

Data File : BN005513.D
Acq On : 07 May 2019 07:23
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.466

Quant Time: May 07 08:08:50 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 07:04:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	2065	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	7934	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.24	164	4679	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	11750	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	12703	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	14255	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	4970	0.40	ng/ul	-0.02
14) Fluoranthene-d10	19.03	212	14412	0.39	ng/ul	0.00

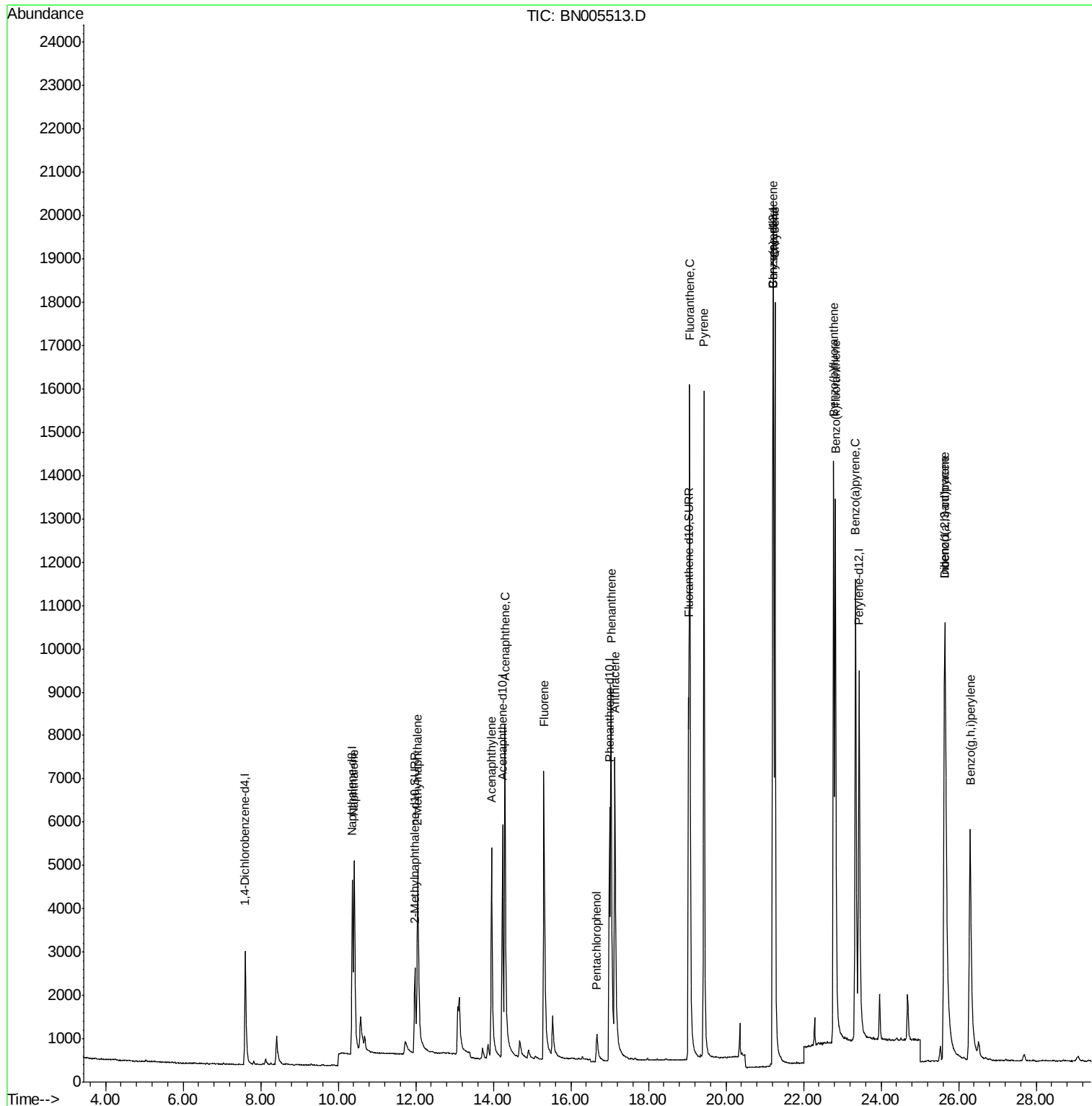
Target Compounds						Qvalue
3) Naphthalene	10.41	128	8187	0.390	ng/ul	99
5) 2-Methylnaphthalene	12.05	142	5720	0.399	ng/ul	100
7) Acenaphthylene	13.95	152	9053	0.384	ng/ul	98
8) Acenaphthene	14.30	153	6473	0.388	ng/ul	98
9) Fluorene	15.31	166	7545	0.387	ng/ul	99
11) Pentachlorophenol	16.67	266	1026	0.337	ng/ul	94
12) Phenanthrene	17.04	178	12534	0.392	ng/ul	99
13) Anthracene	17.13	178	12600	0.395	ng/ul	99
15) Fluoranthene	19.06	202	17275	0.390	ng/ul	100
17) Pyrene	19.43	202	18072	0.385	ng/ul	99
18) Benzo(a)anthracene	21.21	228	17263	0.394	ng/ul	100
19) Chrysene	21.26	228	20173	0.375	ng/ul	99
21) Benzo(b)fluoranthene	22.78	252	17881	0.417	ng/ul	94
22) Benzo(k)fluoranthene	22.82	252	21472	0.400	ng/ul	99
23) Benzo(a)pyrene	23.34	252	19269	0.402	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.64	276	19505	0.364	ng/ul	100
25) Dibenzo(a,h)anthracene	25.65	278	16116	0.364	ng/ul	98
26) Benzo(g,h,i)perylene	26.30	276	16013	0.351	ng/ul	98

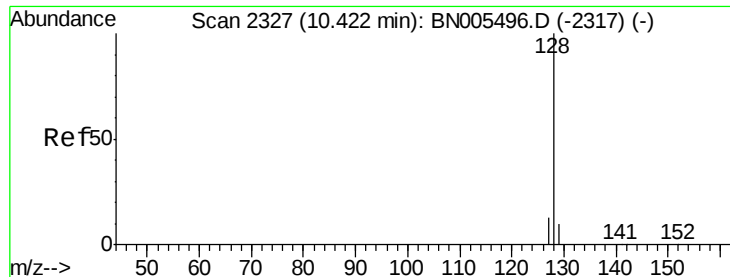
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.390 ng/ul

RT: 10.41 min Scan# 2325

Delta R.T. -0.01 min

Lab File: BN005513.D

Acq: 07 May 2019 07:23

Instrument :

BNA_N

ClientSampleId :

