

Data File : BN005496.D
Acq On : 06 May 2019 21:38
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.465

Quant Time: May 07 06:50:39 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 03:05:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	1544	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	5960	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	3420	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	8851	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	9666	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	11377	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	3673	0.39	ng/ul	0.02
14) Fluoranthene-d10	19.04	212	10766	0.39	ng/ul	0.00

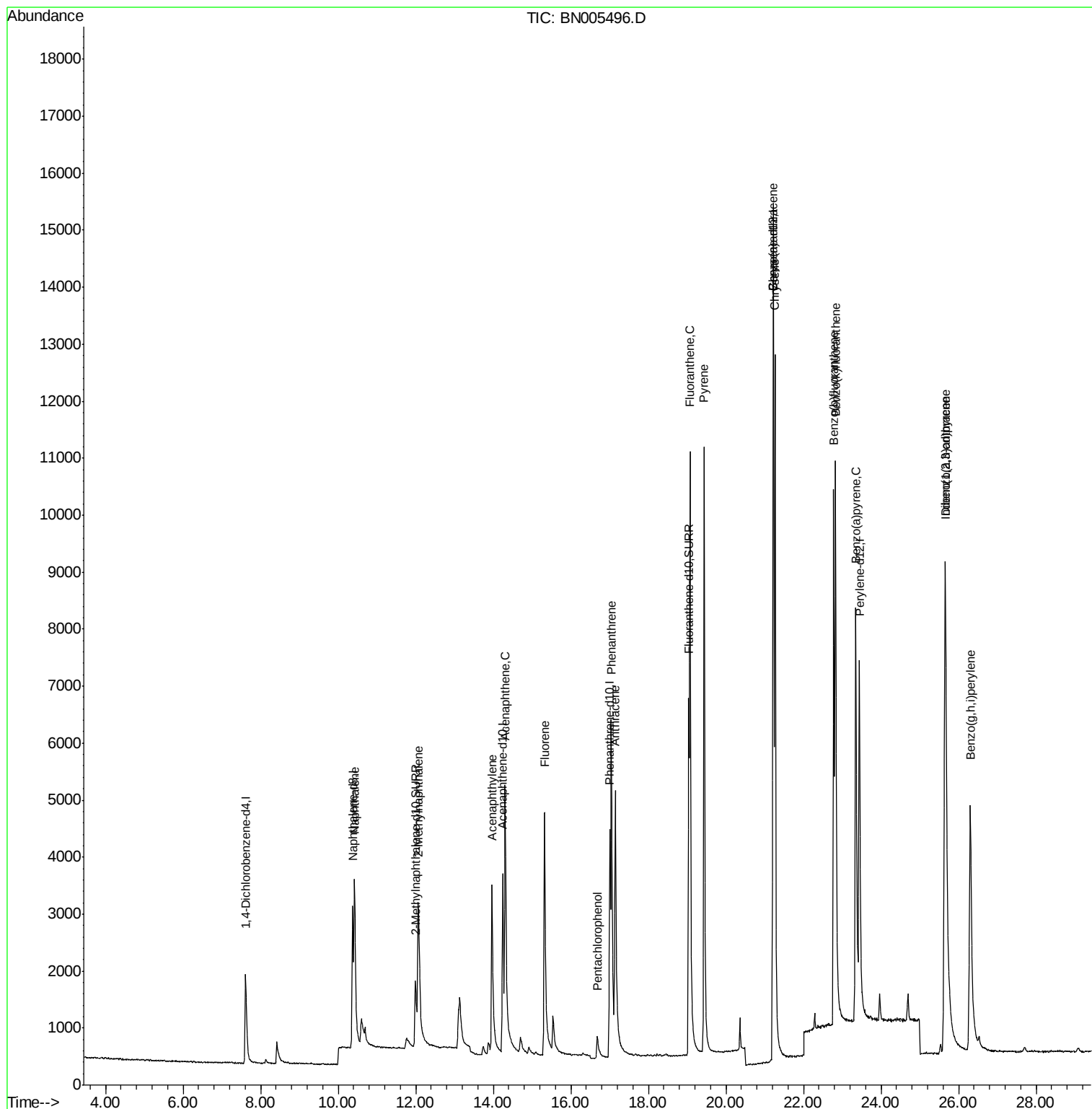
Target Compounds						Qvalue
3) Naphthalene	10.42	128	6195	0.393	ng/ul	99
5) 2-Methylnaphthalene	12.07	142	4196	0.390	ng/ul	99
7) Acenaphthylene	13.96	152	6699	0.389	ng/ul	98
8) Acenaphthene	14.31	153	4755	0.390	ng/ul	97
9) Fluorene	15.32	166	5584	0.392	ng/ul	98
11) Pentachlorophenol	16.68	266	791	0.345	ng/ul#	84
12) Phenanthrene	17.04	178	9226	0.383	ng/ul	100
13) Anthracene	17.15	178	9113	0.379	ng/ul	100
15) Fluoranthene	19.07	202	12925	0.387	ng/ul	100
17) Pyrene	19.44	202	13705	0.384	ng/ul	99
18) Benzo(a)anthracene	21.21	228	13007	0.390	ng/ul	99
19) Chrysene	21.27	228	15857	0.387	ng/ul	99
21) Benzo(b)fluoranthene	22.78	252	13364	0.391	ng/ul	97
22) Benzo(k)fluoranthene	22.83	252	16952	0.395	ng/ul	100
23) Benzo(a)pyrene	23.35	252	15032	0.393	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.65	276	16530	0.387	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.66	278	13661	0.387	ng/ul	98
26) Benzo(g,h,i)perylene	26.31	276	14017	0.384	ng/ul	99

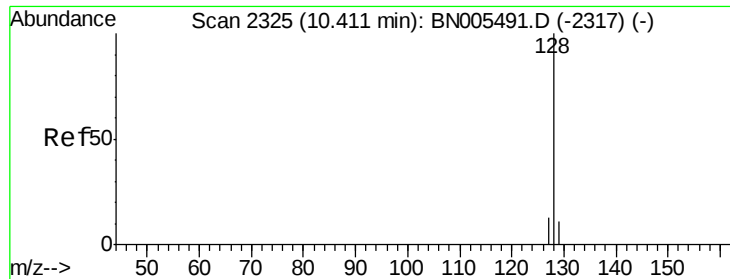
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.393 ng/ul

RT: 10.42 min Scan# 2327

Delta R.T. 0.01 min

Lab File: BN005496.D

Acq: 06 May 2019 21:38

Instrument :

BNA_N

ClientSampleId :

