

Data File : BN005491.D
Acq On : 06 May 2019 18:45
Operator : JU/SJ
Sample : SST0.460
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.460

Quant Time: May 07 02:51:07 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	7.61	152	2004	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	7497	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	4288	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	10548	0.40	ng/ul	0.00
16) Chrysene-d12	21.23	240	11229	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	13181	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	4653	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	12978	0.43	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.41	128	7731	0.378	ng/ul	100
5) 2-Methylnaphthalene	12.05	142	5394	0.374	ng/ul	100
7) Acenaphthylene	13.95	152	8580	0.398	ng/ul	100
8) Acenaphthene	14.30	153	6041	0.381	ng/ul	100
9) Fluorene	15.31	166	7060	0.385	ng/ul	100
11) Pentachlorophenol	16.68	266	900	0.352	ng/ul	100
12) Phenanthrene	17.04	178	11424	0.357	ng/ul	100
13) Anthracene	17.14	178	11338	0.383	ng/ul	100
15) Fluoranthene	19.07	202	15498	0.413	ng/ul	100
17) Pyrene	19.43	202	16451	0.351	ng/ul	100
18) Benzo(a)anthracene	21.21	228	15304	0.364	ng/ul	100
19) Chrysene	21.26	228	19020	0.425	ng/ul	100
21) Benzo(b)fluoranthene	22.78	252	15315	0.316	ng/ul	100
22) Benzo(k)fluoranthene	22.82	252	19805	0.396	ng/ul	100
23) Benzo(a)pyrene	23.34	252	17275	0.386	ng/ul	100
24) Indeno(1,2,3-cd)pyrene	25.64	276	19404	0.391	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.65	278	16018	0.393	ng/ul	100
26) Benzo(g,h,i)perylene	26.29	276	16438	0.390	ng/ul	100

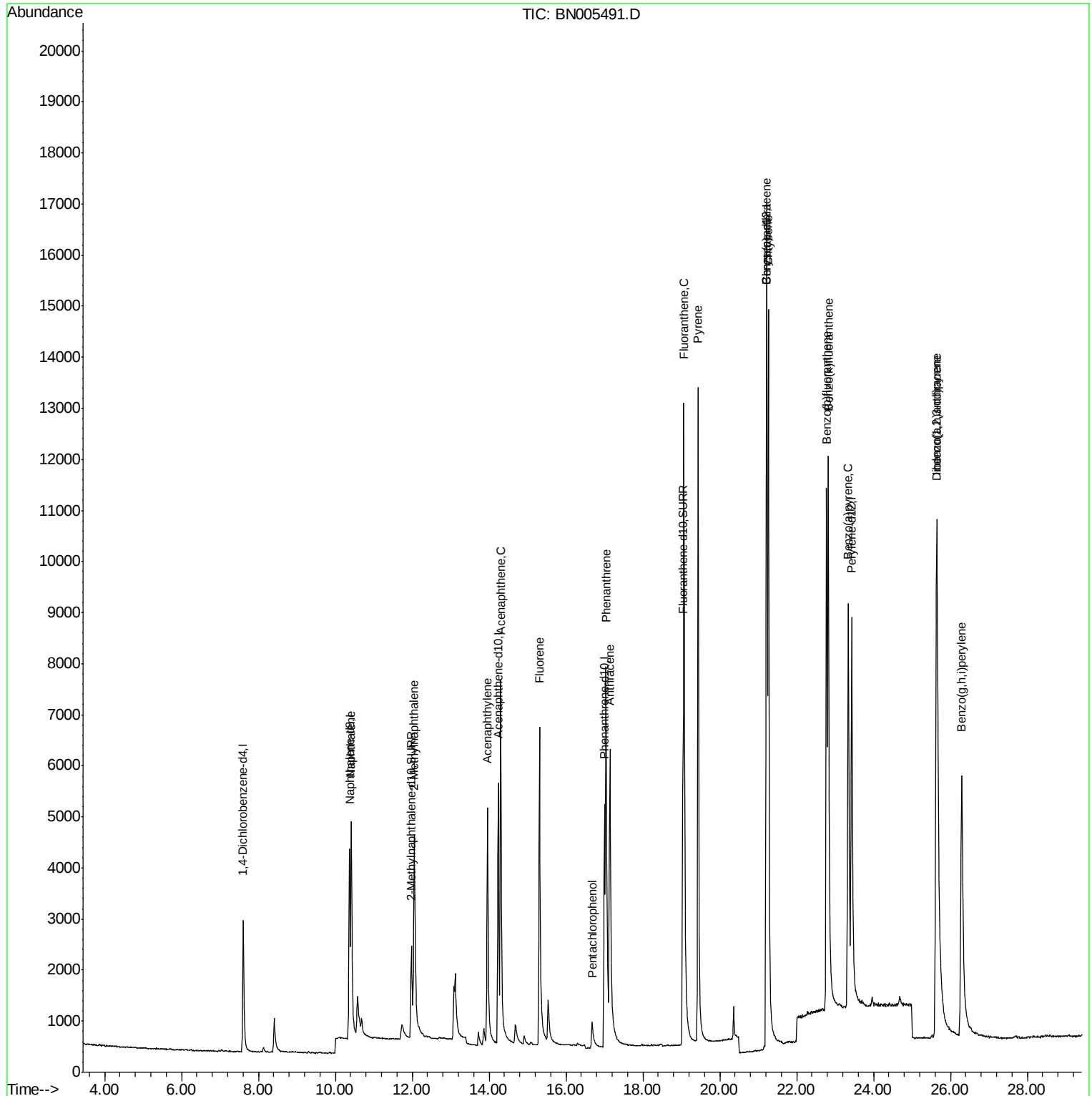
(#) = qualifier out of range (m) = manual integration (+) = signals summed