SSTD0.466

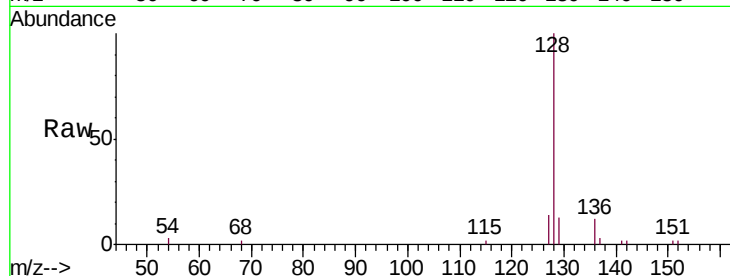
Tgt Ion:128 Resp: 8187

Ion Ratio Lower Upper

128 100

129 12.7 10.2 15.2

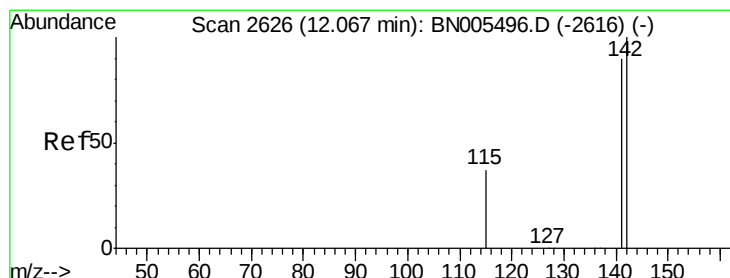
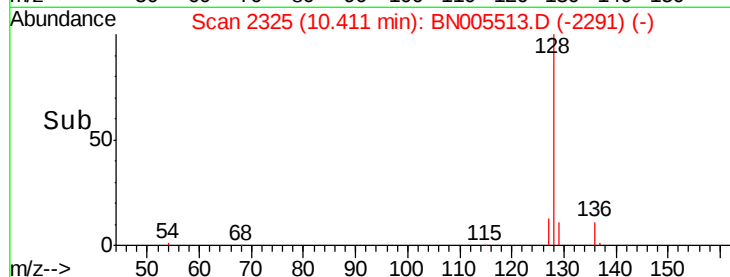
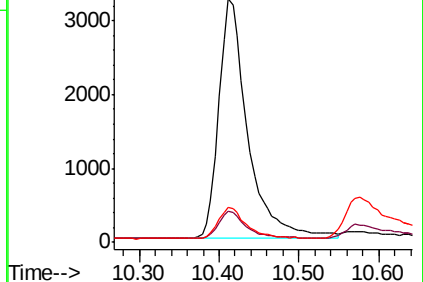
127 14.1 11.8 17.8



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: 0.399 ng/ul

RT: 12.05 min Scan# 2623

Delta R.T. -0.02 min

Lab File: BN005513.D

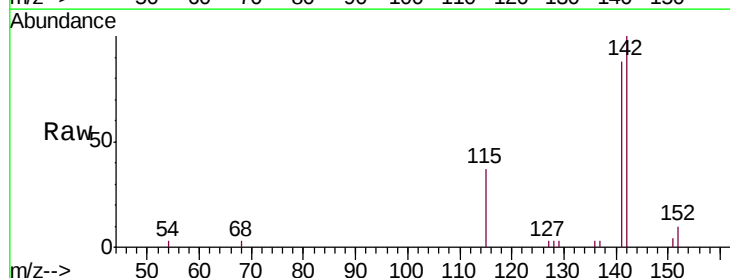
Acq: 07 May 2019 07:23

Tgt Ion:142 Resp: 5720

Ion Ratio Lower Upper

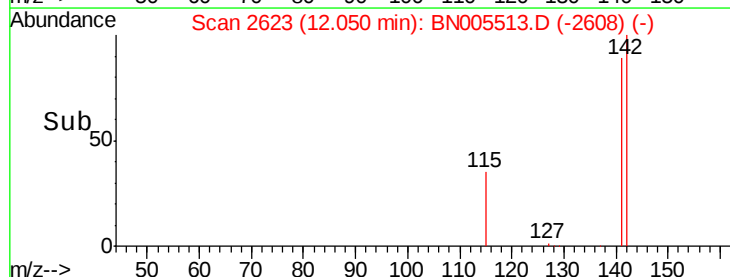
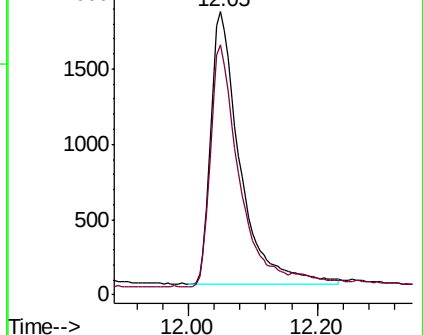
142 100

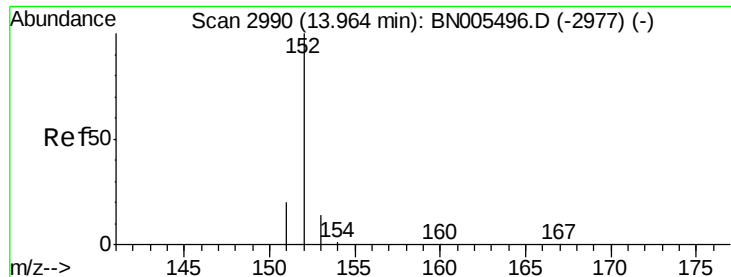
141 90.3 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.384 ng/ul

RT: 13.95 min Scan# 2988

Delta R.T. -0.01 min

Lab File: BN005513.D

Acq: 07 May 2019 07:23

Instrument :

BNA_N

ClientSampleId :

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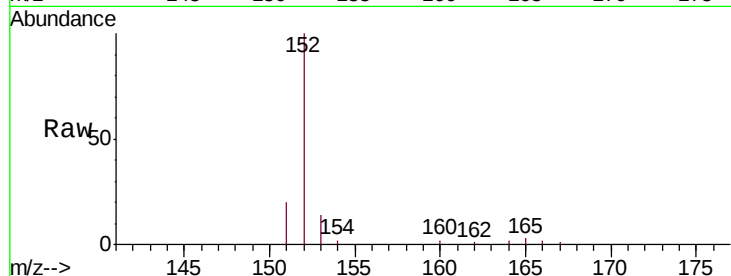
Tgt Ion:152 Resp: 9053

Ion Ratio Lower Upper

152 100

151 19.8 16.7 25.1

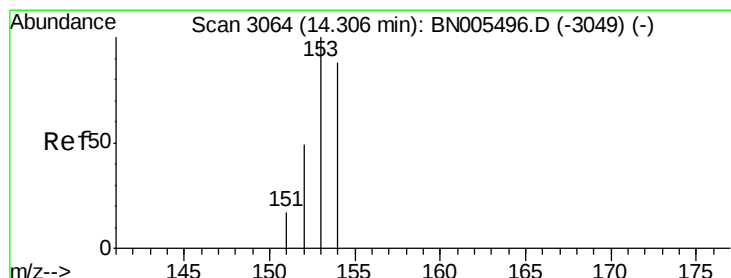
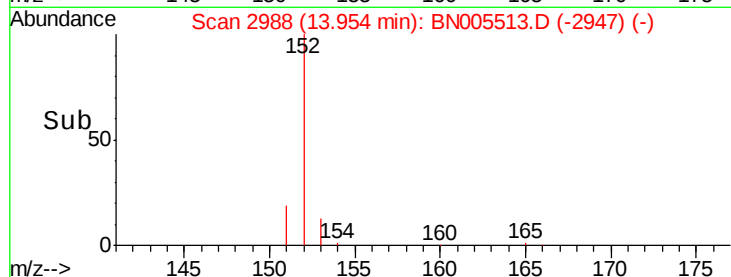
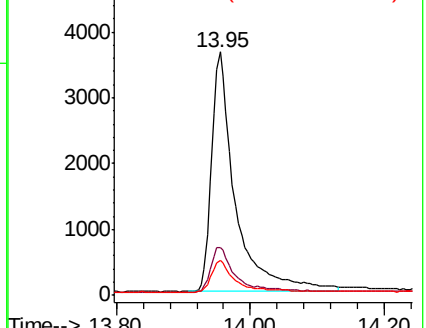
153 14.2 11.6 17.4