SSTD0.465

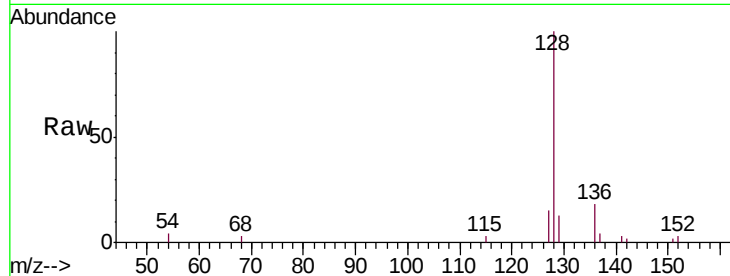
Tgt Ion:128 Resp: 6195

Ion Ratio Lower Upper

128 100

129 12.7 10.2 15.2

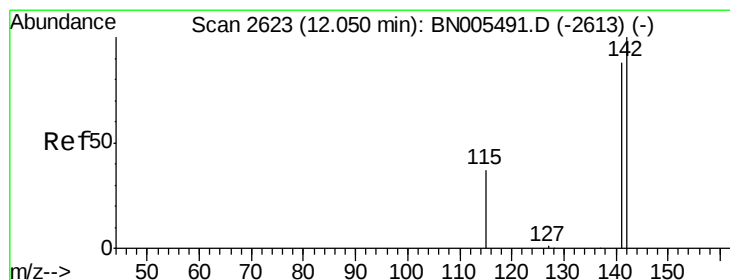
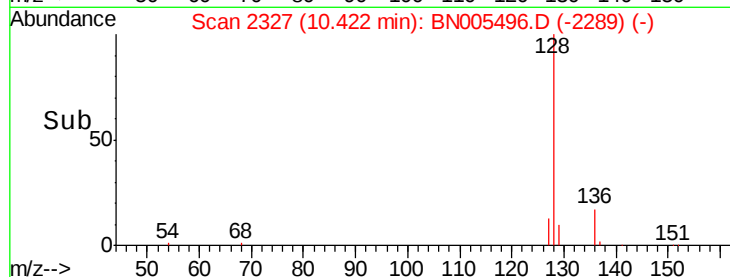
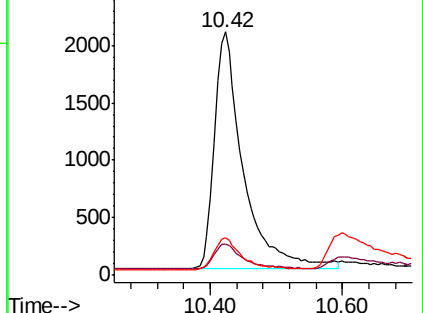
127 15.2 11.8 17.8



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: 0.390 ng/ul

RT: 12.07 min Scan# 2626

Delta R.T. 0.02 min

Lab File: BN005496.D

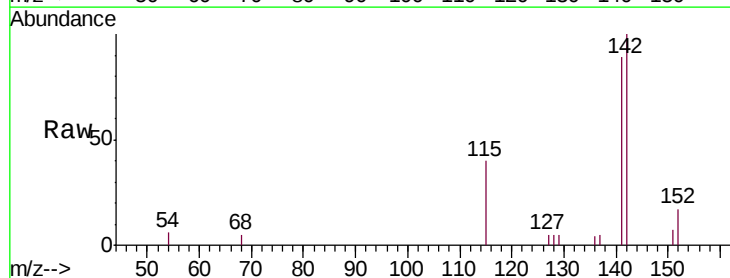
Acq: 06 May 2019 21:38

Tgt Ion:142 Resp: 4196

Ion Ratio Lower Upper

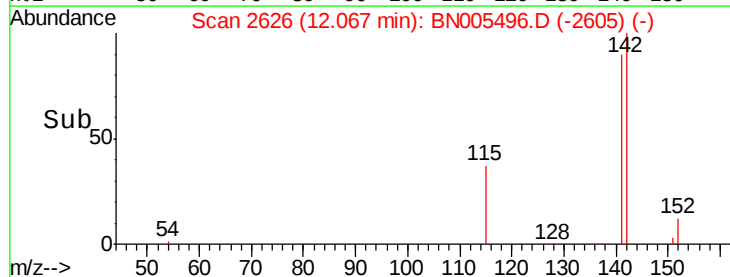
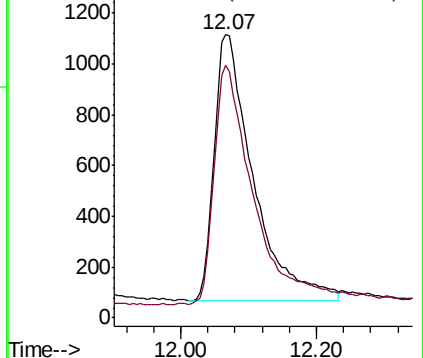
142 100

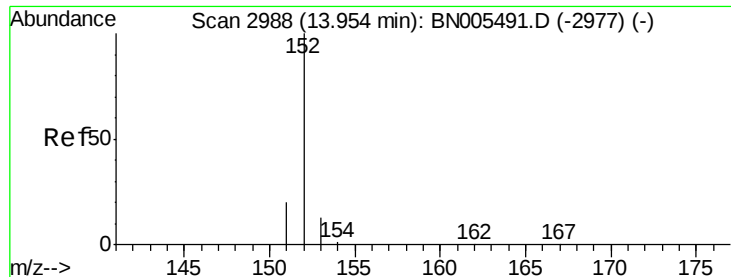
141 91.2 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.389 ng/ul

RT: 13.96 min Scan# 2990

Delta R.T. 0.01 min

Lab File: BN005496.D

Acq: 06 May 2019 21:38

Instrument :

BNA_N

ClientSampleId :

SSTD0.465

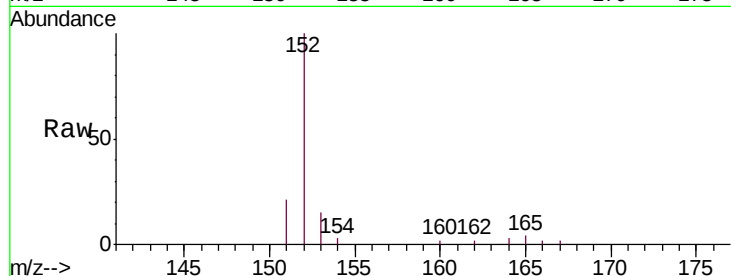
Tgt Ion:152 Resp: 6699

Ion Ratio Lower Upper

152 100

151 21.4 16.7 25.1

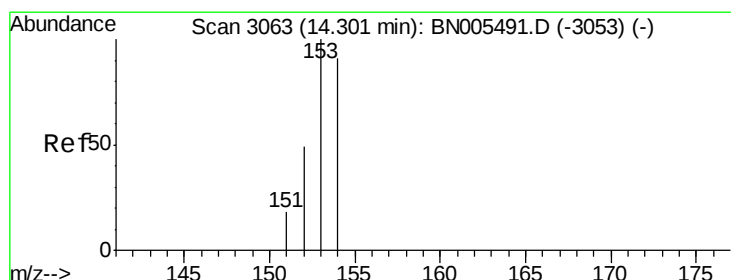
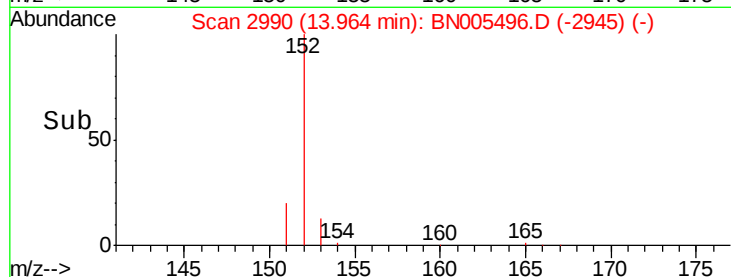
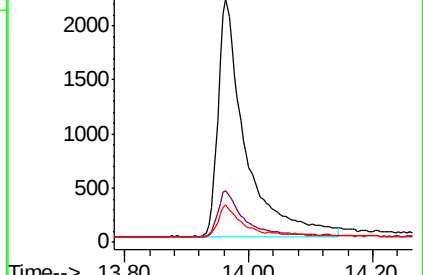
153 15.5 11.6 17.4



