

Data File : BN005494.D
Acq On : 06 May 2019 20:29
Operator : JU/SJ
Sample : SSTD3.263
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD3.263

Quant Time: May 07 02:51:41 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	2068	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	8096	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.23	164	4925	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	11993	0.40	ng/ul	-0.02
16) Chrysene-d12	21.21	240	12682	0.40	ng/ul	-0.01
20) Perylene-d12	23.42	264	13656	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.95	152	44454	3.45	ng/ul	-0.02
14) Fluoranthene-d10	19.03	212	127111	3.69	ng/ul	-0.01

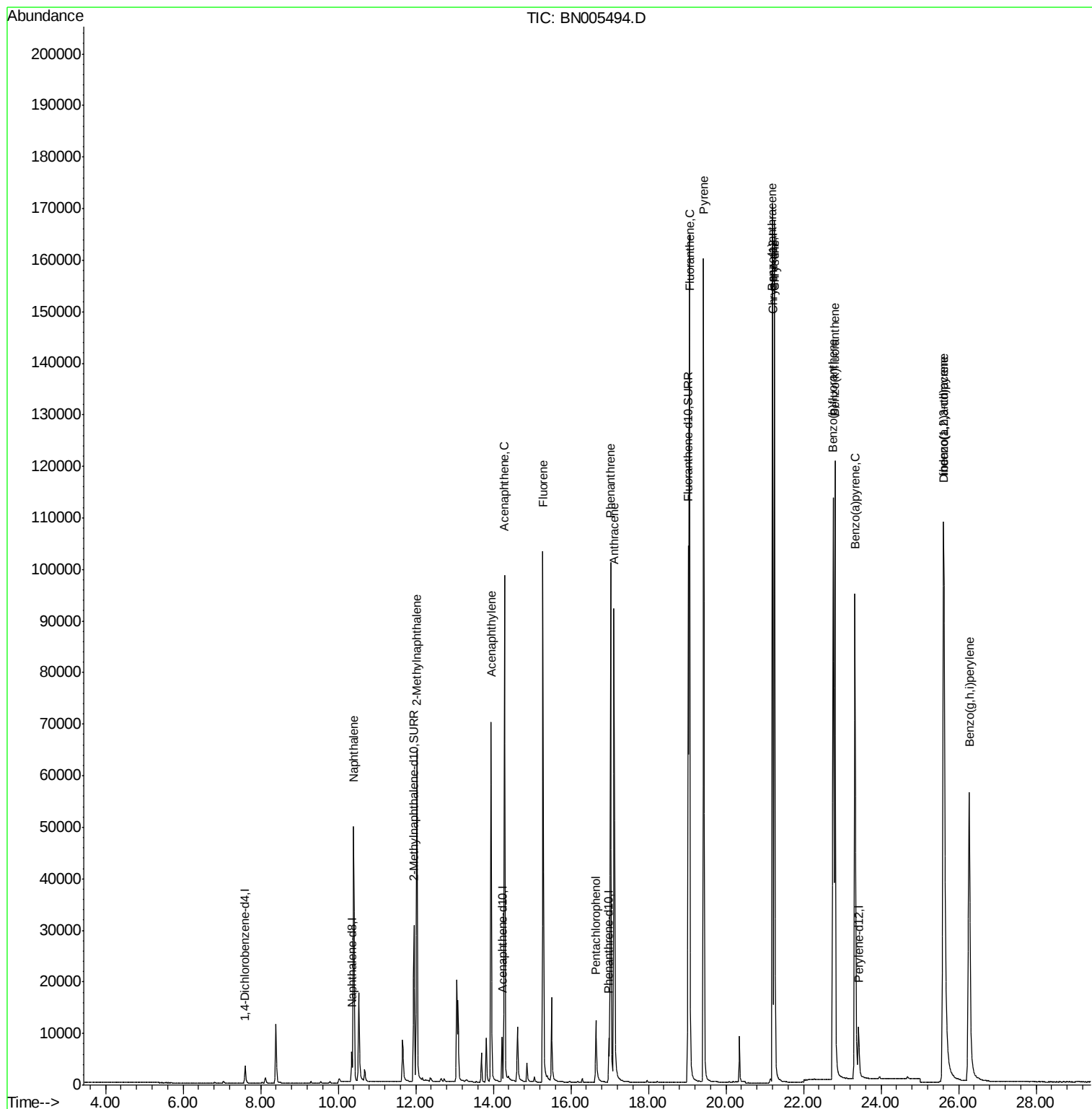
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.40	128	69907	3.169	ng/ul	96
5) 2-Methylnaphthalene	12.03	142	51967	3.336	ng/ul	98
7) Acenaphthylene	13.94	152	84933	3.433	ng/ul	97
8) Acenaphthene	14.29	153	58401	3.204	ng/ul	96
9) Fluorene	15.28	166	70611	3.349	ng/ul	99
11) Pentachlorophenol	16.64	266	12603	4.332	ng/ul	92
12) Phenanthrene	17.02	178	115811	3.185	ng/ul	99
13) Anthracene	17.12	178	117656	3.496	ng/ul	98
15) Fluoranthene	19.06	202	151513	3.550	ng/ul	97
17) Pyrene	19.42	202	153498	2.900	ng/ul	98
18) Benzo(a)anthracene	21.20	228	156172	3.292	ng/ul	99
19) Chrysene	21.25	228	159059	3.150	ng/ul	99
21) Benzo(b)fluoranthene	22.76	252	156999	3.128	ng/ul	95
22) Benzo(k)fluoranthene	22.81	252	163425	3.156	ng/ul	96
23) Benzo(a)pyrene	23.33	252	154009	3.322	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.61	276	172366	3.352	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.62	278	141429	3.352	ng/ul	95
26) Benzo(g,h,i)perylene	26.27	276	142229	3.254	ng/ul	95

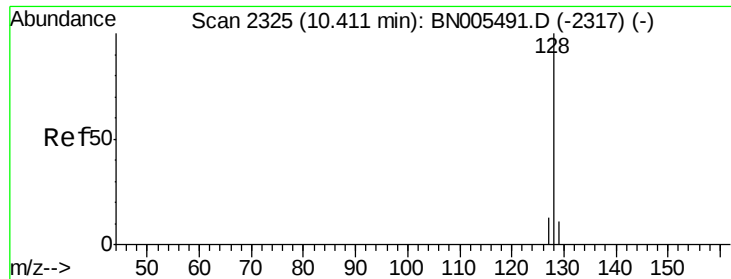
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 3.169 ng/ul

RT: 10.40 min Scan# 2323

Delta R.T. -0.01 min

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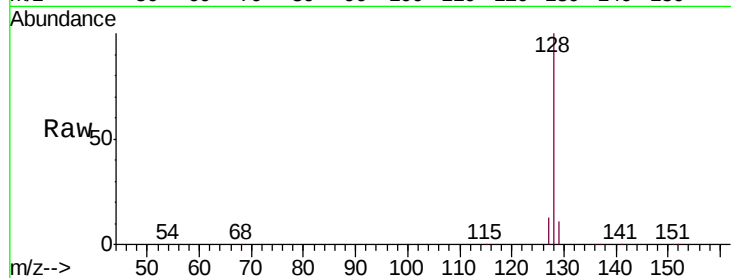
Tgt Ion:128 Resp: 69907