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: 0.388 ng/ul

RT: 14.30 min Scan# 3062

Delta R.T. -0.01 min

Lab File: BN005513.D

Acq: 07 May 2019 07:23

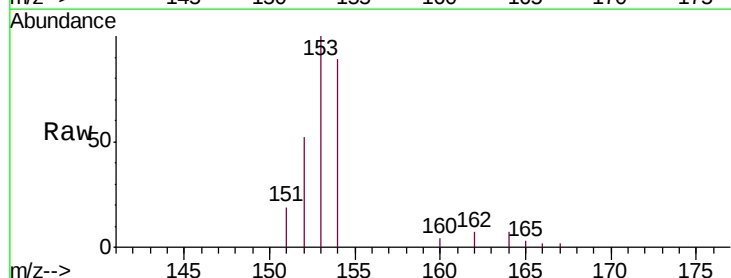
Tgt Ion:153 Resp: 6473

Ion Ratio Lower Upper

153 100

152 51.8 40.8 61.2

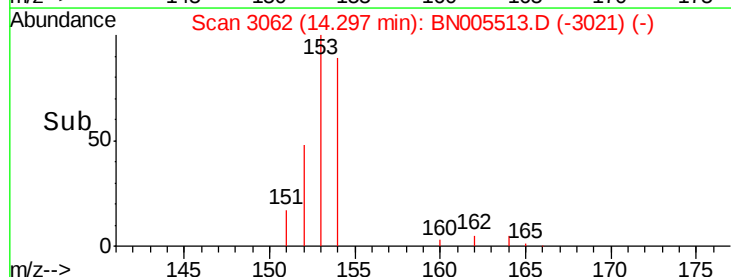
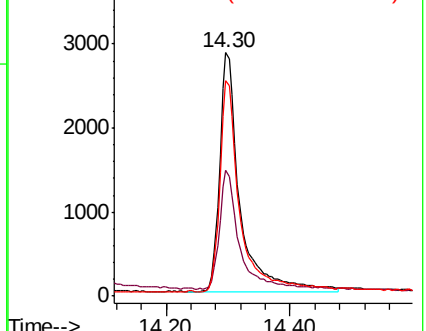
154 88.5 73.2 109.8

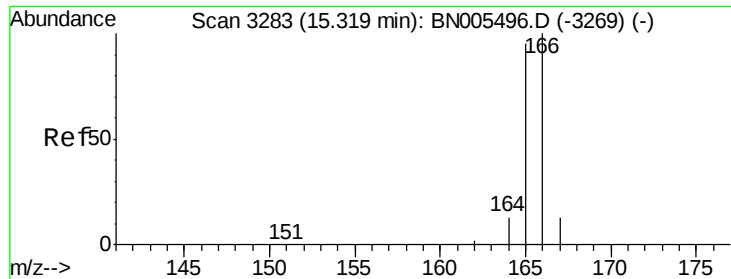


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.387 ng/ul

RT: 15.31 min Scan# 3280

Delta R.T. -0.01 min

Lab File: BN005513.D

Acq: 07 May 2019 07:23

Instrument :

BNA_N

ClientSampleId :

SSTD0.466

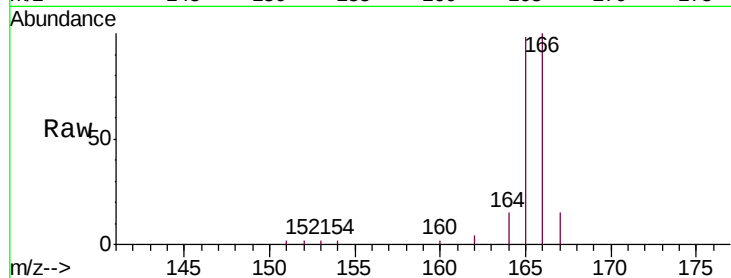
Tgt Ion:166 Resp: 7545

Ion Ratio Lower Upper

166 100

165 98.2 78.0 117.0

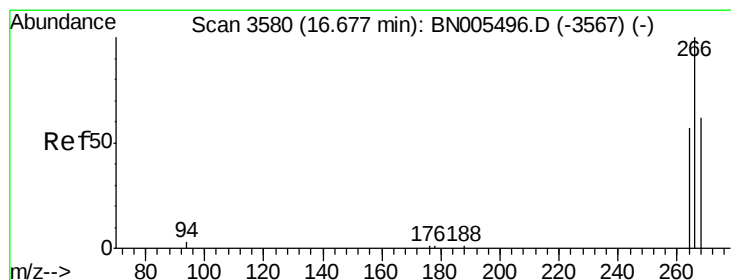
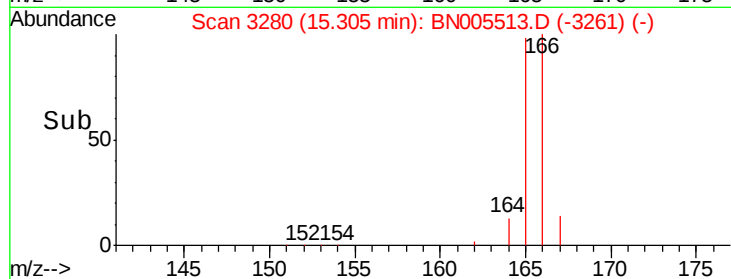
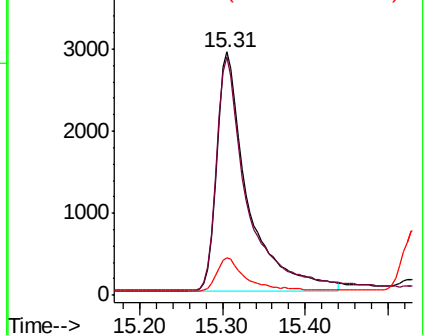
167 15.3 12.2 18.4