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: 0.390 ng/ul

RT: 14.31 min Scan# 3064

Delta R.T. 0.00 min

Lab File: BN005496.D

Acq: 06 May 2019 21:38

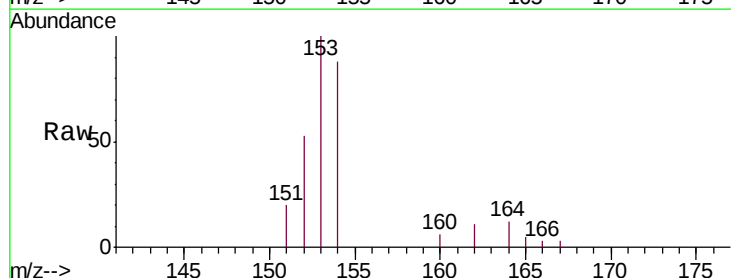
Tgt Ion:153 Resp: 4755

Ion Ratio Lower Upper

153 100

152 53.0 40.8 61.2

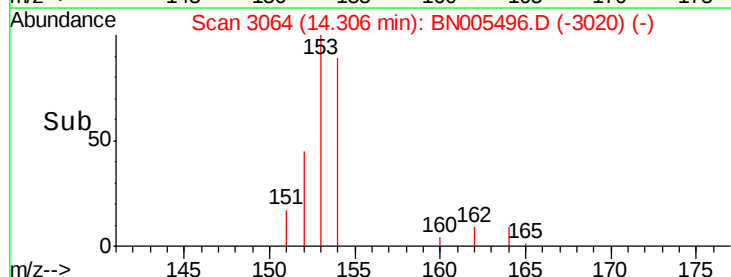
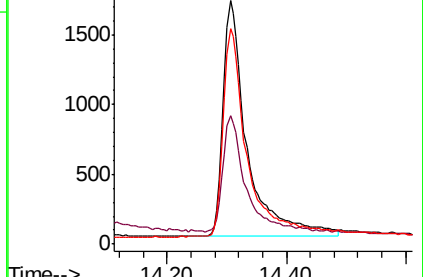
154 88.3 73.2 109.8

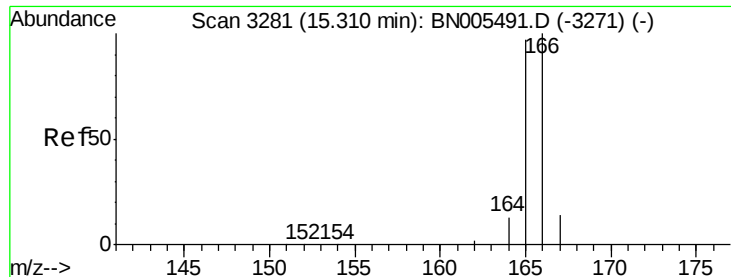


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.392 ng/ul

RT: 15.32 min Scan# 3283

Delta R.T. 0.01 min

Lab File: BN005496.D

Acq: 06 May 2019 21:38

Instrument :

BNA_N

ClientSampleId :

SSTD0.465

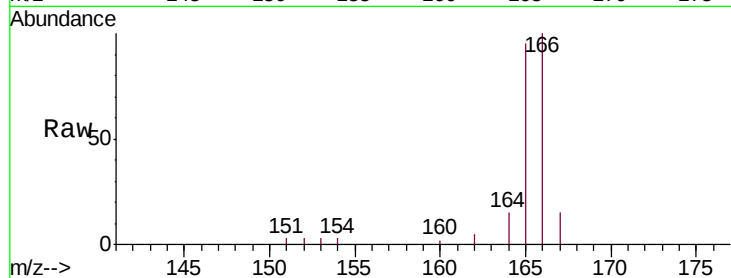
Tgt Ion:166 Resp: 5584

Ion Ratio Lower Upper

166 100

165 95.5 78.0 117.0

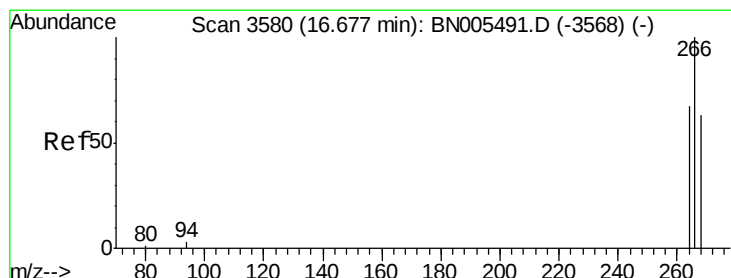
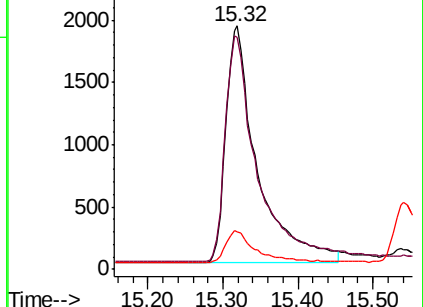
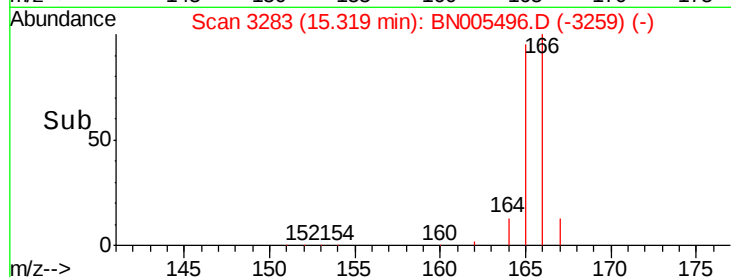
167 15.5 12.2 18.4