Ion Ratio Lower Upper

128 100

129 11.0 10.2 15.2

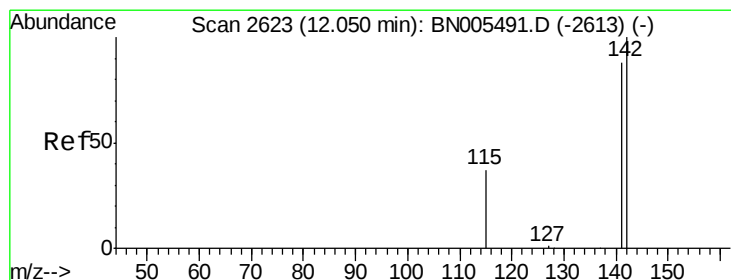
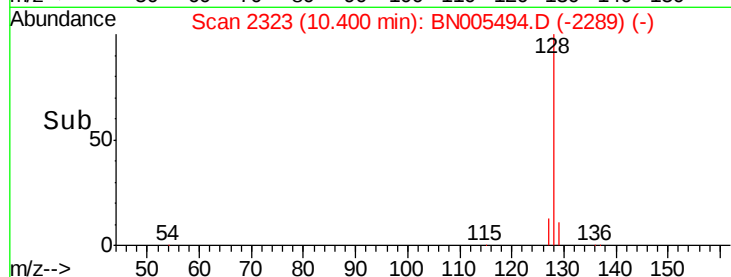
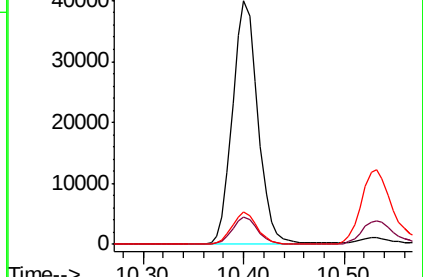
127 13.2 11.8 17.8



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: 3.336 ng/ul

RT: 12.03 min Scan# 2619

Delta R.T. -0.02 min

Lab File: BN005494.D

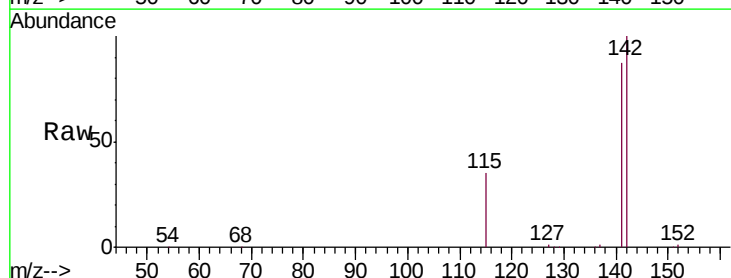
Acq: 06 May 2019 20:29

Tgt Ion:142 Resp: 51967

Ion Ratio Lower Upper

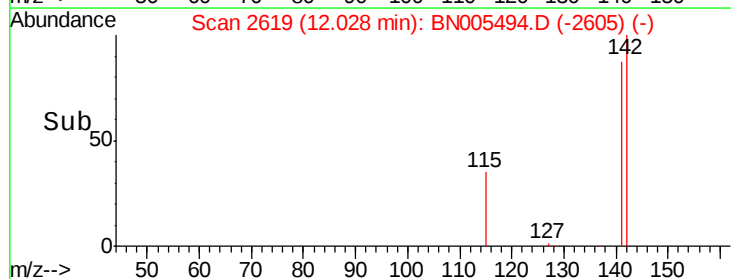
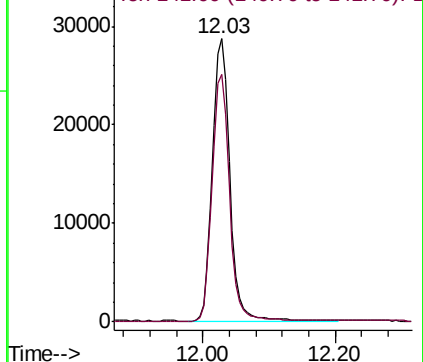
142 100

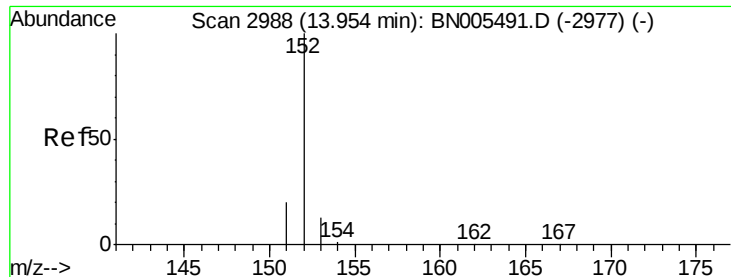
141 88.5 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 3.433 ng/ul

RT: 13.94 min Scan# 2985

Delta R.T. -0.01 min

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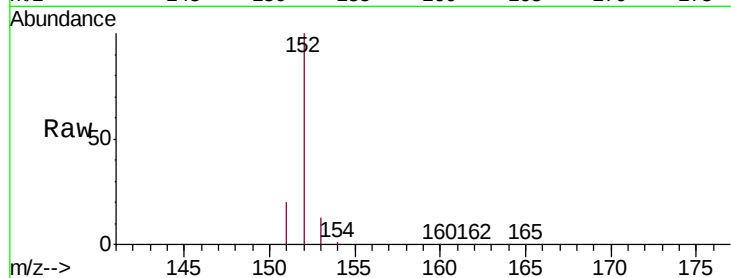
Tgt Ion:152 Resp: 84933

Ion Ratio Lower Upper

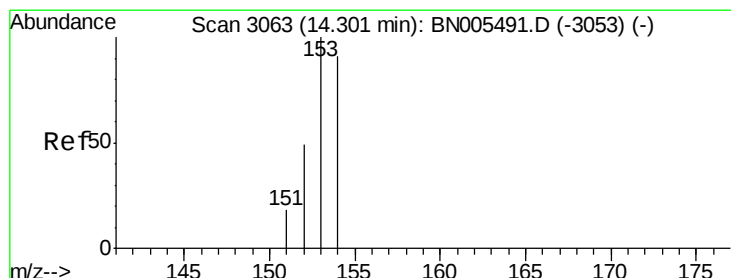
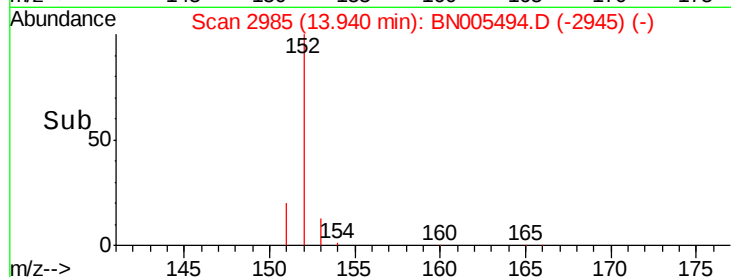
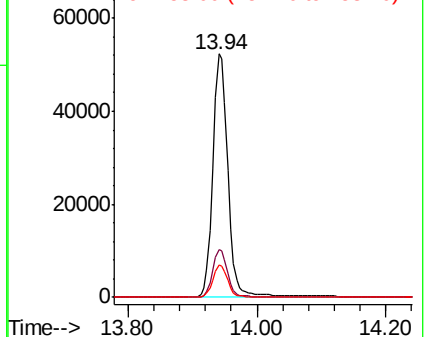
152 100