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: 0.337 ng/ul

RT: 16.67 min Scan# 3578

Delta R.T. -0.01 min

Lab File: BN005513.D

Acq: 07 May 2019 07:23

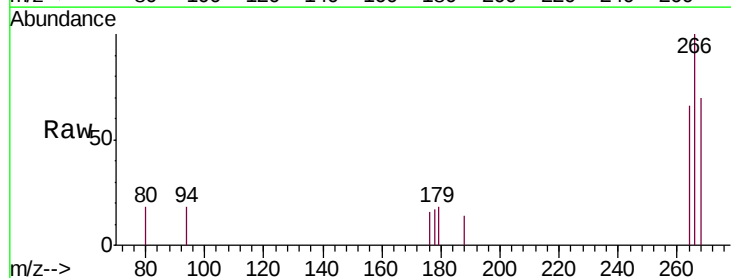
Tgt Ion:266 Resp: 1026

Ion Ratio Lower Upper

266 100

264 66.4 55.3 82.9

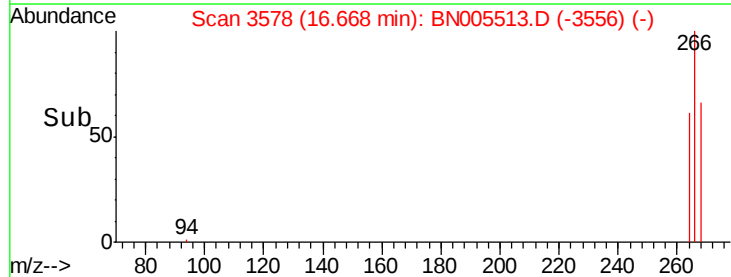
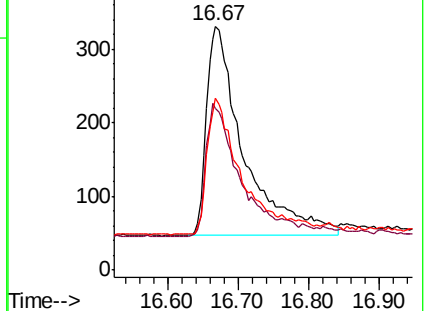
268 64.4 56.7 85.1

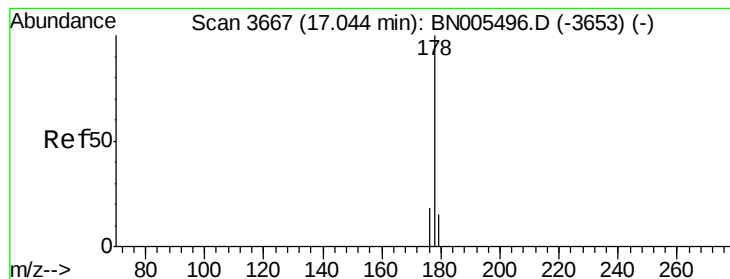


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.392 ng/ul

RT: 17.04 min Scan# 3665

Delta R.T. -0.01 min

Lab File: BN005513.D

Acq: 07 May 2019 07:23

Instrument :

BNA_N

ClientSampleId :

SSTD0.466

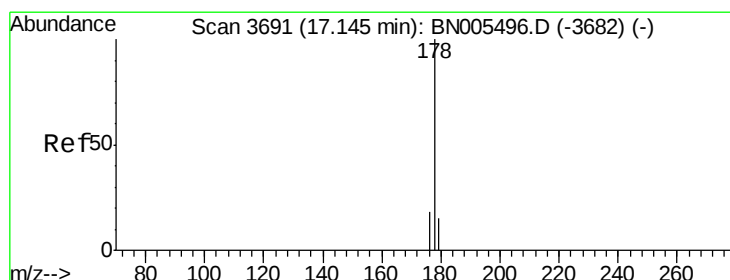
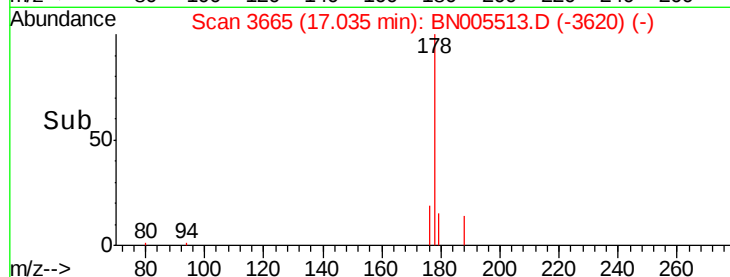
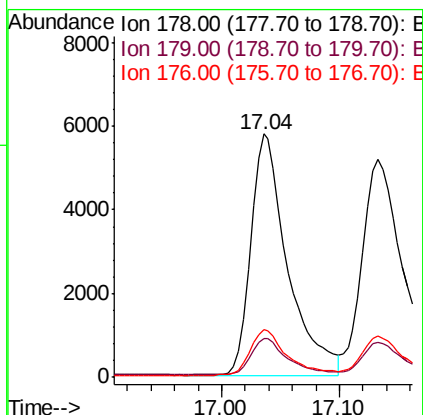
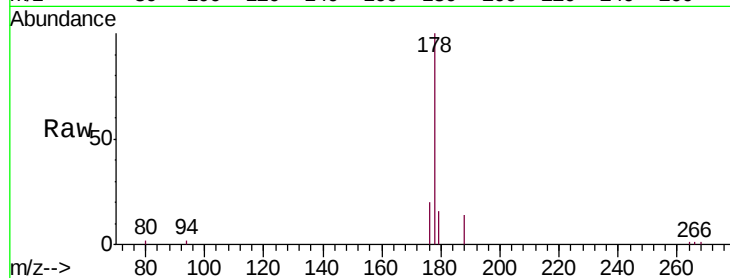
Tgt Ion:178 Resp: 12534

Ion Ratio Lower Upper

178 100

179 16.0 12.8 19.2

176 19.8 15.3 22.9



#13

Anthracene

Concen: 0.395 ng/ul

RT: 17.13 min Scan# 3688

Delta R.T. -0.01 min

Lab File: BN005513.D

Acq: 07 May 2019 07:23

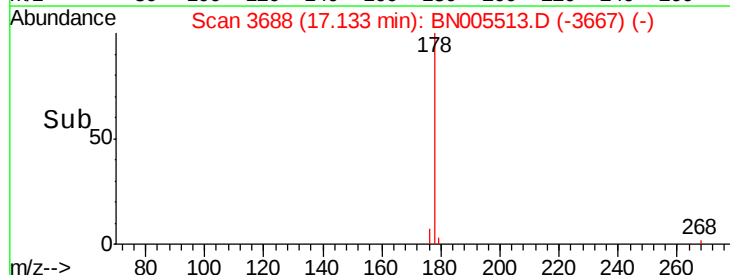
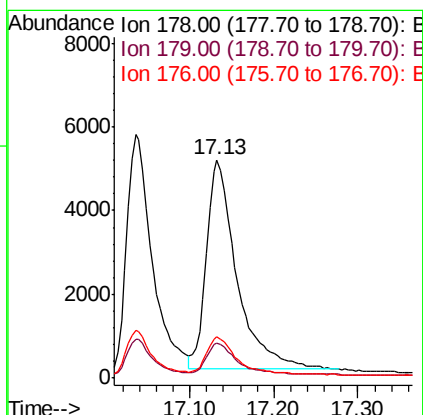
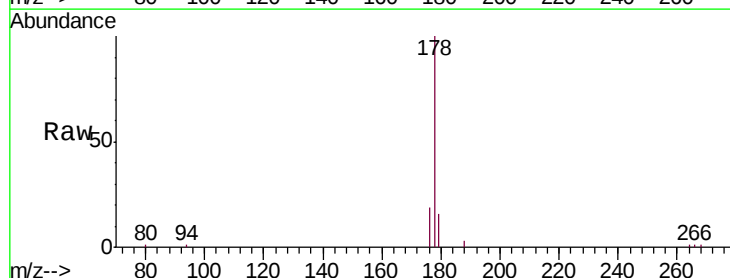
Tgt Ion:178 Resp: 12600