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: 0.345 ng/ul

RT: 16.68 min Scan# 3580

Delta R.T. 0.00 min

Lab File: BN005496.D

Acq: 06 May 2019 21:38

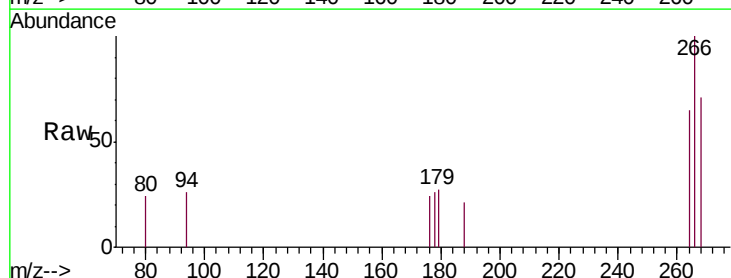
Tgt Ion:266 Resp: 791

Ion Ratio Lower Upper

266 100

264 58.0 55.3 82.9

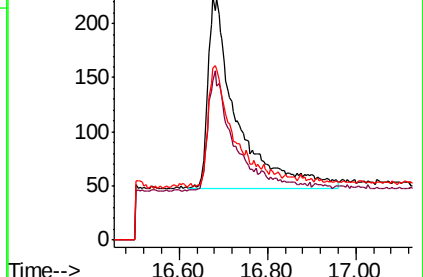
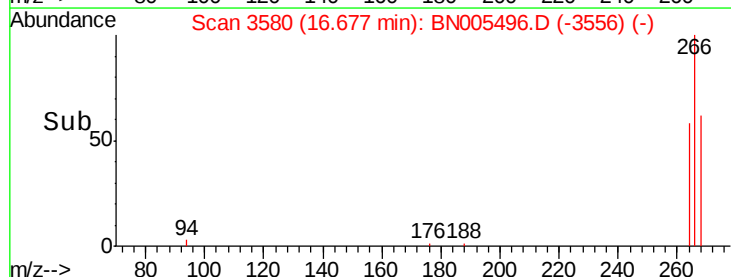
268 56.4 56.7 85.1#

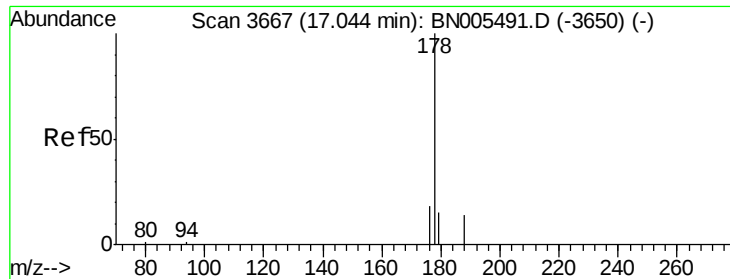


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.383 ng/ul

RT: 17.04 min Scan# 3667

Delta R.T. 0.00 min

Lab File: BN005496.D

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SSTD0.465

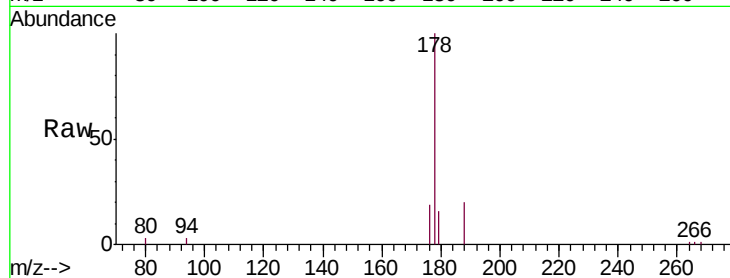
Tgt Ion:178 Resp: 9226

Ion Ratio Lower Upper

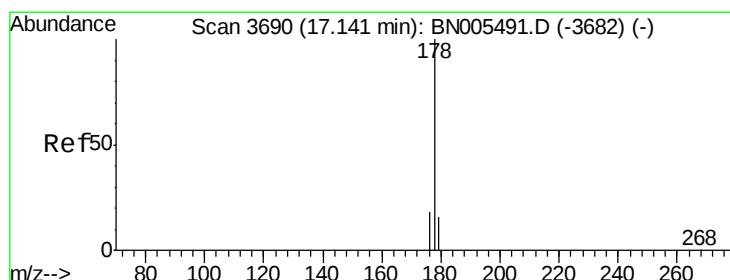
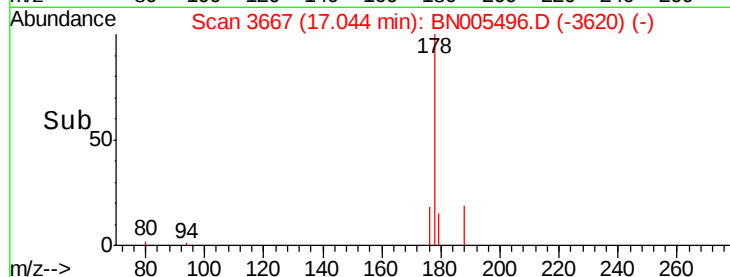
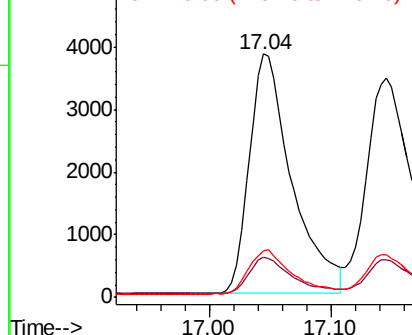
178 100

179 16.3 12.8 19.2

176 19.2 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: 0.379 ng/ul

RT: 17.15 min Scan# 3691

Delta R.T. 0.00 min

Lab File: BN005496.D

Acq: 06 May 2019 21:38

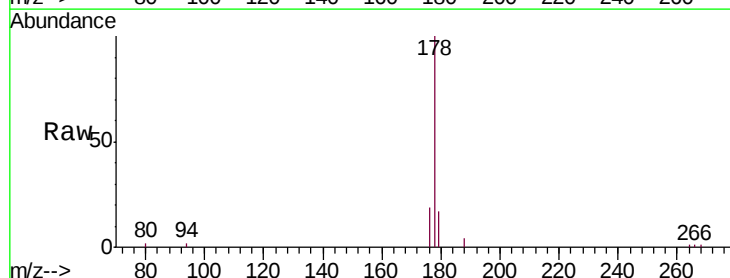
Tgt Ion:178 Resp: 9113

Ion Ratio Lower Upper

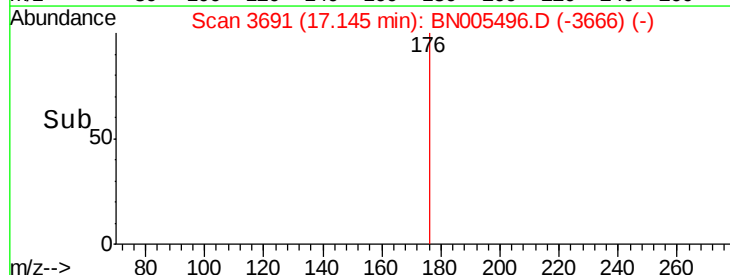
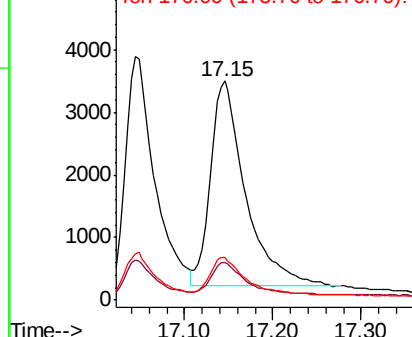
178 100