151 19.7 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: 3.204 ng/ul

RT: 14.29 min Scan# 3060

Delta R.T. -0.01 min

Lab File: BN005494.D

Acq: 06 May 2019 20:29

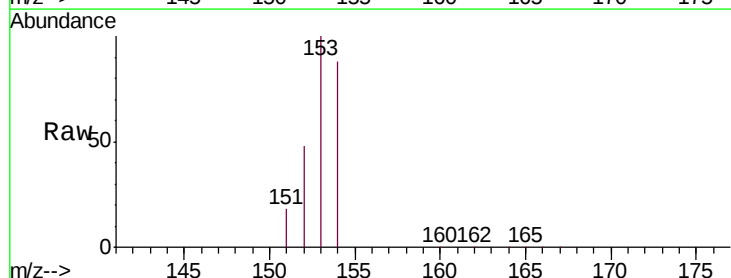
Tgt Ion:153 Resp: 58401

Ion Ratio Lower Upper

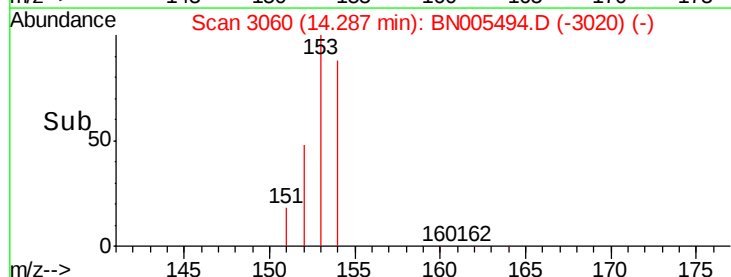
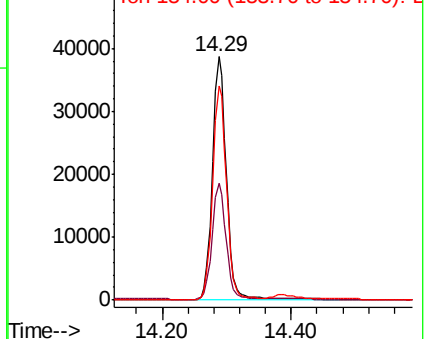
153 100

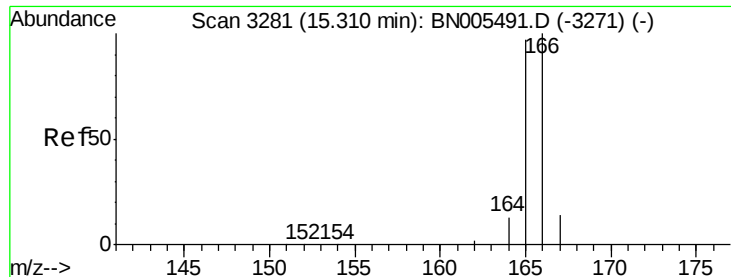
152 48.2 40.8 61.2

154 88.2 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: 3.349 ng/ul

RT: 15.28 min Scan# 3275

Delta R.T. -0.03 min

Lab File: BN005494.D

Acq: 06 May 2019 20:29

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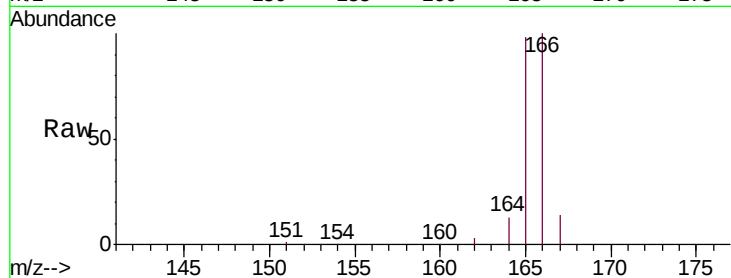
Tgt Ion:166 Resp: 70611

Ion Ratio Lower Upper

166 100

165 97.8 78.0 117.0

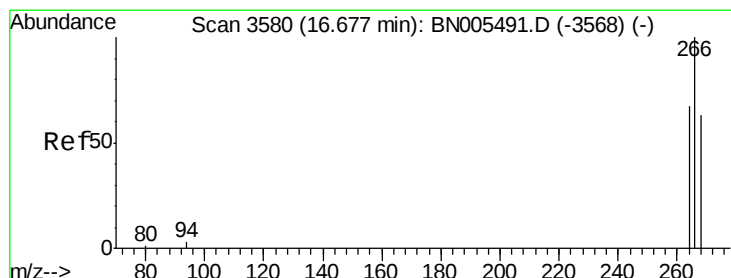
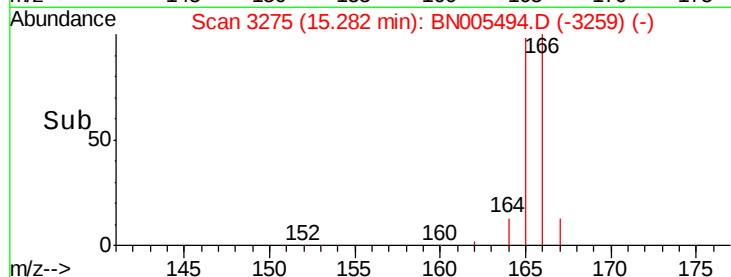
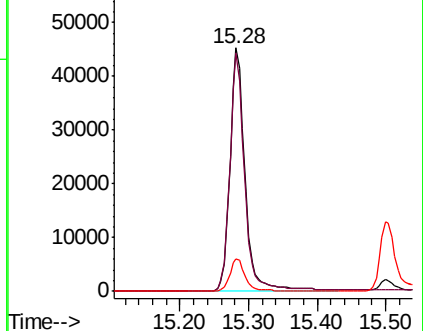
167 13.6 12.2 18.4