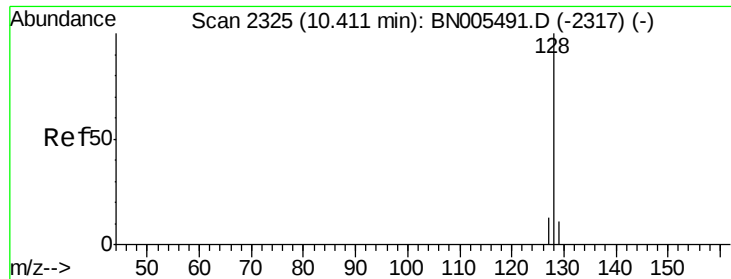
Data File : BN005491.D

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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
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#3

Naphthalene

Concen: 0.378 ng/ul

RT: 10.41 min Scan# 2325

Delta R.T. 0.00 min

Lab File: BN005491.D

Acq: 06 May 2019 18:45

Instrument :

BNA_N

ClientSampleId :

SSTD0.460

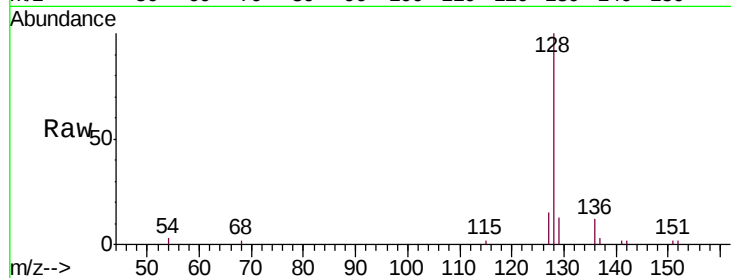
Tgt Ion:128 Resp: 7731

Ion Ratio Lower Upper

128 100

129 12.7 10.2 15.2

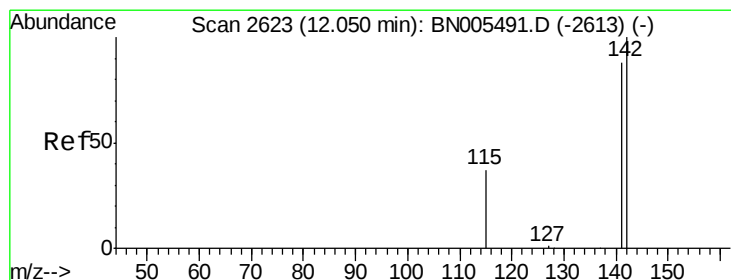
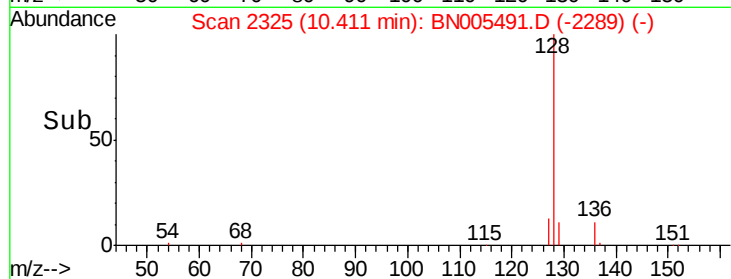
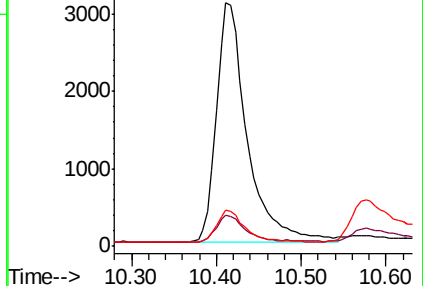
