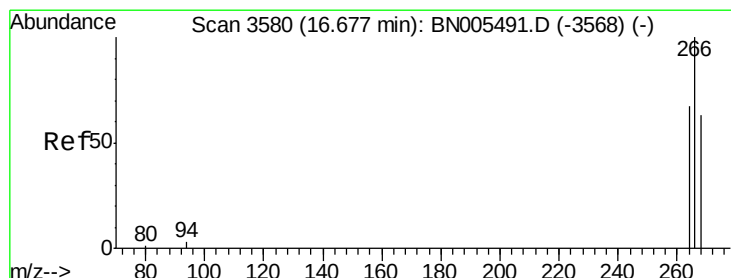
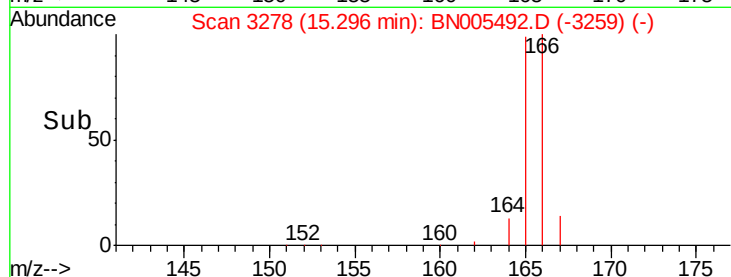
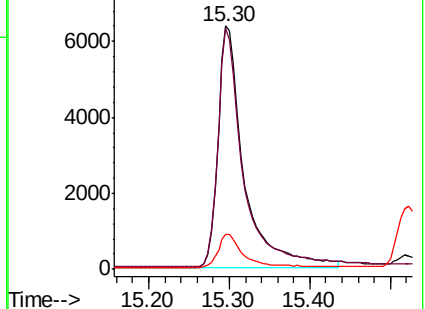
167 14.3 12.2 18.4



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: 0.847 ng/ul

RT: 16.66 min Scan# 3577

Delta R.T. -0.01 min

Lab File: BN005492.D

Acq: 06 May 2019 19:19

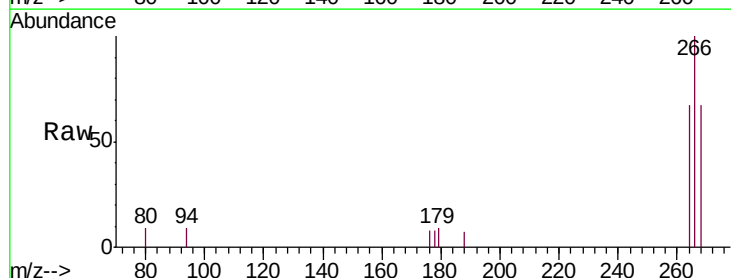
Tgt Ion:266 Resp: 2158

Ion Ratio Lower Upper

266 100

264 64.4 55.3 82.9

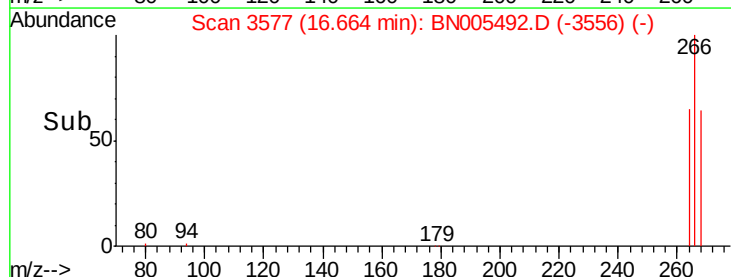
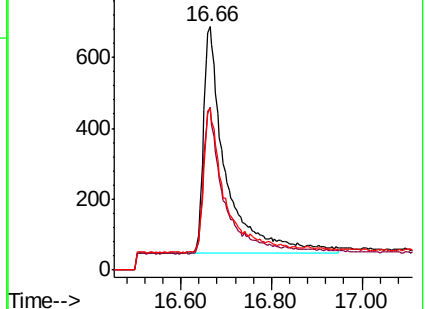
268 63.5 56.7 85.1