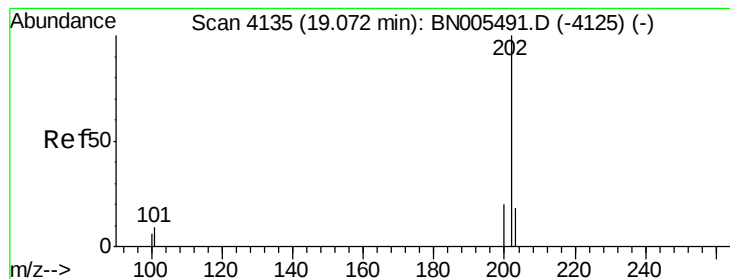
179 16.9 13.4 20.2

176 19.2 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: 0.387 ng/ul

RT: 19.07 min Scan# 4135

Delta R.T. 0.00 min

Lab File: BN005496.D

Acq: 06 May 2019 21:38

Instrument :

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ClientSampleId :

SSTD0.465

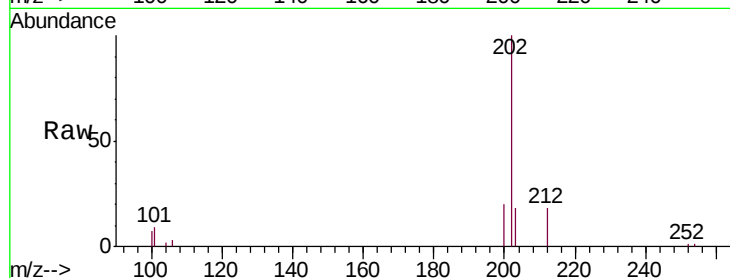
Tgt Ion:202 Resp: 12925

Ion Ratio Lower Upper

202 100

101 9.3 0.0 29.4

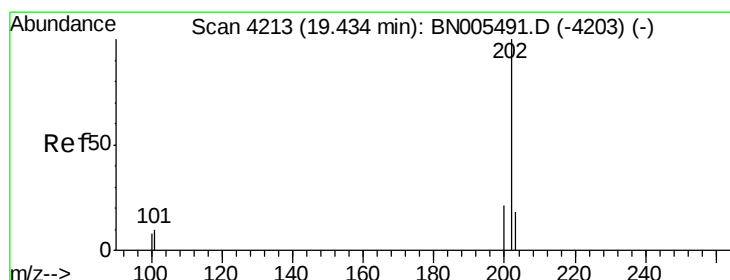
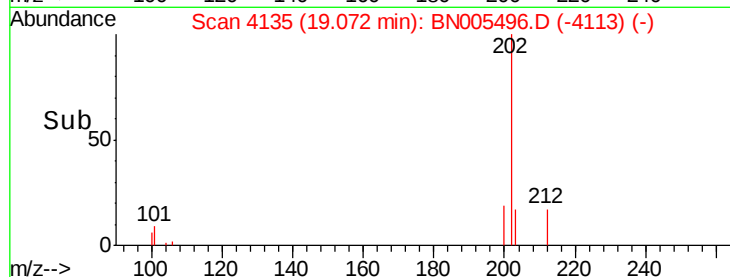
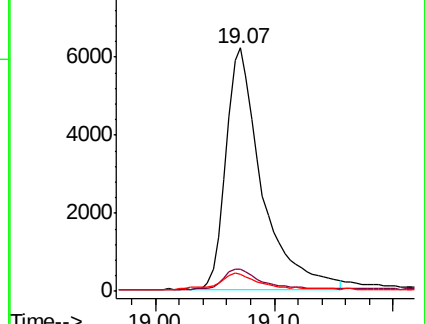
100 7.0 0.0 27.1



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: 0.384 ng/ul

RT: 19.44 min Scan# 4214

Delta R.T. 0.00 min

Lab File: BN005496.D

Acq: 06 May 2019 21:38

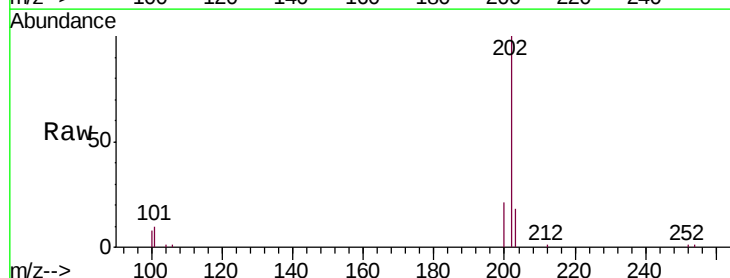
Tgt Ion:202 Resp: 13705

Ion Ratio Lower Upper

202 100

101 10.2 8.5 12.7

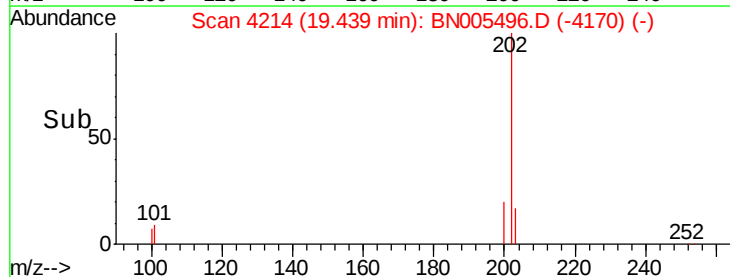
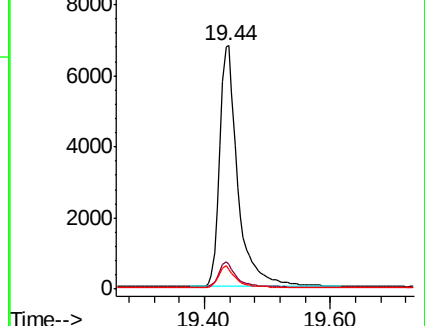
100 8.1 6.9 10.3

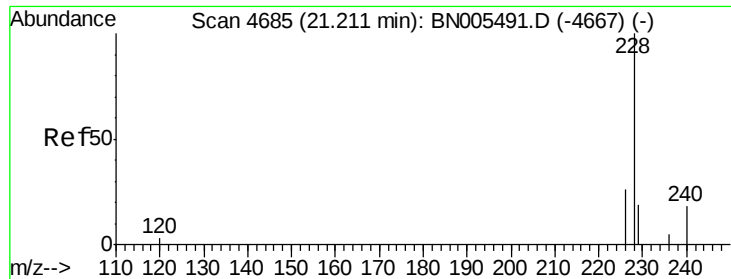


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.390 ng/ul

RT: 21.21 min Scan# 4686

Delta R.T. 0.00 min

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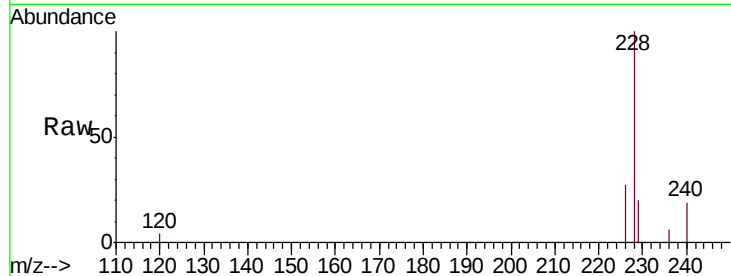
Tgt Ion:228 Resp: 13007