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: 4.332 ng/ul

RT: 16.64 min Scan# 3572

Delta R.T. -0.03 min

Lab File: BN005494.D

Acq: 06 May 2019 20:29

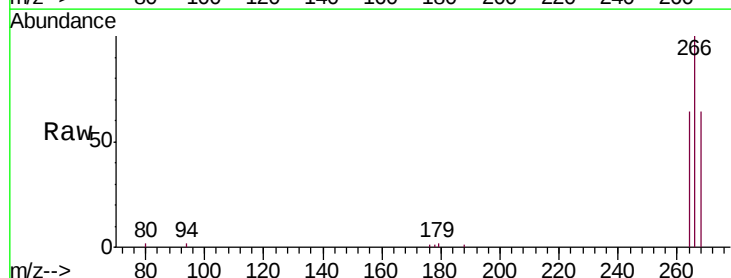
Tgt Ion:266 Resp: 12603

Ion Ratio Lower Upper

266 100

264 63.1 55.3 82.9

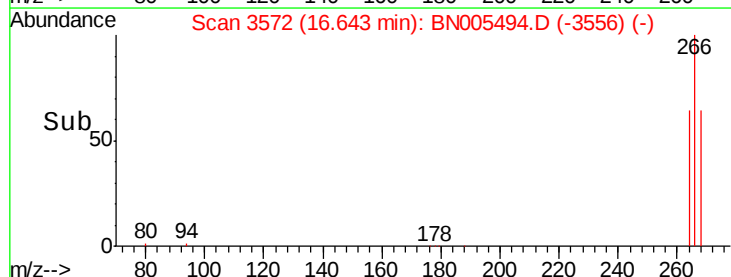
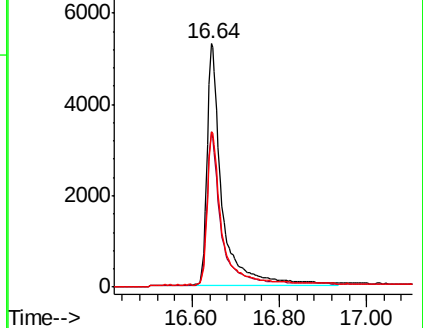
268 63.9 56.7 85.1

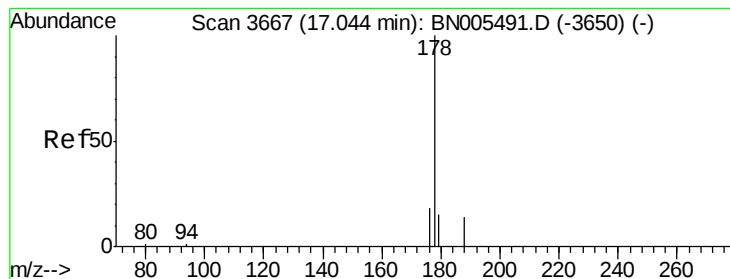


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 3.185 ng/ul

RT: 17.02 min Scan# 3662

Delta R.T. -0.02 min

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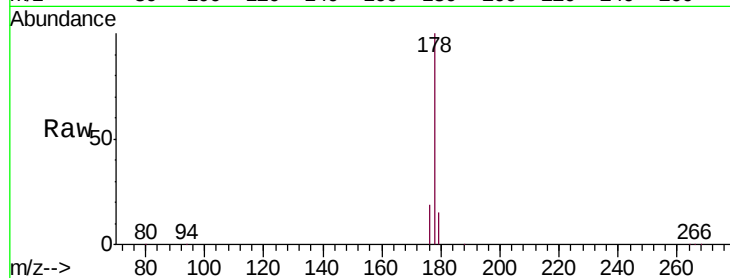
Tgt Ion:178 Resp: 115811

Ion Ratio Lower Upper

178 100

179 15.2 12.8 19.2

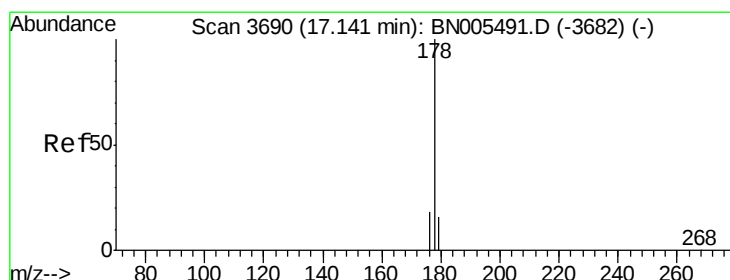
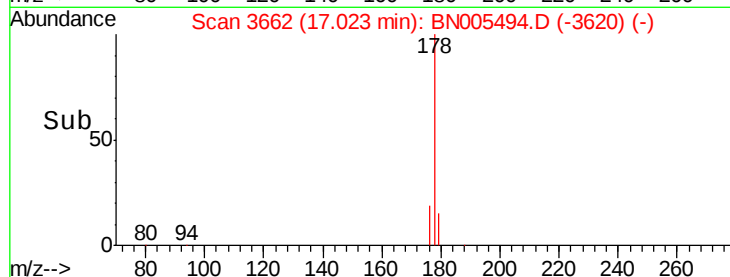
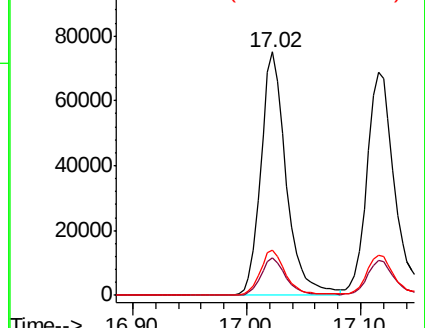
176 18.7 15.3 22.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 3.496 ng/ul

RT: 17.12 min Scan# 3684

Delta R.T. -0.03 min

Lab File: BN005494.D

Acq: 06 May 2019 20:29

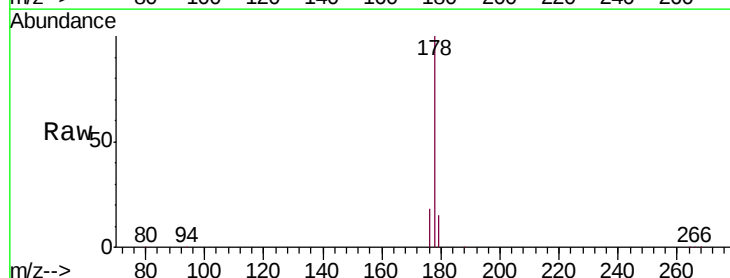
Tgt Ion:178 Resp: 117656

Ion Ratio Lower Upper

178 100

179 15.4 13.4 20.2

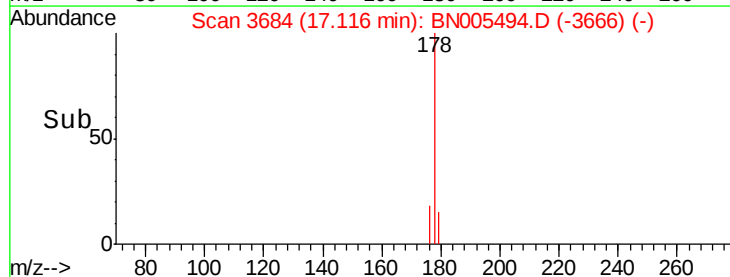
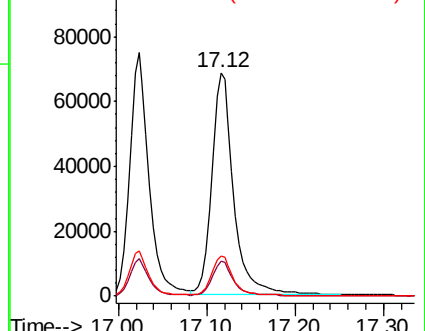
176 18.1 15.1 22.7