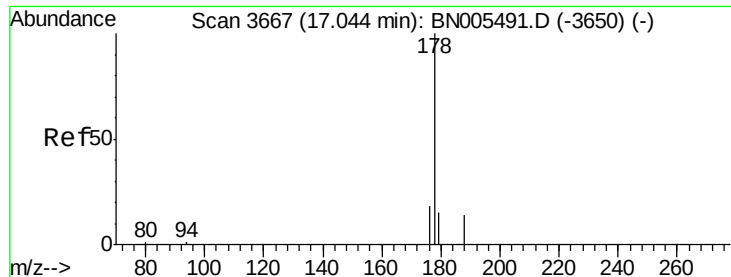


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.731 ng/ul

RT: 17.04 min Scan# 3665

Delta R.T. -0.01 min

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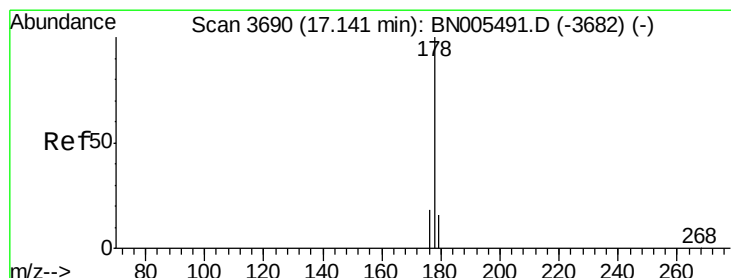
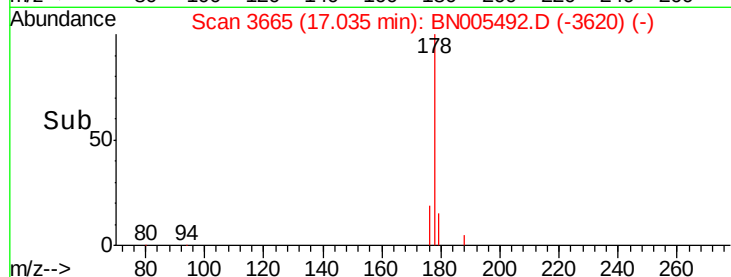
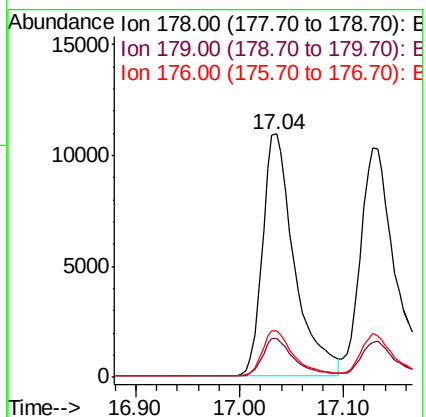
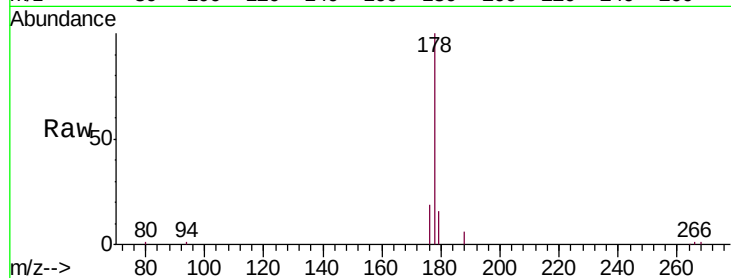
Tgt Ion:178 Resp: 23288

Ion Ratio Lower Upper

178 100

179 15.8 12.8 19.2

176 19.1 15.3 22.9



#13

Anthracene

Concen: 0.795 ng/ul

RT: 17.13 min Scan# 3687

Delta R.T. -0.01 min

Lab File: BN005492.D

Acq: 06 May 2019 19:19

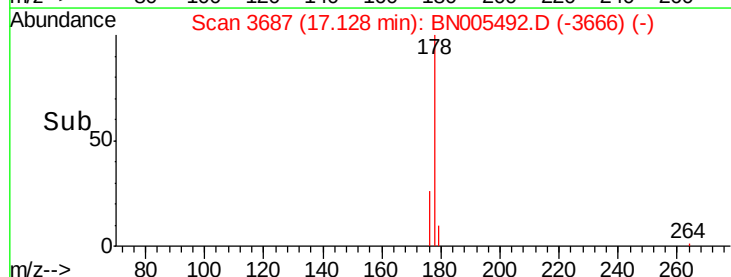
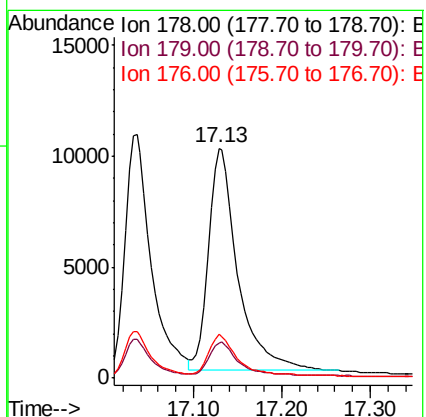
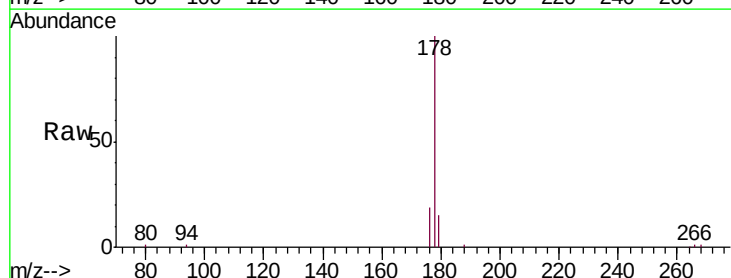
Tgt Ion:178 Resp: 23415