Ion Ratio Lower Upper

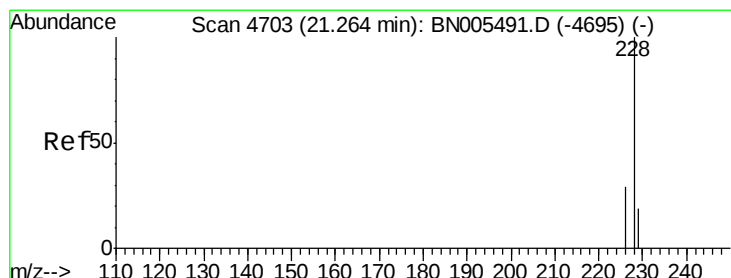
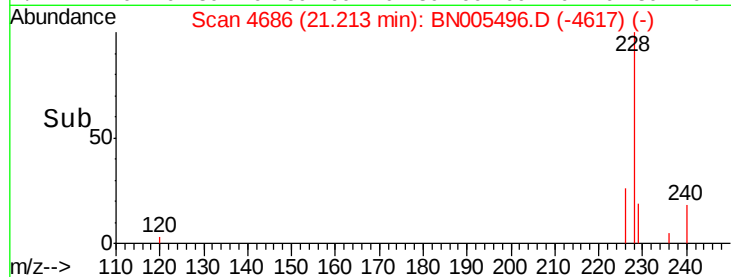
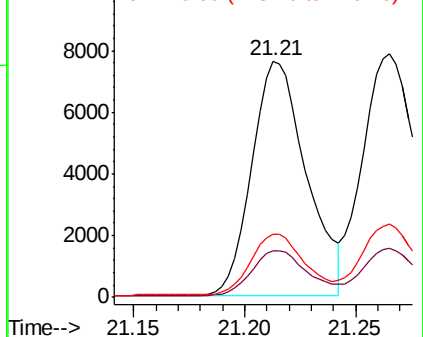
228 100

229 19.5 15.8 23.8

226 26.7 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: 0.387 ng/ul

RT: 21.27 min Scan# 4704

Delta R.T. 0.00 min

Lab File: BN005496.D

Acq: 06 May 2019 21:38

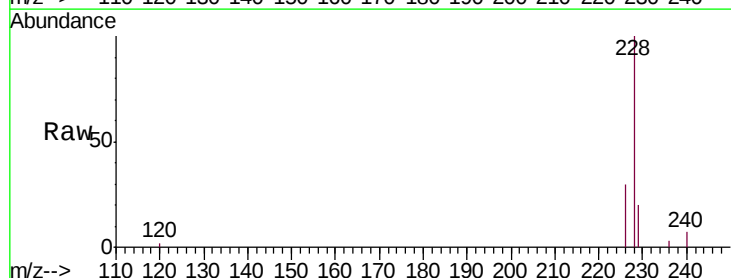
Tgt Ion:228 Resp: 15857

Ion Ratio Lower Upper

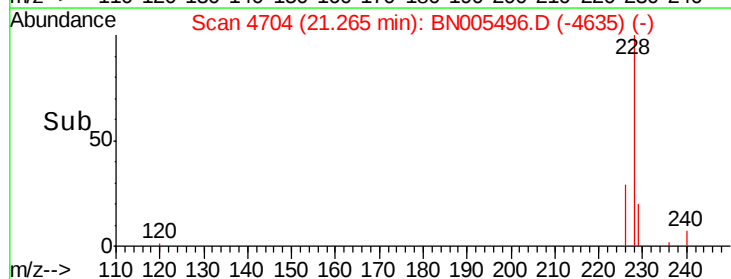
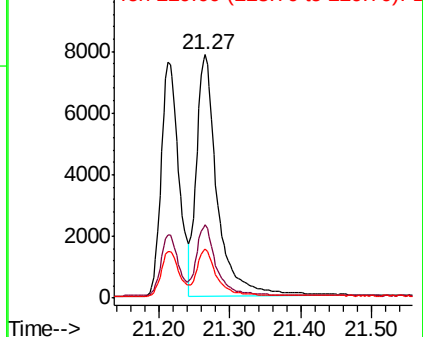
228 100

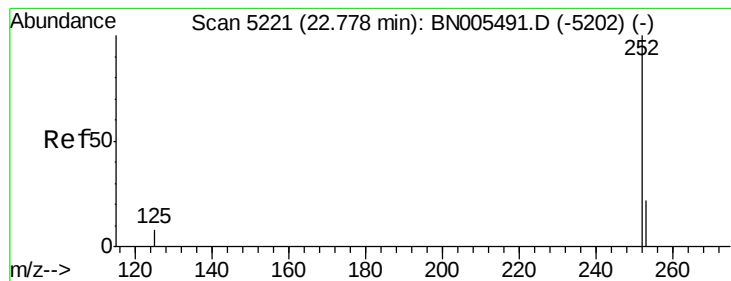
226 30.0 23.2 34.8

229 20.2 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: 0.391 ng/ul

RT: 22.78 min Scan# 5224

Delta R.T. 0.01 min

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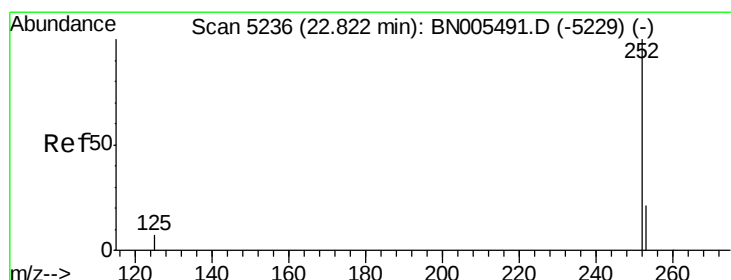
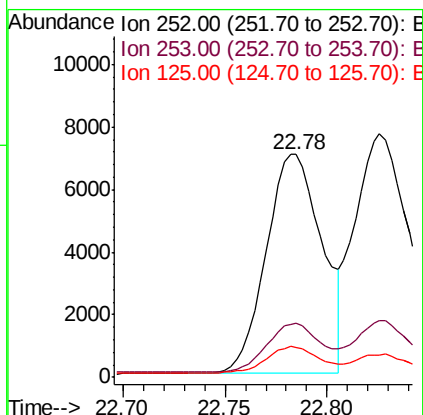
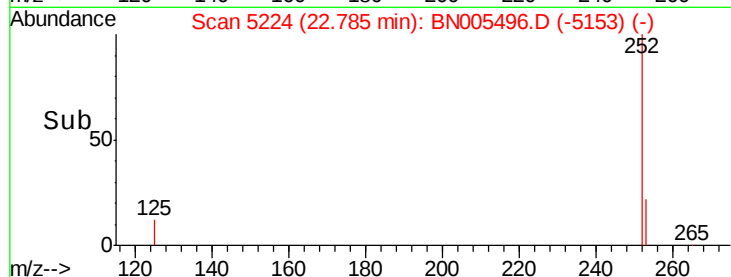
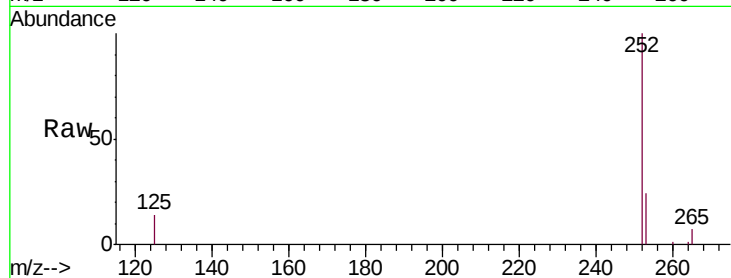
Tgt Ion:252 Resp: 13364