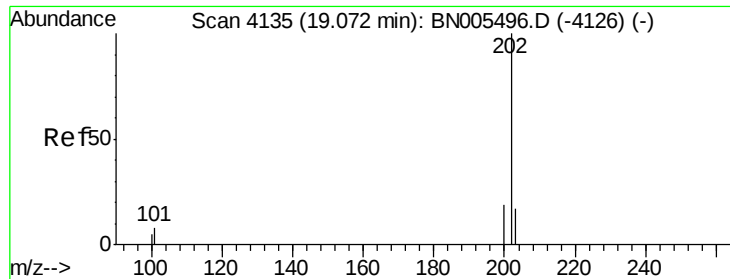
Ion Ratio Lower Upper

178 100

179 16.3 13.4 20.2

176 19.0 15.1 22.7





#15

Fluoranthene

Concen: 0.390 ng/ul

RT: 19.06 min Scan# 4133

Delta R.T. -0.01 min

Lab File: BN005513.D

Acq: 07 May 2019 07:23

Instrument :

BNA_N

ClientSampleId :

SSTD0.466

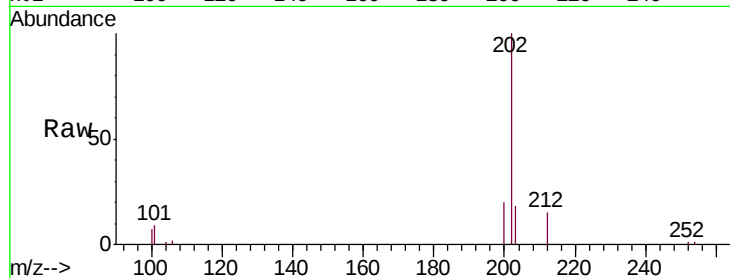
Tgt Ion:202 Resp: 17275

Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.4

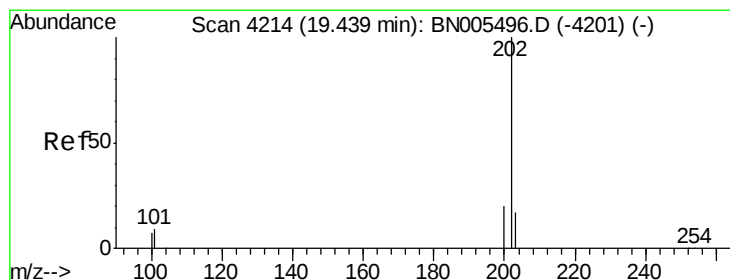
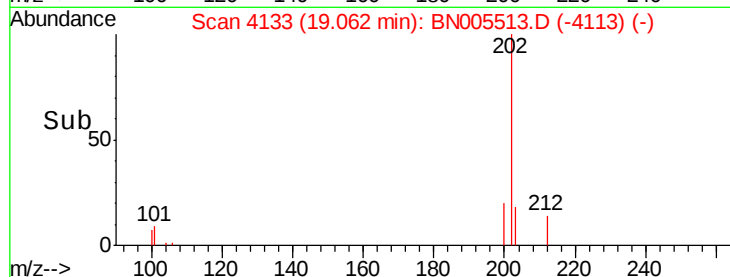
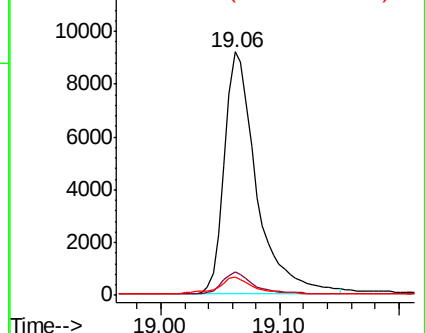
100 7.3 0.0 27.1



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: 0.385 ng/ul

RT: 19.43 min Scan# 4212

Delta R.T. -0.01 min

Lab File: BN005513.D

Acq: 07 May 2019 07:23

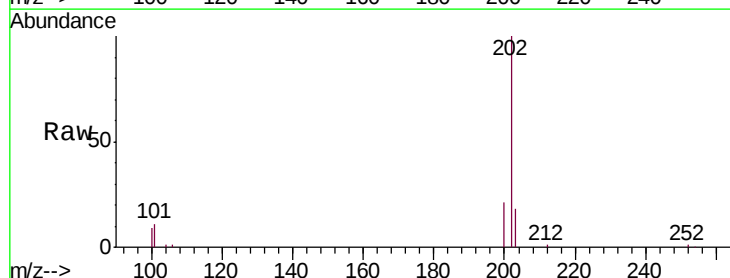
Tgt Ion:202 Resp: 18072

Ion Ratio Lower Upper

202 100

101 10.9 8.5 12.7

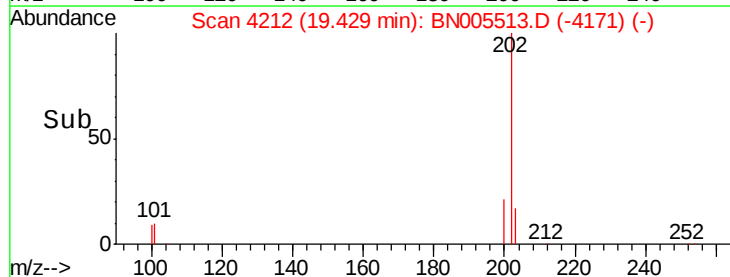
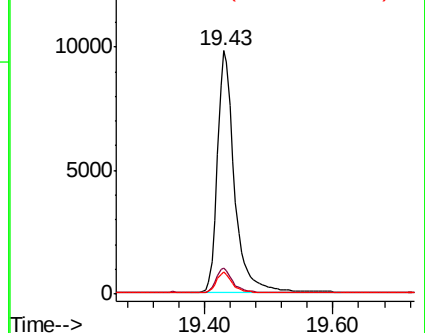
100 9.2 6.9 10.3