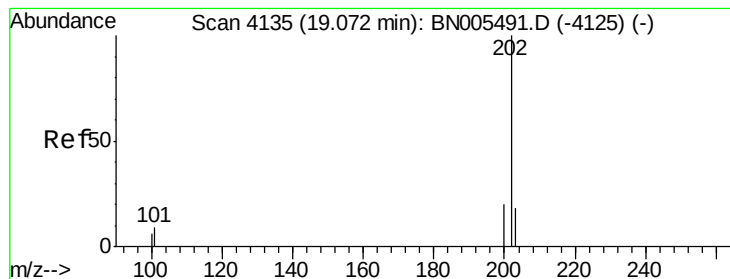
Ion Ratio Lower Upper

178 100

179 15.5 13.4 20.2

176 18.9 15.1 22.7





#15

Fluoranthene

Concen: 0.857 ng/ul

RT: 19.06 min Scan# 4133

Delta R.T. -0.01 min

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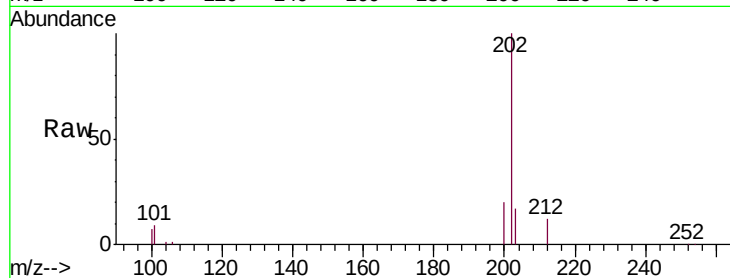
Tgt Ion:202 Resp: 32011

Ion Ratio Lower Upper

202 100

101 9.0 0.0 29.4

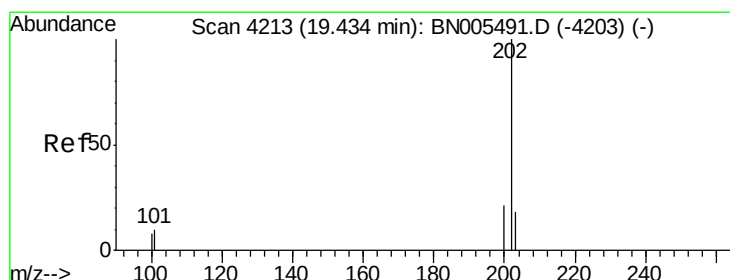
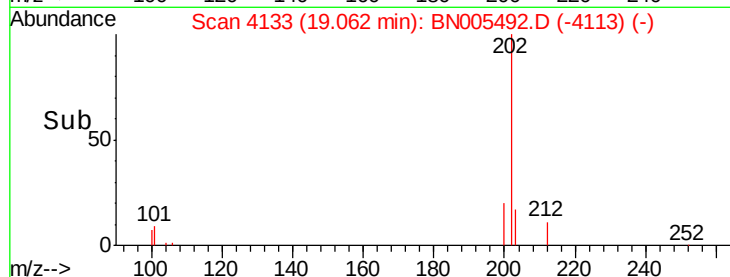
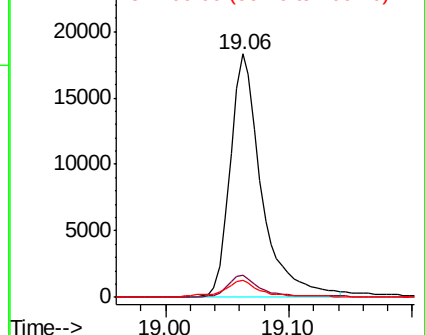
100 6.9 0.0 27.1