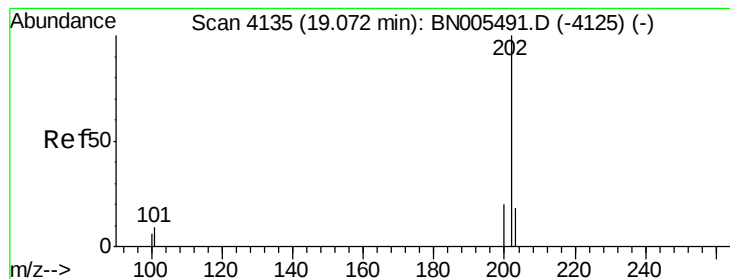


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 3.550 ng/ul

RT: 19.06 min Scan# 4132

Delta R.T. -0.01 min

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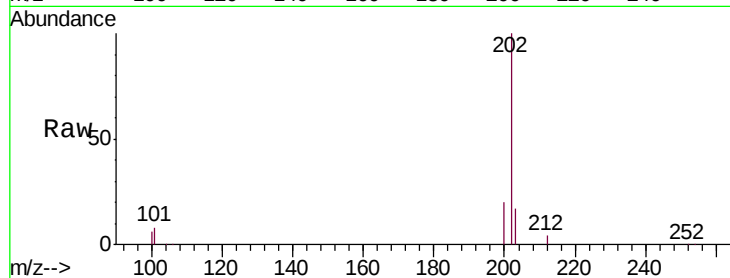
Tgt Ion:202 Resp: 151513

Ion Ratio Lower Upper

202 100

101 8.4 0.0 29.4

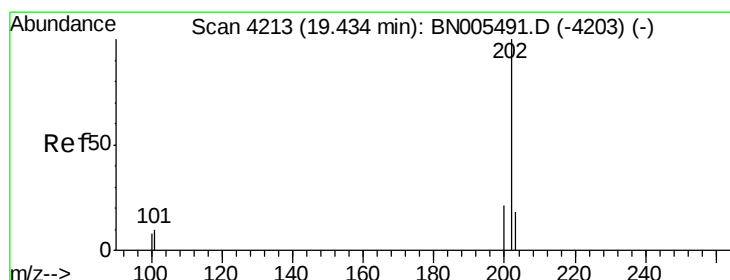
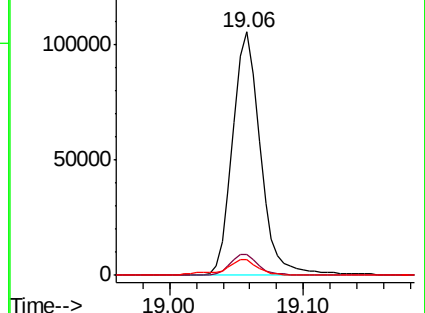
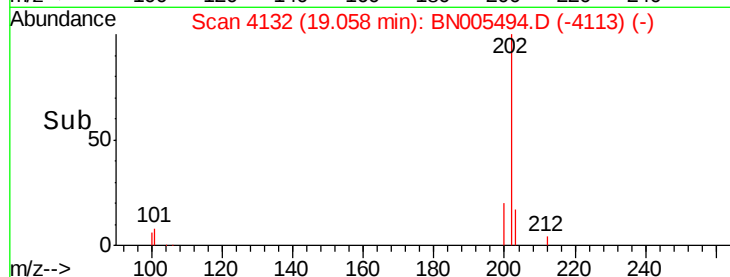
100 6.2 0.0 27.1



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: 2.900 ng/ul

RT: 19.42 min Scan# 4211

Delta R.T. -0.01 min

Lab File: BN005494.D

Acq: 06 May 2019 20:29

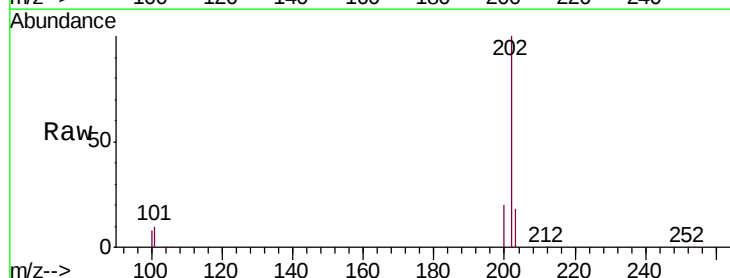
Tgt Ion:202 Resp: 153498

Ion Ratio Lower Upper

202 100

101 9.7 8.5 12.7

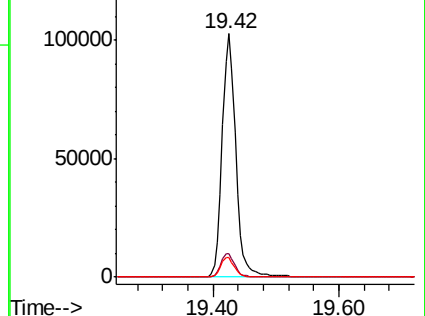
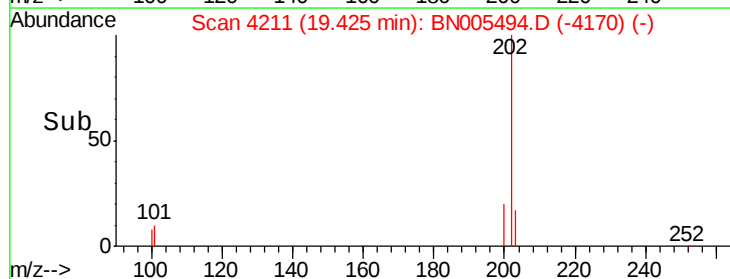
100 7.9 6.9 10.3

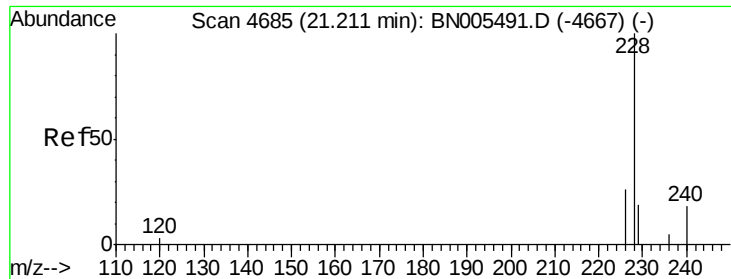


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 3.292 ng/ul

RT: 21.20 min Scan# 4681

Delta R.T. -0.01 min

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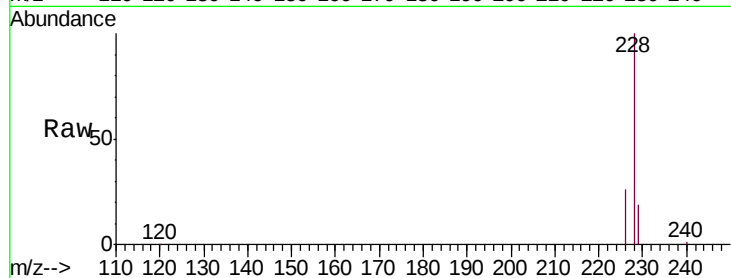
Tgt Ion:228 Resp: 156172