127 14.8 11.8 17.8



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: 0.374 ng/ul

RT: 12.05 min Scan# 2623

Delta R.T. 0.00 min

Lab File: BN005491.D

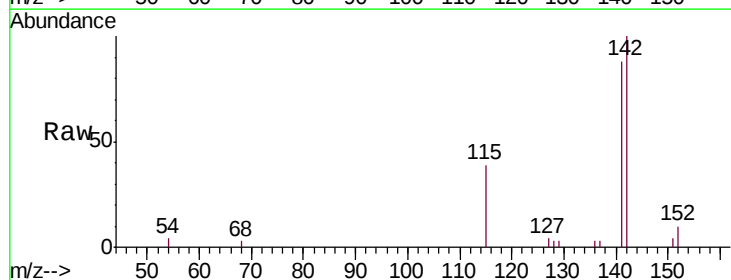
Acq: 06 May 2019 18:45

Tgt Ion:142 Resp: 5394

Ion Ratio Lower Upper

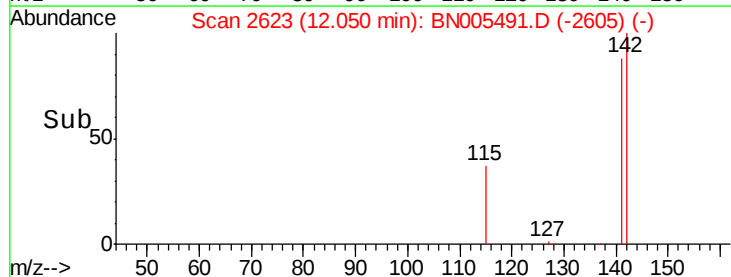
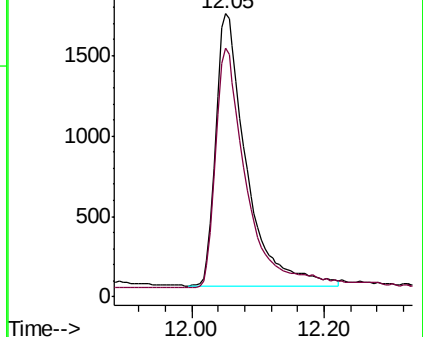
142 100

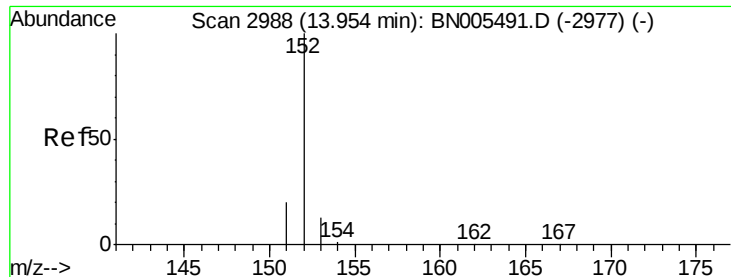
141 90.7 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.398 ng/ul

RT: 13.95 min Scan# 2988

Delta R.T. 0.00 min

Lab File: BN005491.D

Acq: 06 May 2019 18:45

Instrument :

BNA_N

ClientSampleId :