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: 0.700 ng/ul

RT: 19.43 min Scan# 4212

Delta R.T. -0.00 min

Lab File: BN005492.D

Acq: 06 May 2019 19:19

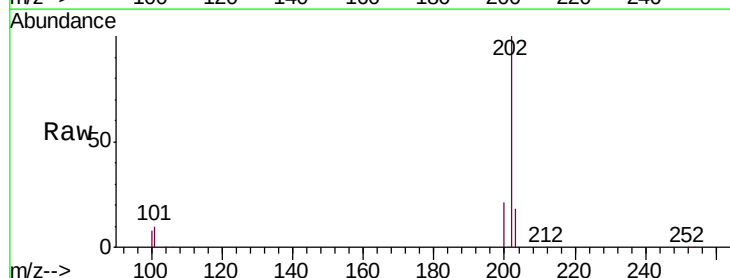
Tgt Ion:202 Resp: 33271

Ion Ratio Lower Upper

202 100

101 10.0 8.5 12.7

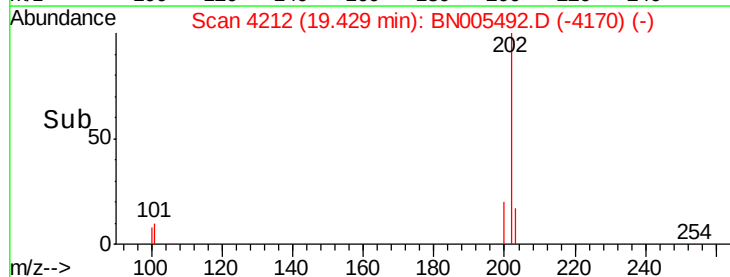
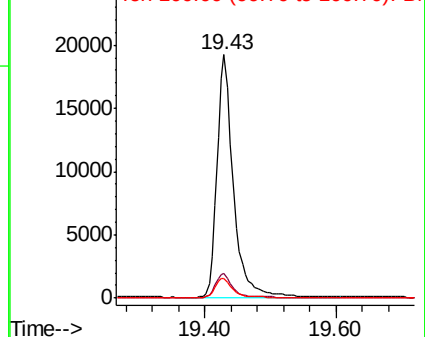
100 8.0 6.9 10.3

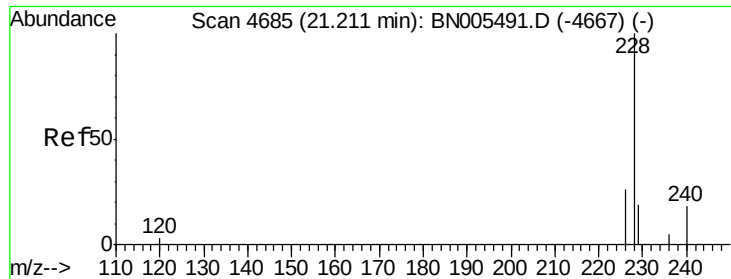


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.765 ng/ul

RT: 21.21 min Scan# 4684

Delta R.T. -0.00 min

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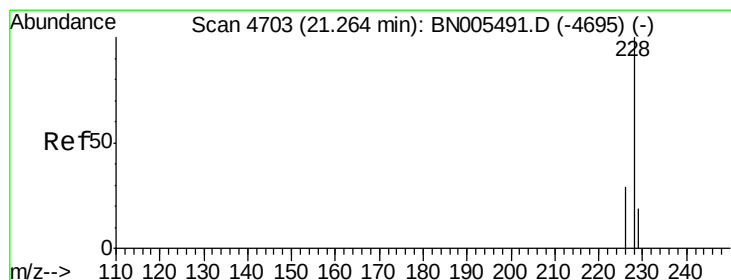
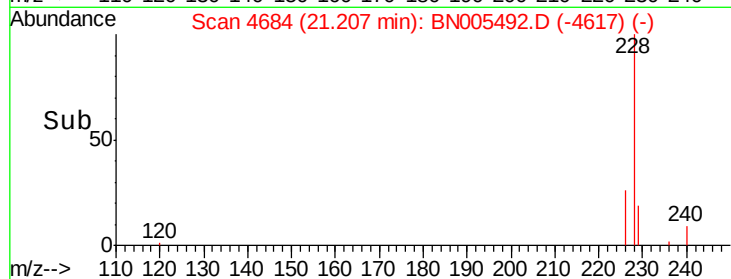
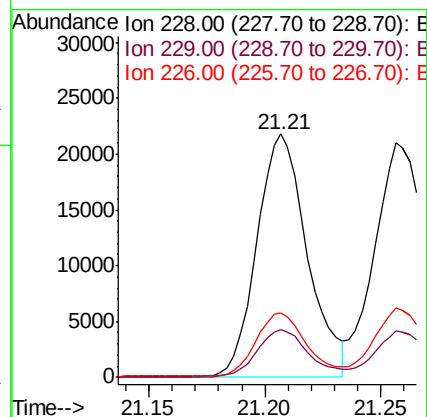
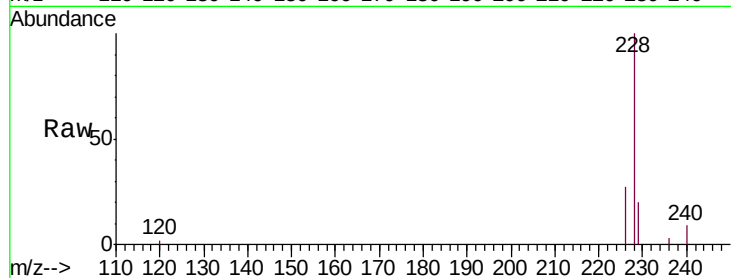
Tgt Ion:228 Resp: 32622