Ion Ratio Lower Upper

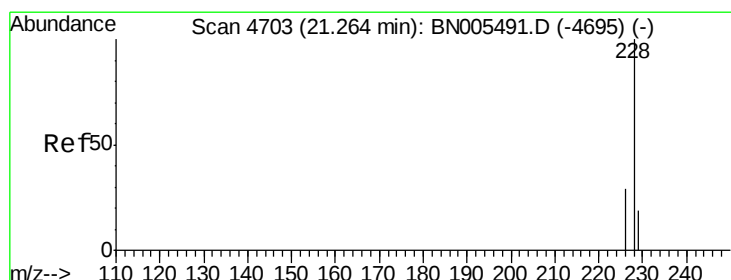
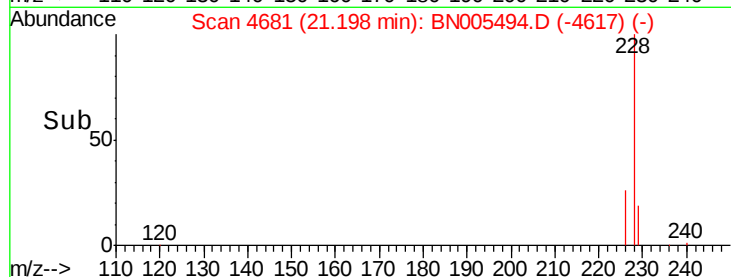
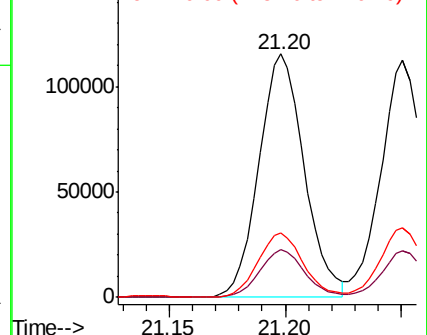
228 100

229 19.5 15.8 23.8

226 26.3 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: 3.150 ng/ul

RT: 21.25 min Scan# 4699

Delta R.T. -0.01 min

Lab File: BN005494.D

Acq: 06 May 2019 20:29

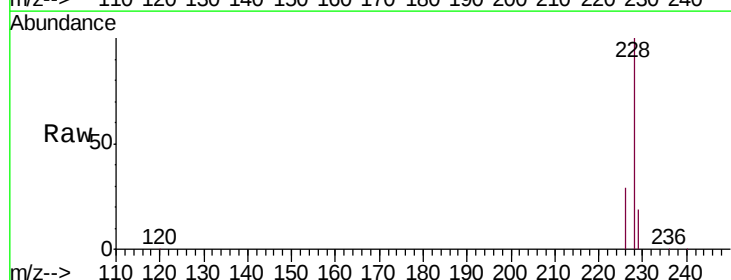
Tgt Ion:228 Resp: 159059

Ion Ratio Lower Upper

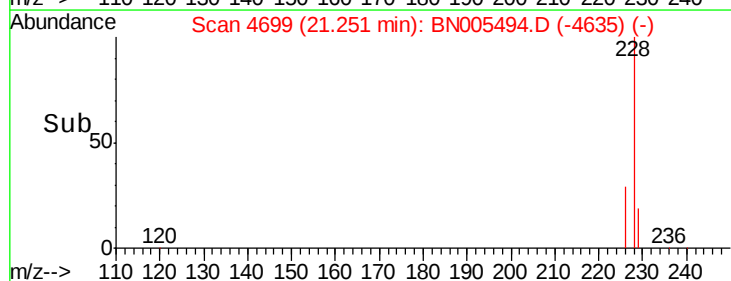
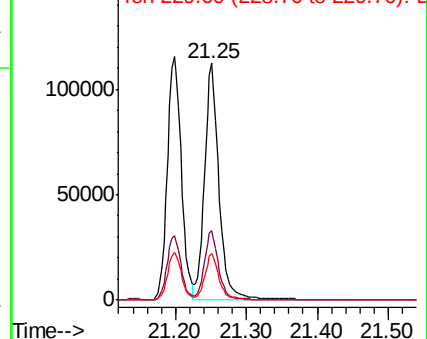
228 100

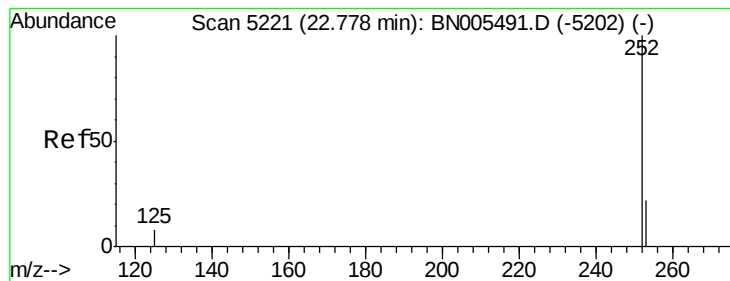
226 29.3 23.2 34.8

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: 3.128 ng/ul

RT: 22.76 min Scan# 5217

Delta R.T. -0.01 min

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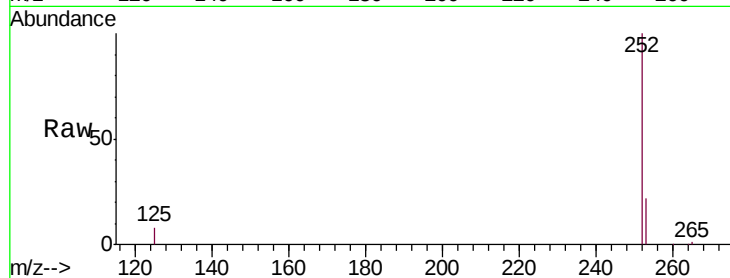
Tgt Ion:252 Resp: 156999