SSTD0.460

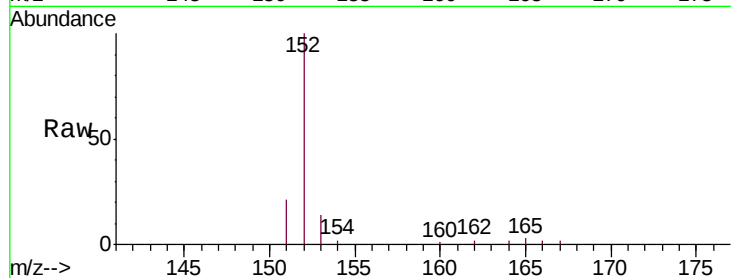
Tgt Ion:152 Resp: 8580

Ion Ratio Lower Upper

152 100

151 20.9 16.7 25.1

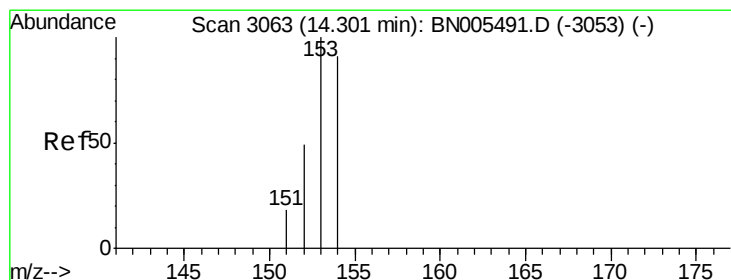
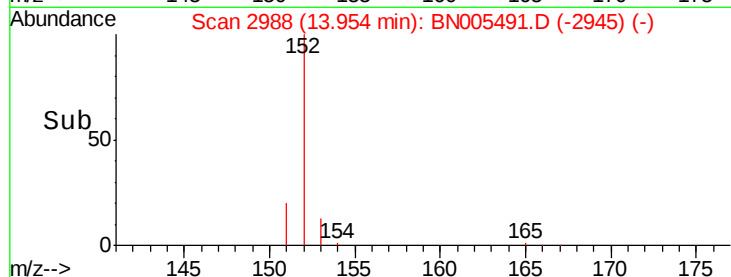
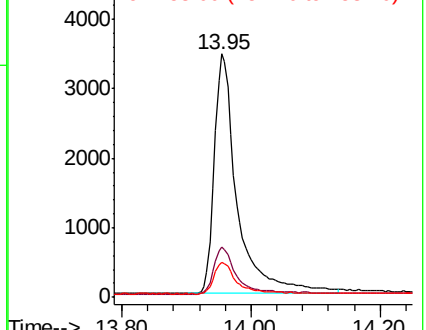
153 14.5 11.6 17.4



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: 0.381 ng/ul

RT: 14.30 min Scan# 3063

Delta R.T. 0.00 min

Lab File: BN005491.D

Acq: 06 May 2019 18:45

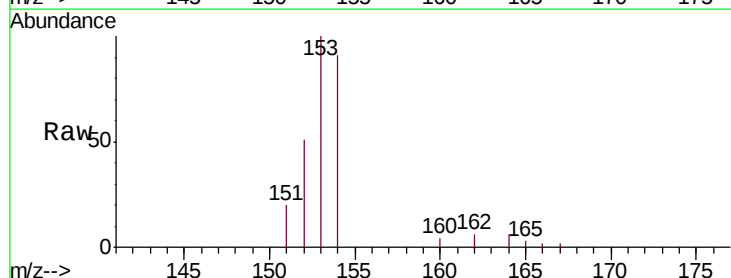
Tgt Ion:153 Resp: 6041

Ion Ratio Lower Upper

153 100

152 51.0 40.8 61.2

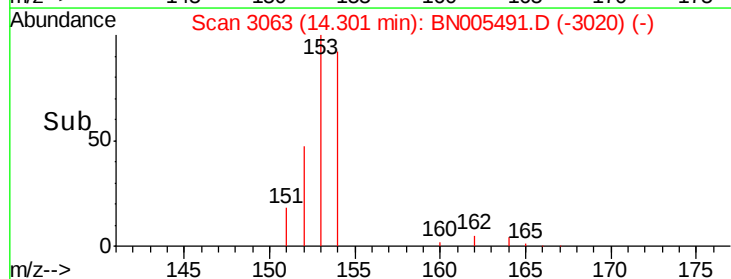
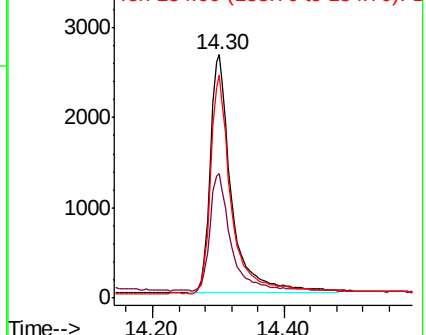
154 91.5 73.2 109.8