Ion Ratio Lower Upper

228 100

229 19.7 15.8 23.8

226 26.6 21.7 32.5



#19

Chrysene

Concen: 0.815 ng/ul

RT: 21.26 min Scan# 4701

Delta R.T. -0.01 min

Lab File: BN005492.D

Acq: 06 May 2019 19:19

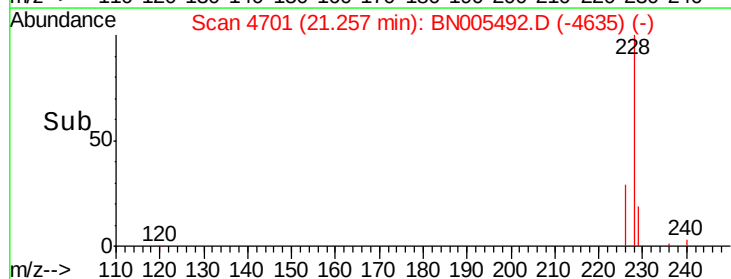
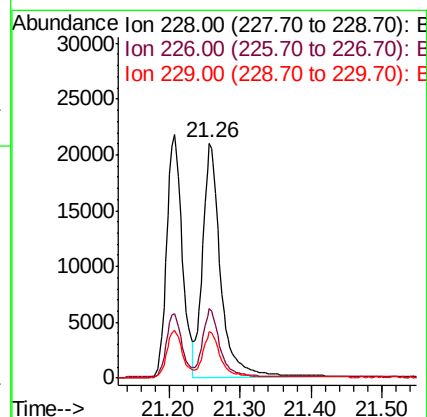
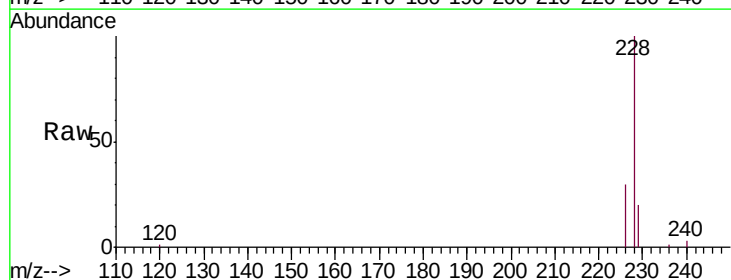
Tgt Ion:228 Resp: 36974

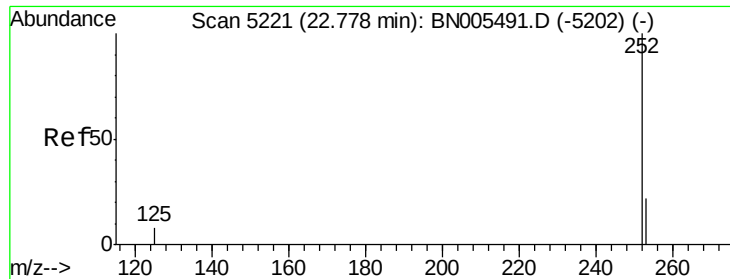
Ion Ratio Lower Upper

228 100

226 29.6 23.2 34.8

229 19.6 16.0 24.0





#21

Benzo(b)fluoranthene

Concen: 0.698 ng/ul

RT: 22.77 min Scan# 5220

Delta R.T. -0.00 min

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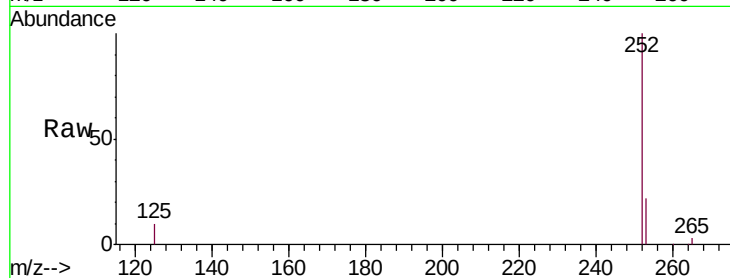
Tgt Ion:252 Resp: 33189