Ion Ratio Lower Upper

252 100

253 21.6 0.0 47.6

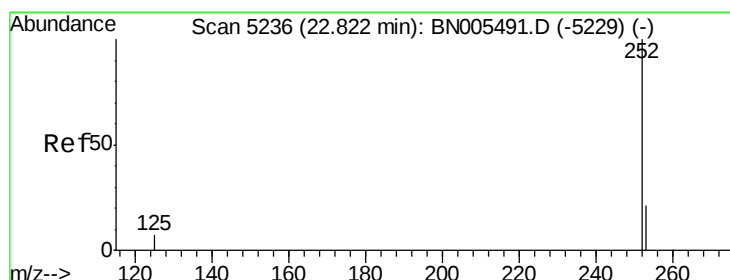
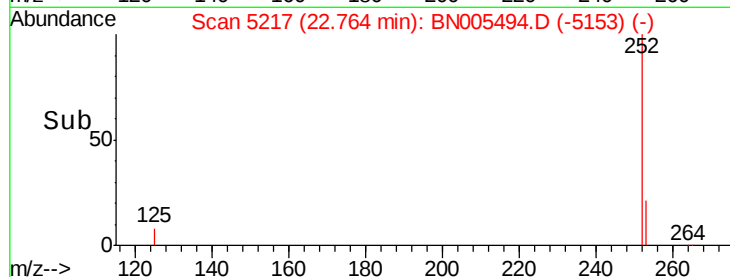
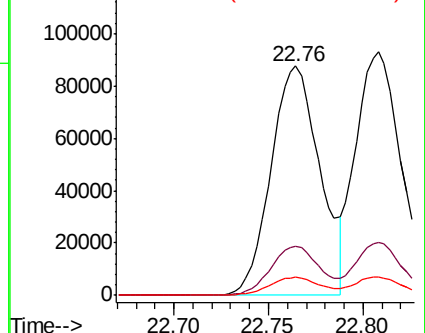
125 7.8 0.0 20.8



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: 3.156 ng/ul

RT: 22.81 min Scan# 5232

Delta R.T. -0.01 min

Lab File: BN005494.D

Acq: 06 May 2019 20:29

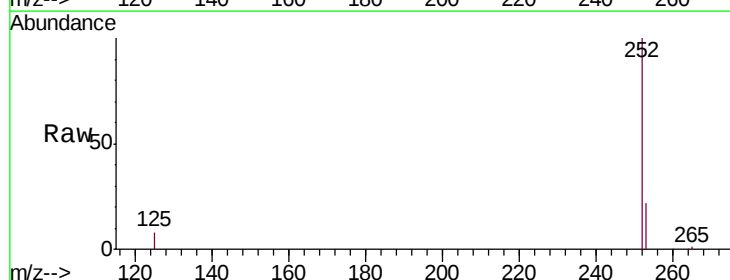
Tgt Ion:252 Resp: 163425

Ion Ratio Lower Upper

252 100

253 21.7 18.8 28.2

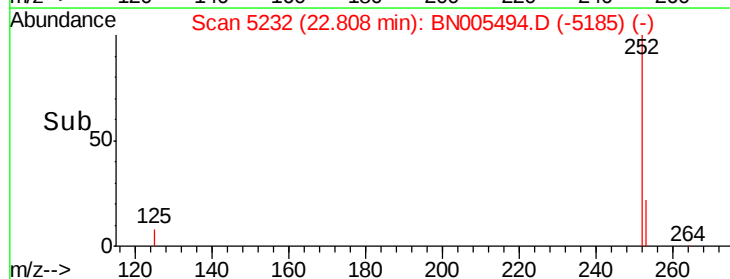
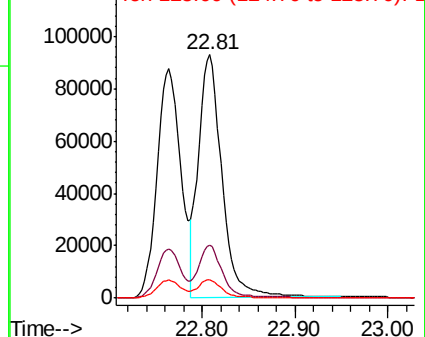
125 7.7 7.6 11.4

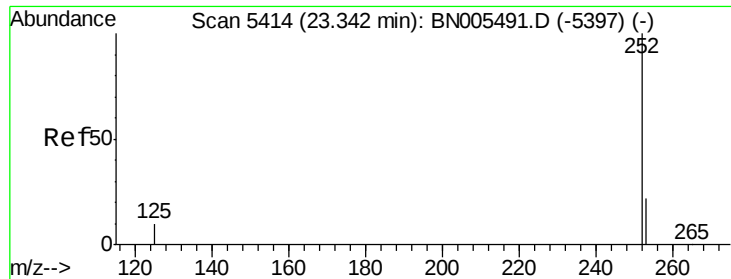


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 3.322 ng/ul

RT: 23.33 min Scan# 5410

Delta R.T. -0.01 min

Lab File: BN005494.D

Acq: 06 May 2019 20:29

Instrument :

BNA_N

ClientSampleId :

SSTD3.263

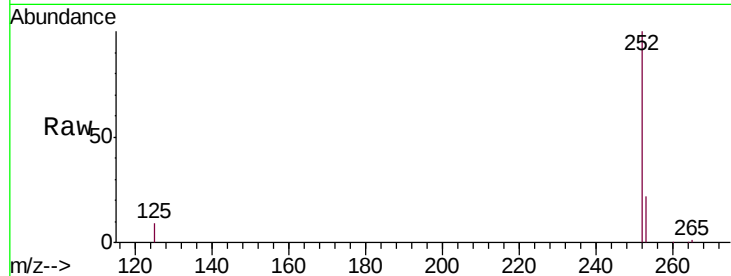
Tgt Ion:252 Resp: 154009

Ion Ratio Lower Upper

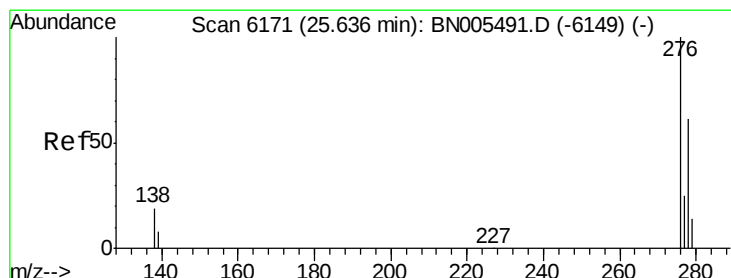
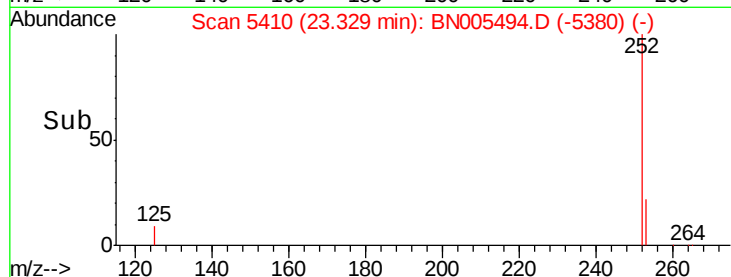
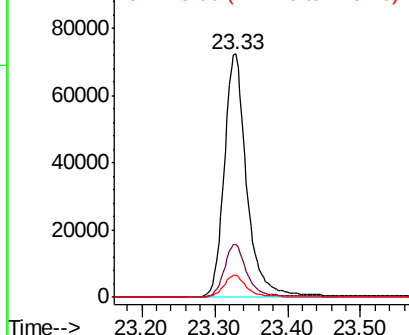
252 100