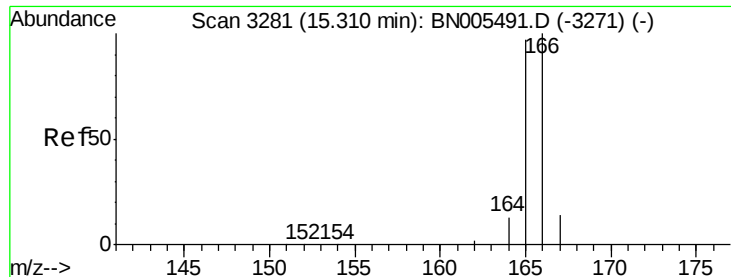


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

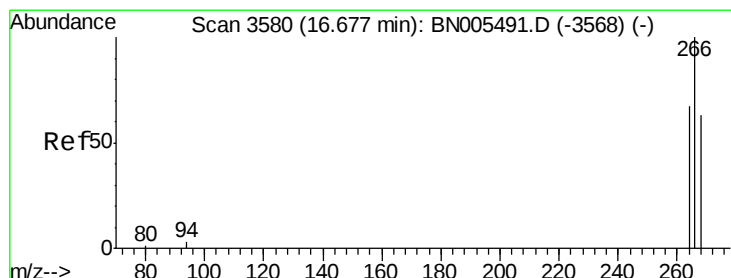
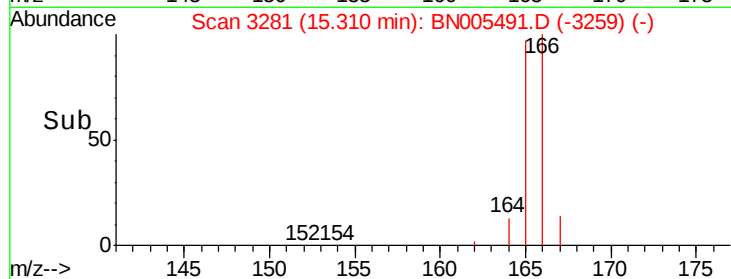
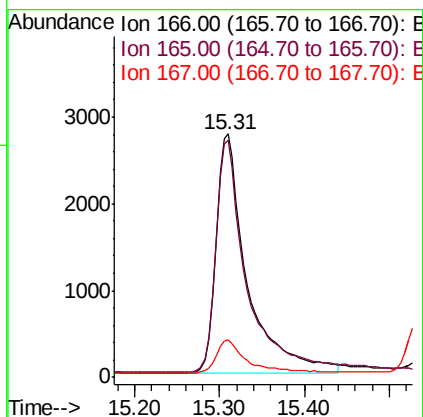
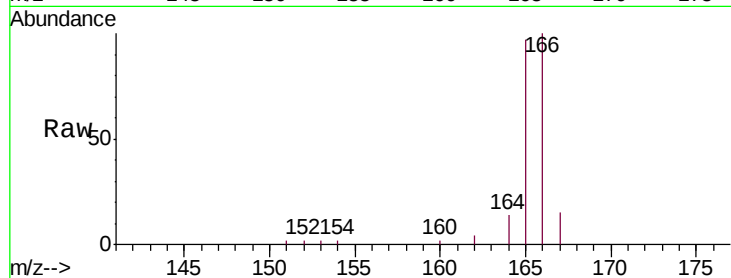




#9
Fluorene
 Concen: 0.385 ng/ul
 RT: 15.31 min Scan# 3281
 Delta R.T. 0.00 min
 Lab File: BN005491.D
 Acq: 06 May 2019 18:45