Ion Ratio Lower Upper

252 100

253 22.4 0.0 47.6

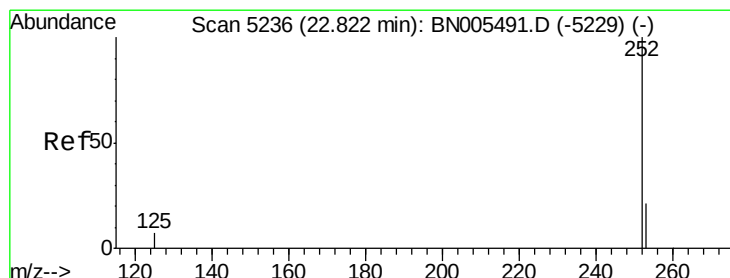
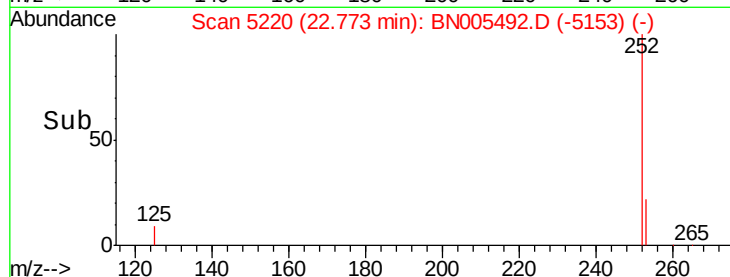
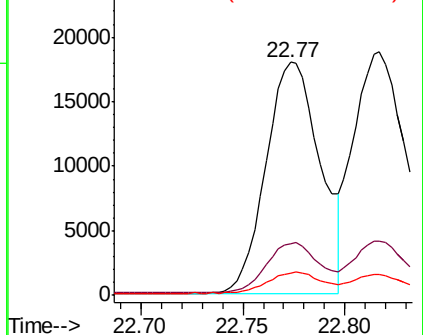
125 9.8 0.0 20.8



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: 0.791 ng/ul

RT: 22.82 min Scan# 5235

Delta R.T. -0.00 min

Lab File: BN005492.D

Acq: 06 May 2019 19:19

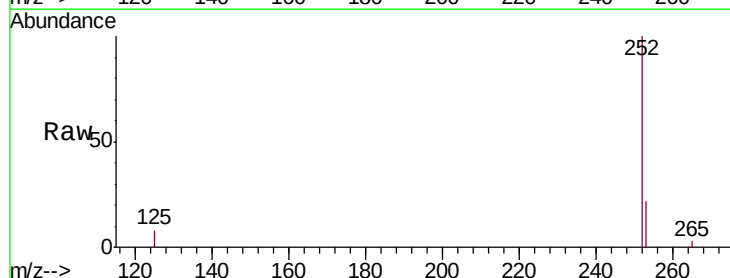
Tgt Ion:252 Resp: 38834

Ion Ratio Lower Upper

252 100

253 22.3 18.8 28.2

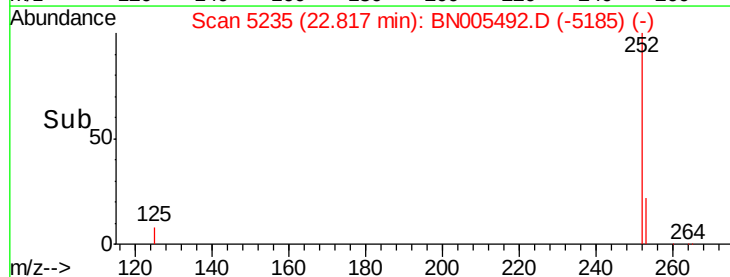
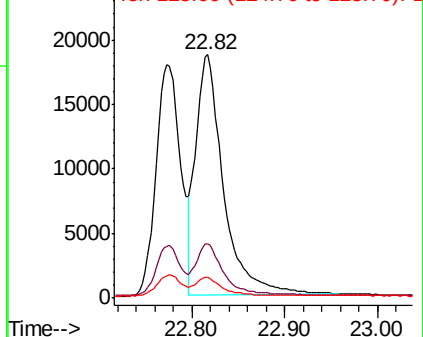
125 8.3 7.6 11.4

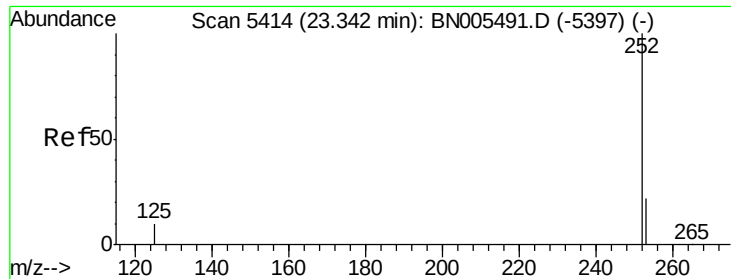


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.801 ng/ul

RT: 23.34 min Scan# 5413

Delta R.T. -0.00 min

Lab File: BN005492.D

Acq: 06 May 2019 19:19

Instrument :