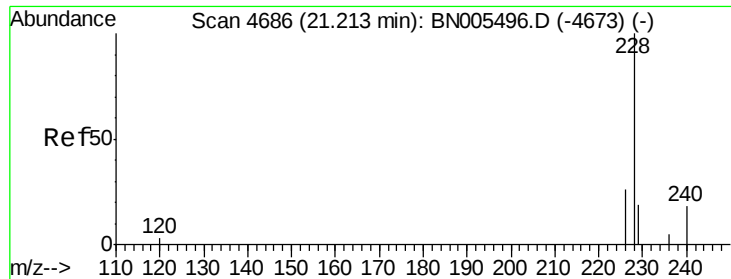


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.394 ng/ul

RT: 21.21 min Scan# 4684

Delta R.T. -0.01 min

Lab File: BN005513.D

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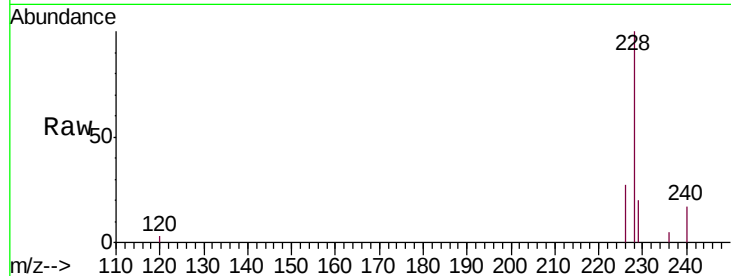
Tgt Ion:228 Resp: 17263

Ion Ratio Lower Upper

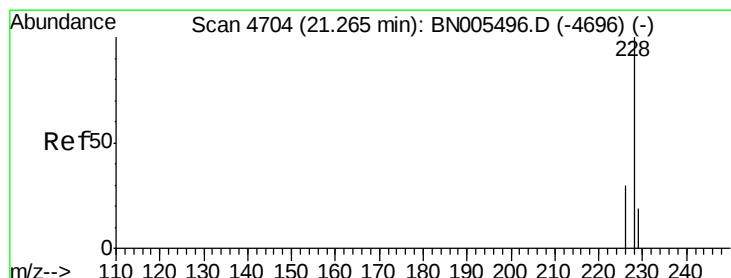
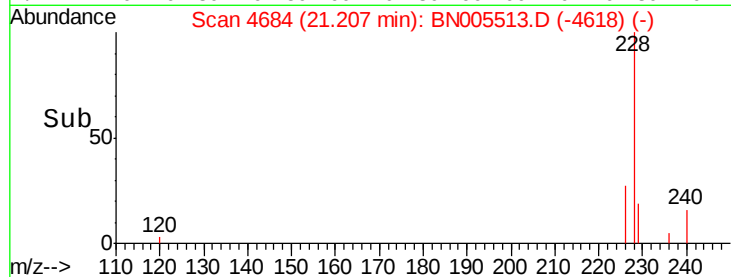
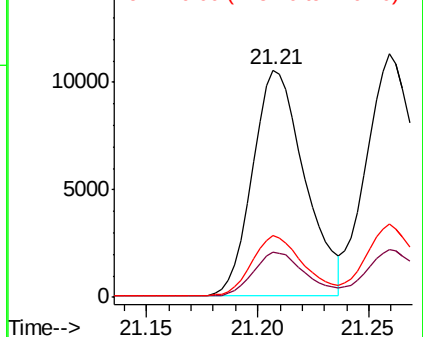
228 100

229 19.8 15.8 23.8

226 27.0 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: 0.375 ng/ul

RT: 21.26 min Scan# 4702

Delta R.T. -0.01 min

Lab File: BN005513.D

Acq: 07 May 2019 07:23

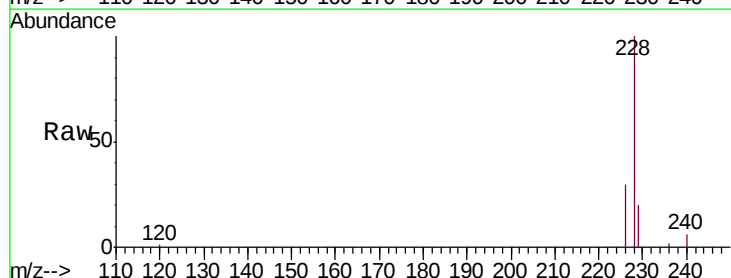
Tgt Ion:228 Resp: 20173

Ion Ratio Lower Upper

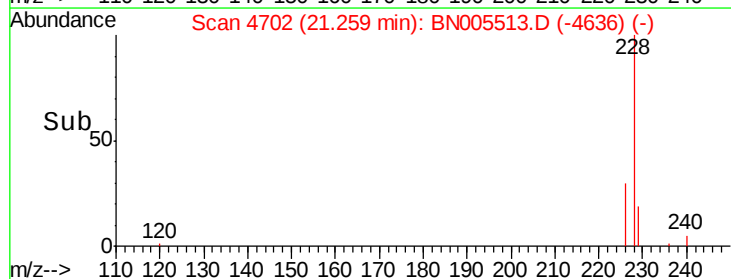
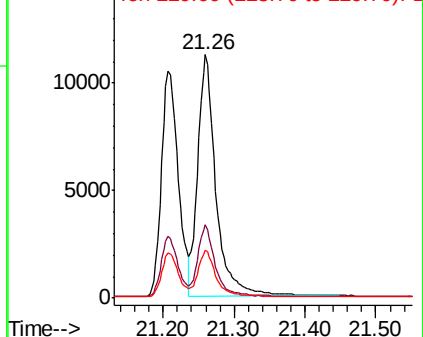
228 100

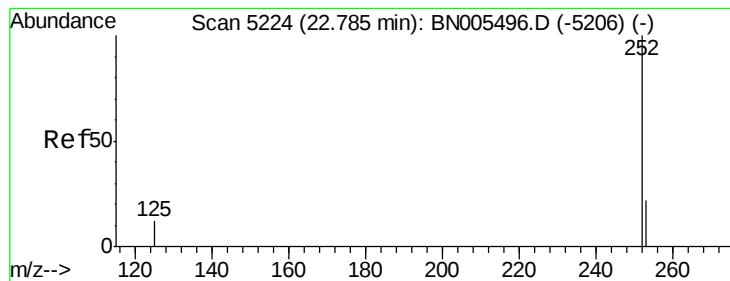
226 30.1 23.2 34.8

229 19.7 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: 0.417 ng/ul

RT: 22.78 min Scan# 5222

Delta R.T. -0.01 min

Lab File: BN005513.D

Acq: 07 May 2019 07:23

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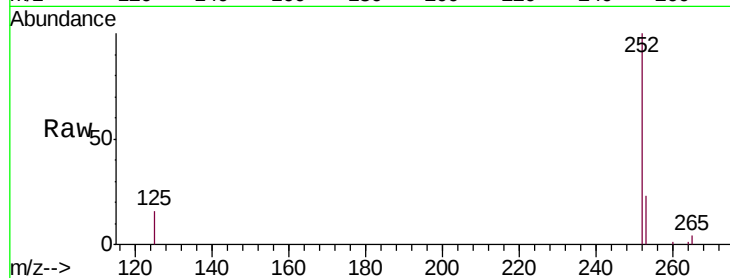
Tgt Ion:252 Resp: 17881