253 21.8 19.6 29.4

125 8.9 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: 3.352 ng/ul

RT: 25.61 min Scan# 6163

Delta R.T. -0.03 min

Lab File: BN005494.D

Acq: 06 May 2019 20:29

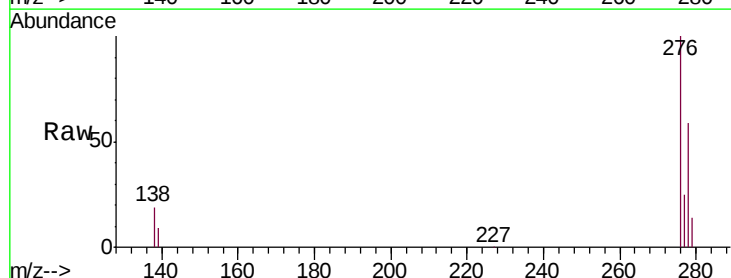
Tgt Ion:276 Resp: 172366

Ion Ratio Lower Upper

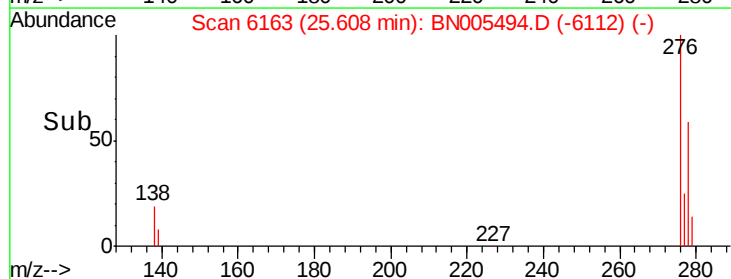
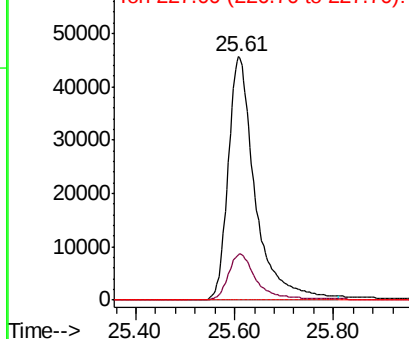
276 100

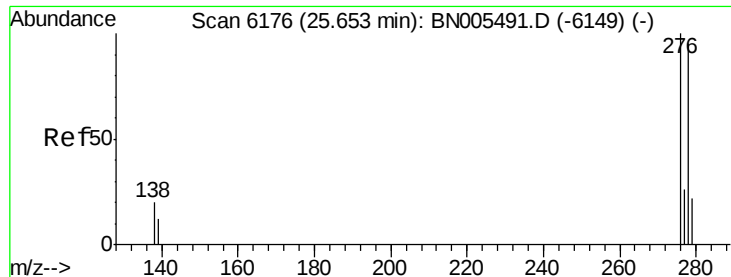
138 19.4 15.8 23.8

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: 3.352 ng/ul

RT: 25.62 min Scan# 6168

Delta R.T. -0.03 min

Lab File: BN005494.D

Acq: 06 May 2019 20:29

Instrument :

BNA_N

ClientSampleId :

SSTD3.263

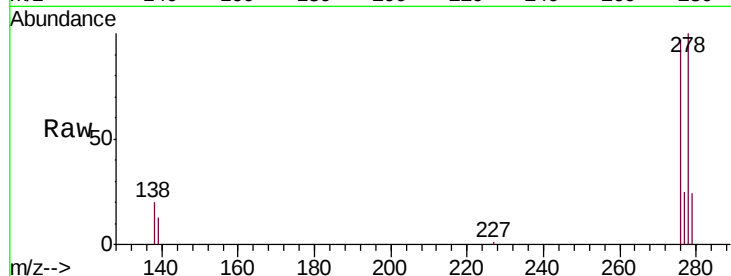
Tgt Ion:278 Resp: 141429

Ion Ratio Lower Upper

278 100

139 13.4 12.4 18.6

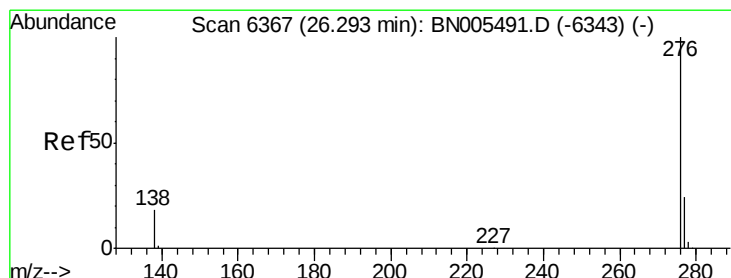
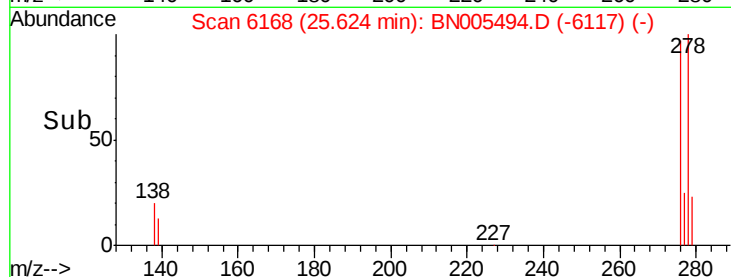
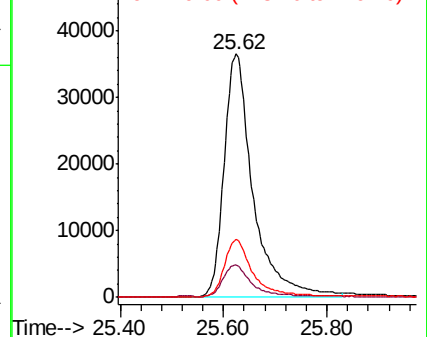
279 23.7 21.0 31.4



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: 3.254 ng/ul

RT: 26.27 min Scan# 6361

Delta R.T. -0.02 min

Lab File: BN005494.D

Acq: 06 May 2019 20:29

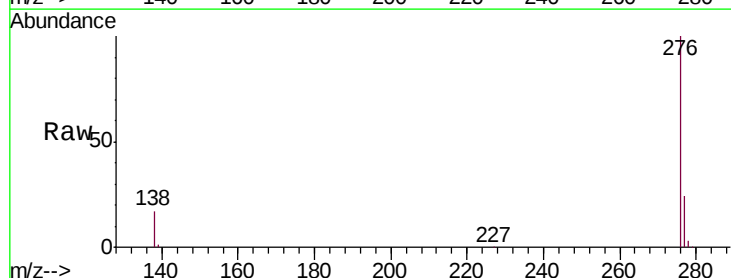
Tgt Ion:276 Resp: 142229

Ion Ratio Lower Upper

276 100

138 16.9 15.6 23.4

277 23.7 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