BNA_N

ClientSampleId :

SSTD0.861

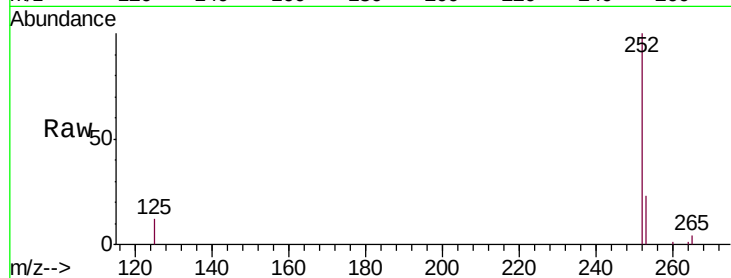
Tgt Ion:252 Resp: 35169

Ion Ratio Lower Upper

252 100

253 23.2 19.6 29.4

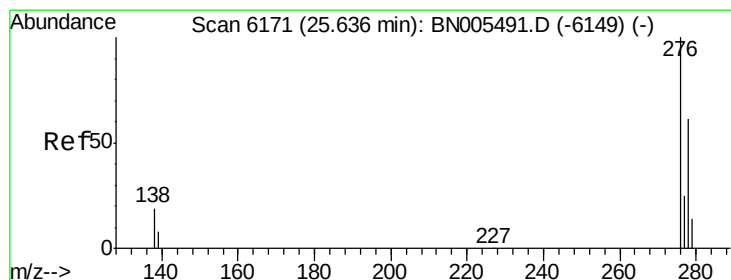
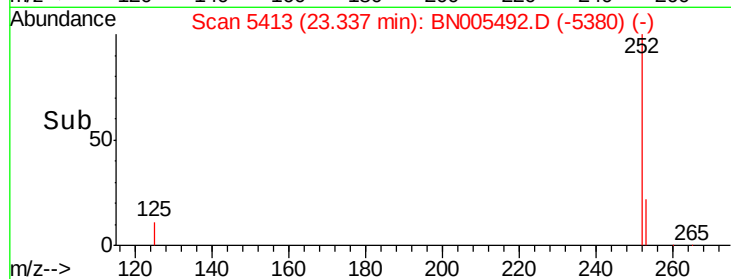
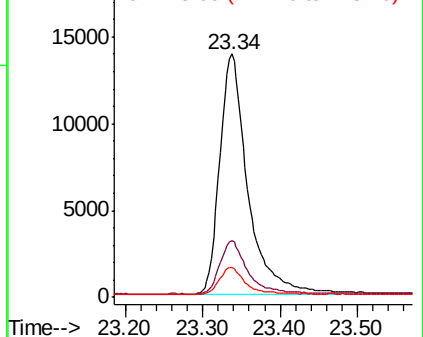
125 12.4 10.1 15.1



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: 0.803 ng/ul

RT: 25.63 min Scan# 6170

Delta R.T. -0.01 min

Lab File: BN005492.D

Acq: 06 May 2019 19:19

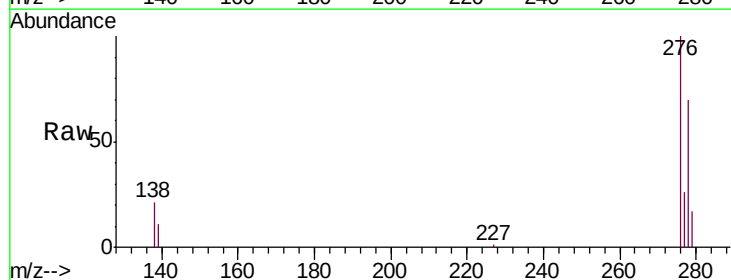
Tgt Ion:276 Resp: 39137

Ion Ratio Lower Upper

276 100

138 19.3 15.8 23.8

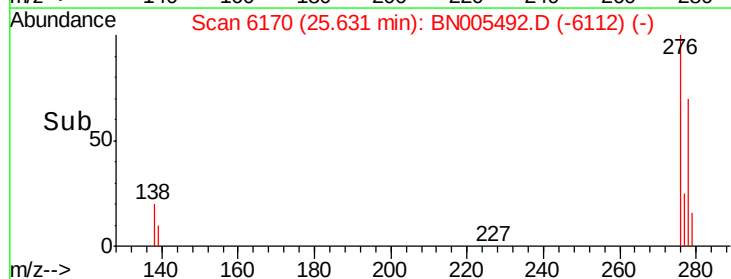
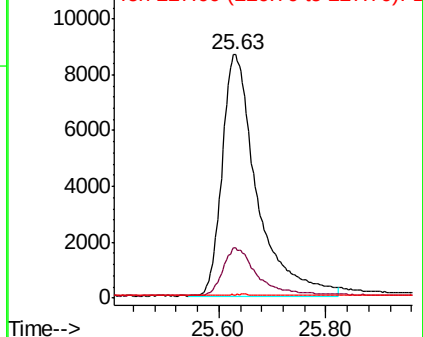
227 0.2 0.1 0.1#