Ion Ratio Lower Upper

252 100

253 22.9 0.0 47.6

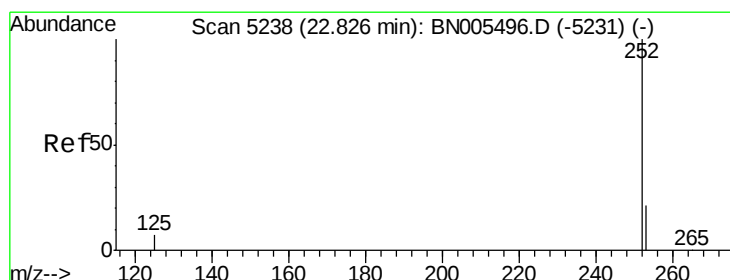
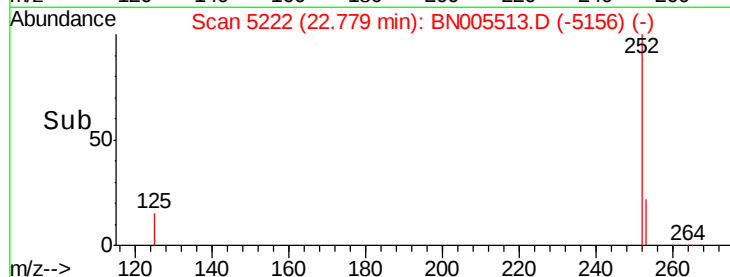
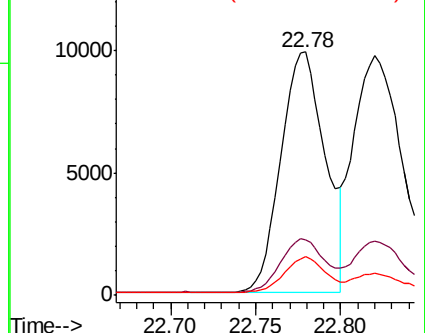
125 15.8 0.0 20.8



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: 0.400 ng/ul

RT: 22.82 min Scan# 5236

Delta R.T. -0.01 min

Lab File: BN005513.D

Acq: 07 May 2019 07:23

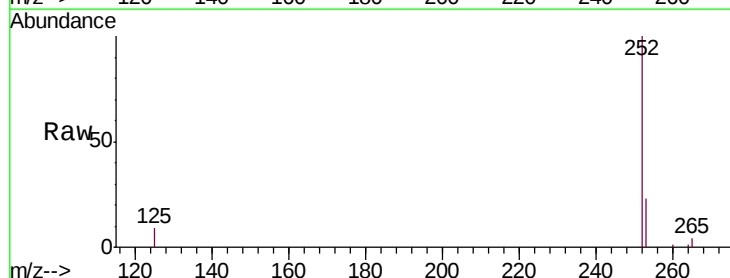
Tgt Ion:252 Resp: 21472

Ion Ratio Lower Upper

252 100

253 22.7 18.8 28.2

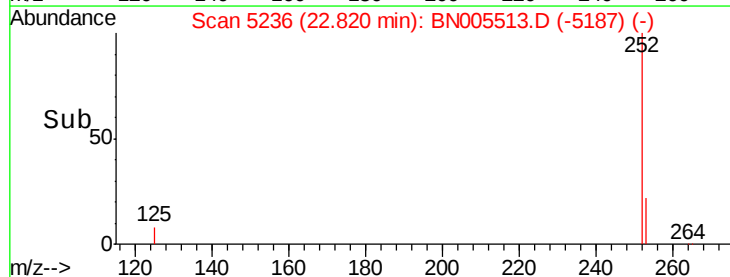
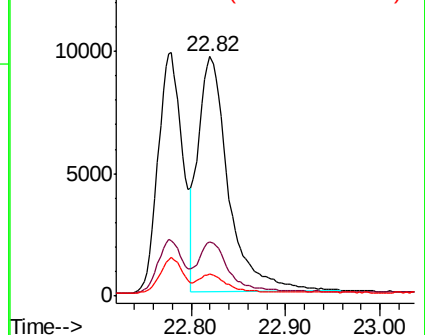
125 9.4 7.6 11.4

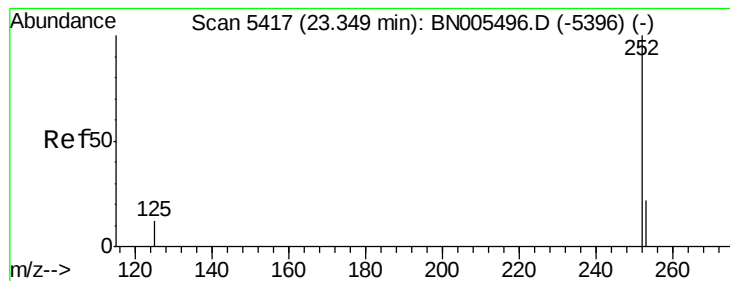


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.402 ng/ul

RT: 23.34 min Scan# 5414

Delta R.T. -0.01 min

Lab File: BN005513.D

Acq: 07 May 2019 07:23

Instrument :

BNA_N

ClientSampleId :

SSTD0.466

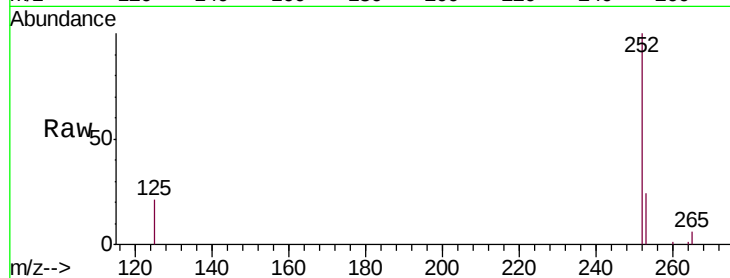
Tgt Ion:252 Resp: 19269

Ion Ratio Lower Upper

252 100

253 24.2 19.6 29.4

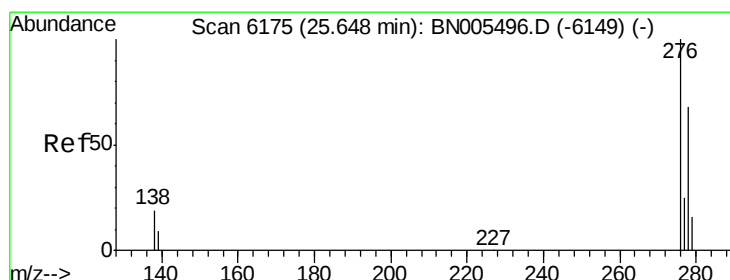
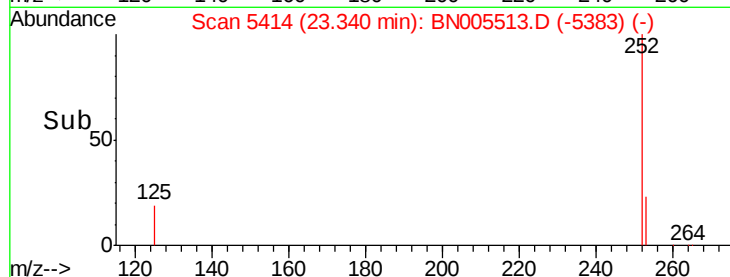
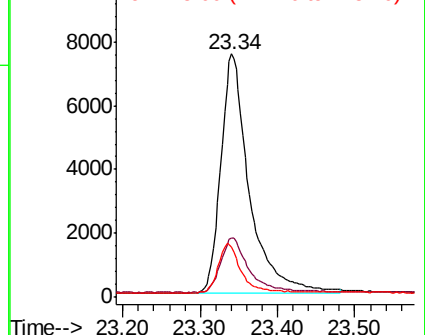
125 20.5 10.1 15.1#