Ion Ratio Lower Upper

252 100

253 24.3 0.0 47.6

125 13.5 0.0 20.8



#22

Benzo(k)fluoranthene

Concen: 0.395 ng/ul

RT: 22.83 min Scan# 5238

Delta R.T. 0.00 min

Lab File: BN005496.D

Acq: 06 May 2019 21:38

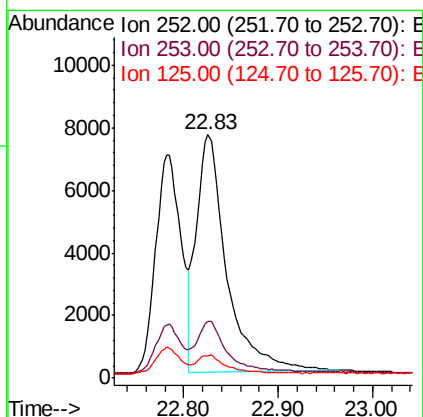
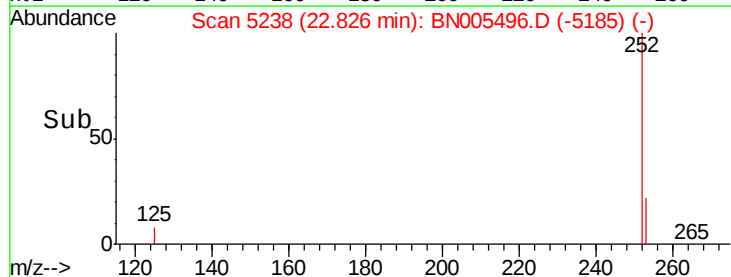
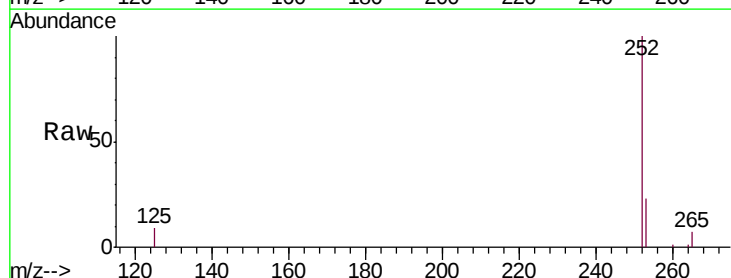
Tgt Ion:252 Resp: 16952

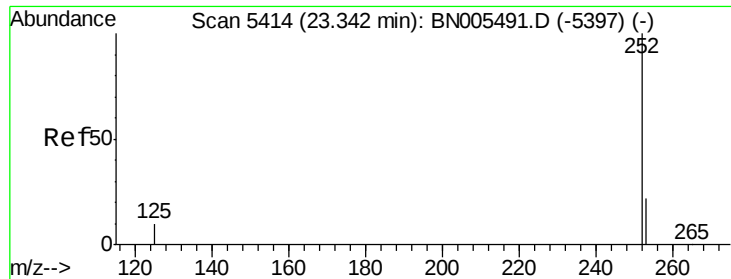
Ion Ratio Lower Upper

252 100

253 23.3 18.8 28.2

125 9.3 7.6 11.4





#23

Benzo(a)pyrene

Concen: 0.393 ng/u1

RT: 23.35 min Scan# 5417

Delta R.T. 0.01 min

Lab File: BN005496.D

Acq: 06 May 2019 21:38

Instrument :

BNA_N

ClientSampleId :

SSTD0.465

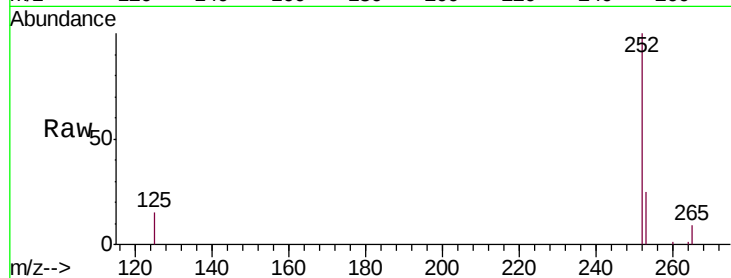
Tgt Ion:252 Resp: 15032

Ion Ratio Lower Upper

252 100

253 25.1 19.6 29.4

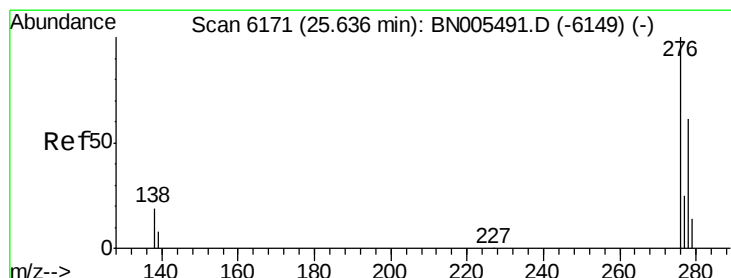
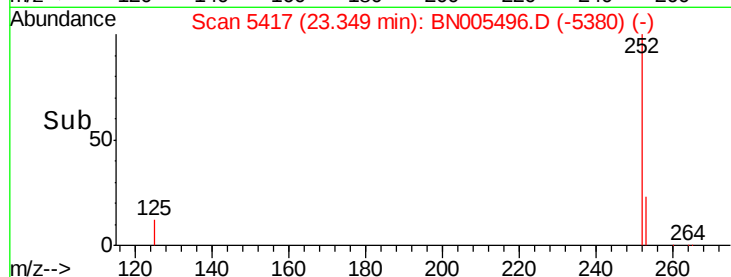
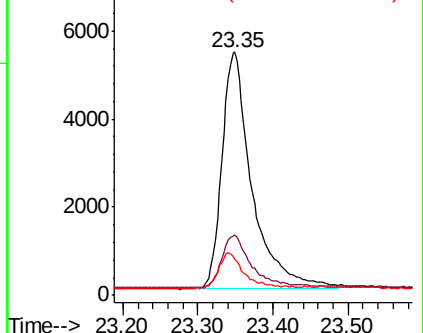
125 14.8 10.1 15.1