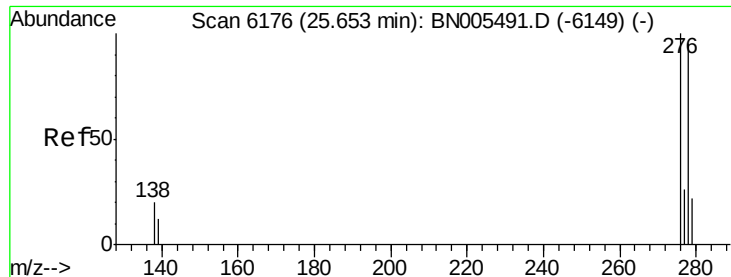


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

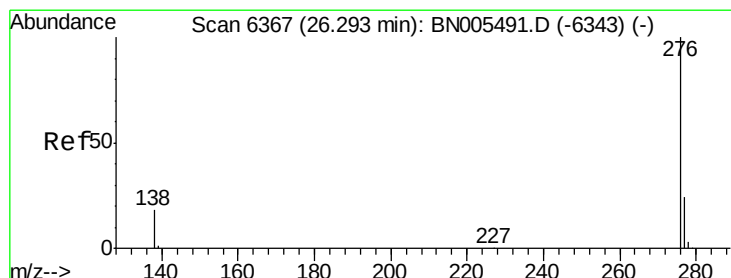
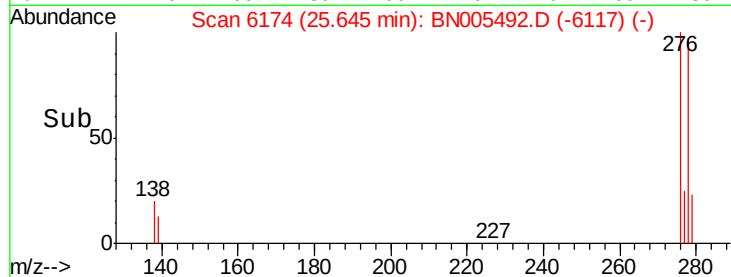
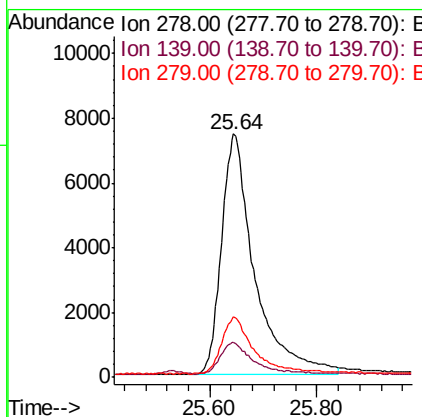
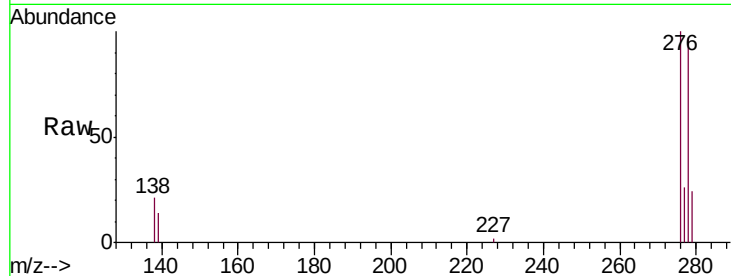




#25
Dibenzo(a,h)anthracene
Concen: 0.807 ng/ul
RT: 25.64 min Scan# 6174
Delta R.T. -0.01 min
Lab File: BN005492.D
Acq: 06 May 2019 19:19

Instrument :
BNA_N
ClientSampleId :
SSTD0.861

Tgt Ion: 278 Resp: 32250
Ion Ratio Lower Upper
278 100
139 14.4 12.4 18.6
279 24.9 21.0 31.4



#26
Benzo(g,h,i)perylene
Concen: 0.786 ng/ul
RT: 26.28 min Scan# 6364
Delta R.T. -0.01 min
Lab File: BN005492.D
Acq: 06 May 2019 19:19

Tgt Ion: 276 Resp: 32576
Ion Ratio Lower Upper
276 100
138 18.2 15.6 23.4
277 24.2 20.6 31.0