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: 0.364 ng/ul

RT: 25.64 min Scan# 6172

Delta R.T. -0.01 min

Lab File: BN005513.D

Acq: 07 May 2019 07:23

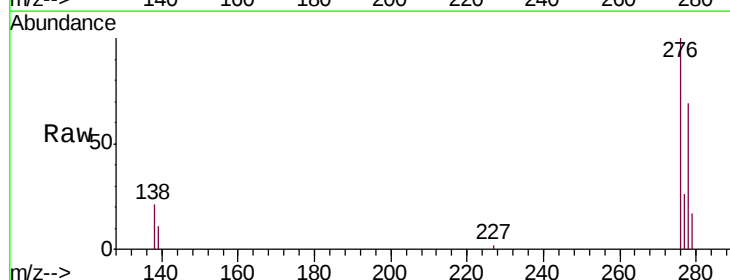
Tgt Ion:276 Resp: 19505

Ion Ratio Lower Upper

276 100

138 19.7 15.8 23.8

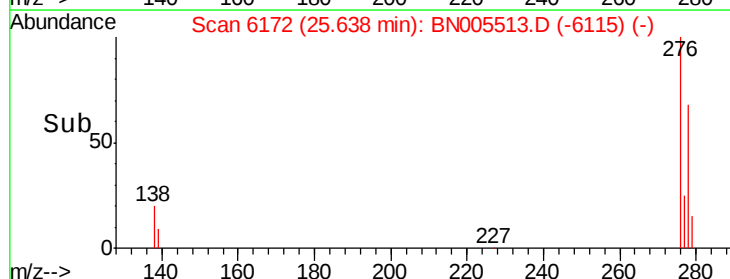
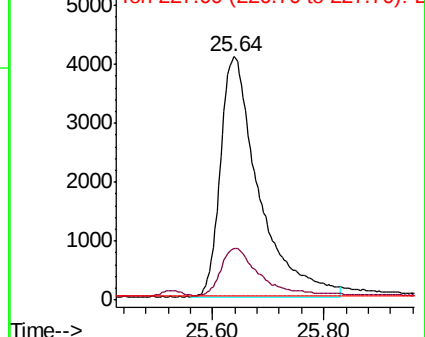
227 0.1 0.1 0.1

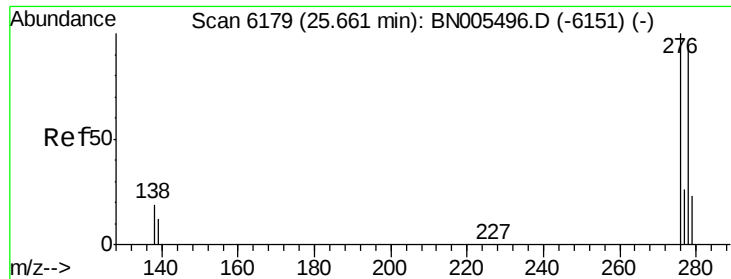


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

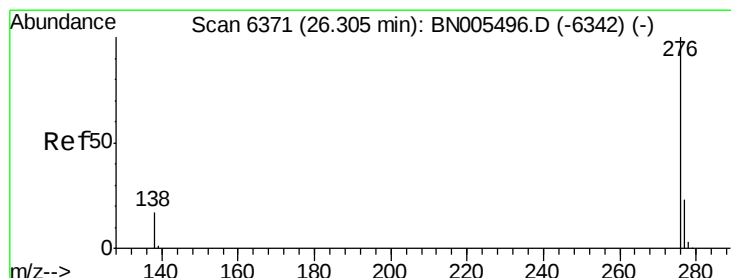
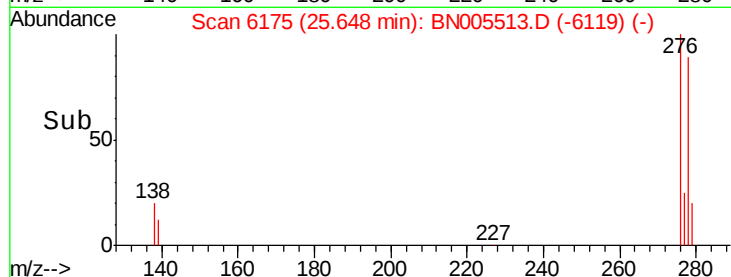
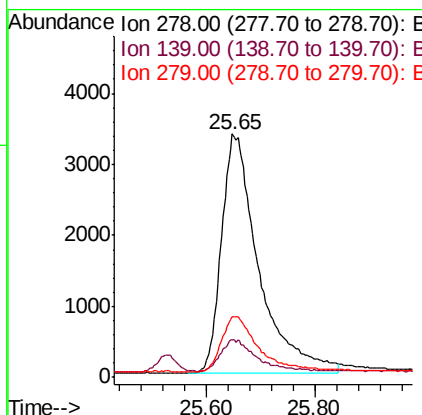
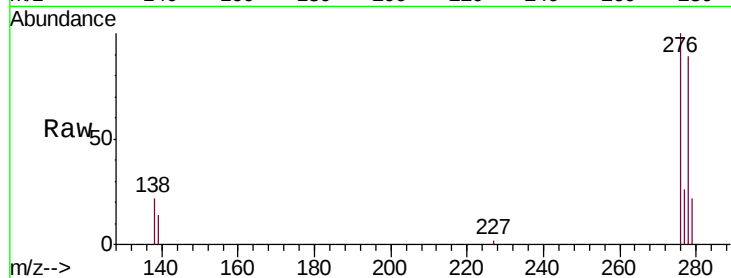




#25
Dibenzo(a,h)anthracene
Concen: 0.364 ng/u1
RT: 25.65 min Scan# 6175
Delta R.T. -0.01 min
Lab File: BN005513.D
Acq: 07 May 2019 07:23

Instrument :
BNA_N
ClientSampleId :
SSTD0.466

Tgt Ion:278 Resp: 16116
Ion Ratio Lower Upper
278 100
139 15.3 12.4 18.6
279 24.7 21.0 31.4



#26
Benzo(g,h,i)perylene
Concen: 0.351 ng/u1
RT: 26.30 min Scan# 6368
Delta R.T. -0.01 min
Lab File: BN005513.D
Acq: 07 May 2019 07:23

Tgt Ion:276 Resp: 16013
Ion Ratio Lower Upper
276 100
138 18.9 15.6 23.4
277 24.8 20.6 31.0