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: 0.387 ng/u1

RT: 25.65 min Scan# 6175

Delta R.T. 0.01 min

Lab File: BN005496.D

Acq: 06 May 2019 21:38

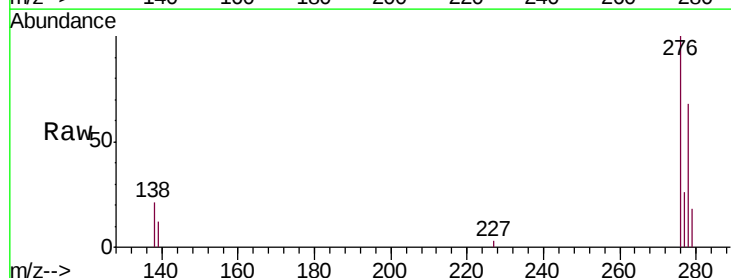
Tgt Ion:276 Resp: 16530

Ion Ratio Lower Upper

276 100

138 19.5 15.8 23.8

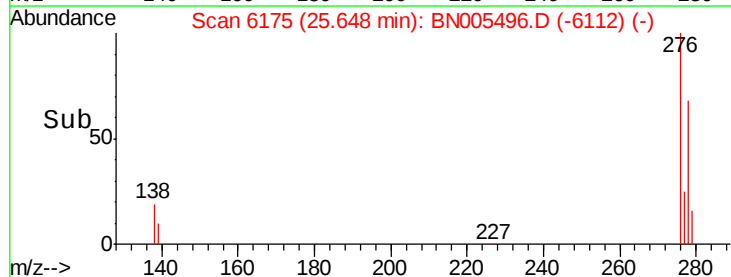
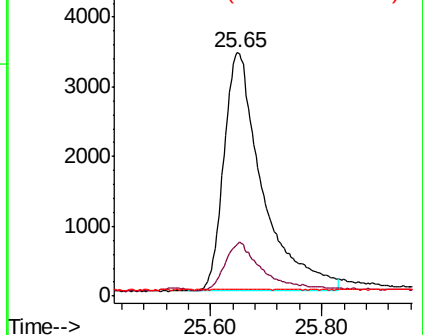
227 0.0 0.1 0.1#

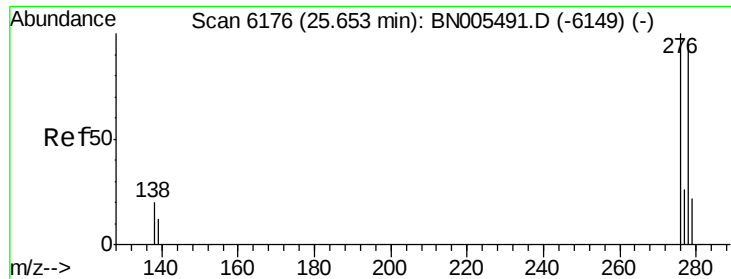


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

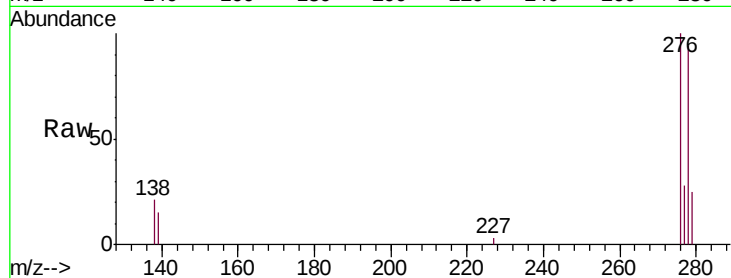




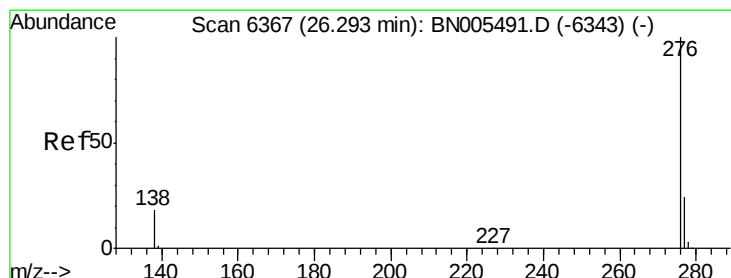
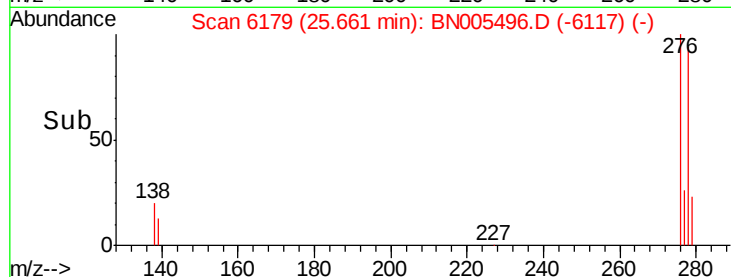
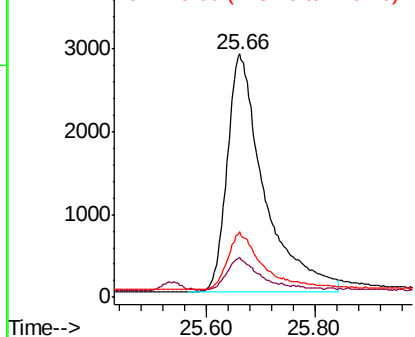
#25
Dibenzo(a,h)anthracene
Concen: 0.387 ng/ul
RT: 25.66 min Scan# 6179
Delta R.T. 0.01 min
Lab File: BN005496.D
Acq: 06 May 2019 21:38

Instrument :
BNA_N
ClientSampleId :
SSTD0.465

Tgt Ion: 278 Resp: 13661
Ion Ratio Lower Upper
278 100
139 16.3 12.4 18.6
279 26.9 21.0 31.4

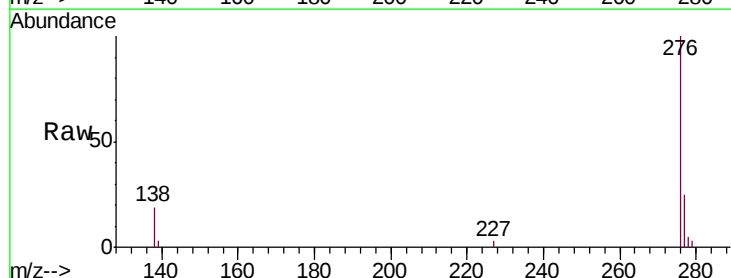


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.384 ng/ul
RT: 26.31 min Scan# 6371
Delta R.T. 0.01 min
Lab File: BN005496.D
Acq: 06 May 2019 21:38

Tgt Ion: 276 Resp: 14017
Ion Ratio Lower Upper
276 100
138 19.4 15.6 23.4
277 25.3 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