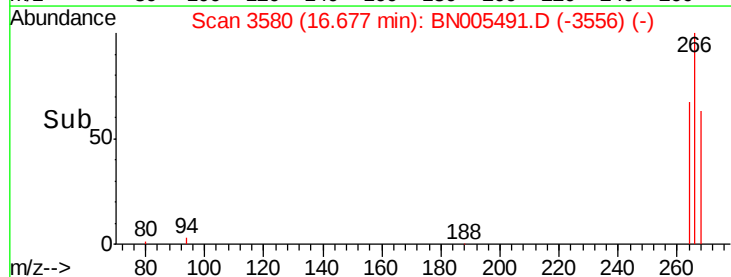
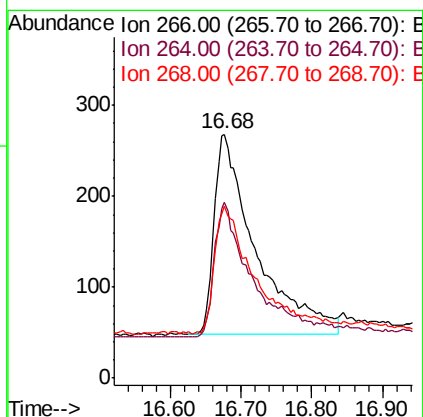
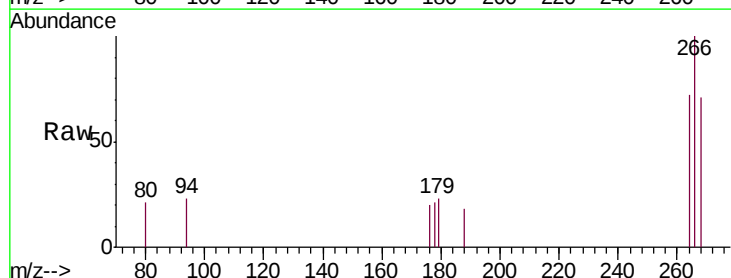
Instrument :
 BNA_N
 ClientSampleId :
 SST0.460

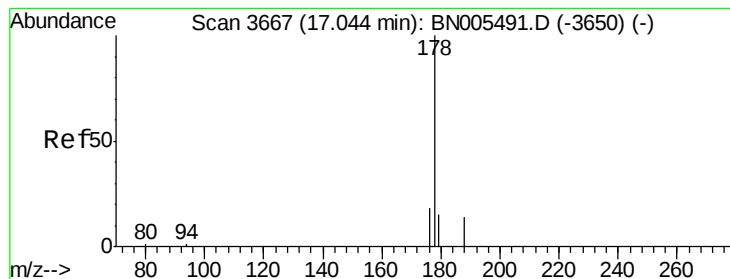
Tgt Ion:166 Resp: 7060
 Ion Ratio Lower Upper
 166 100
 165 97.5 78.0 117.0
 167 15.3 12.2 18.4



#11
Pentachlorophenol
 Concen: 0.352 ng/ul
 RT: 16.68 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: BN005491.D
 Acq: 06 May 2019 18:45

Tgt Ion:266 Resp: 900
 Ion Ratio Lower Upper
 266 100
 264 69.1 55.3 82.9
 268 71.2 56.7 85.1





#12

Phenanthrene

Concen: 0.357 ng/ul

RT: 17.04 min Scan# 3667

Delta R.T. 0.00 min

Lab File: BN005491.D

Acq: 06 May 2019 18:45

Instrument :

BNA_N

ClientSampleId :

SSTD0.460

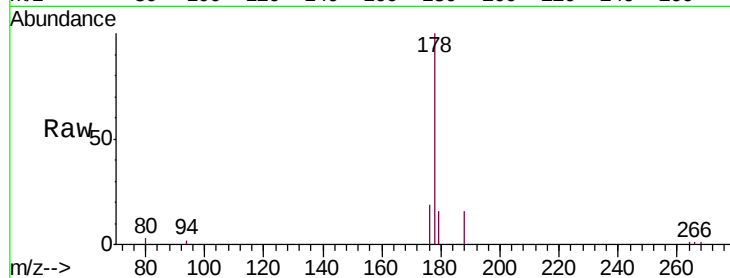
Tgt Ion:178 Resp: 11424

Ion Ratio Lower Upper

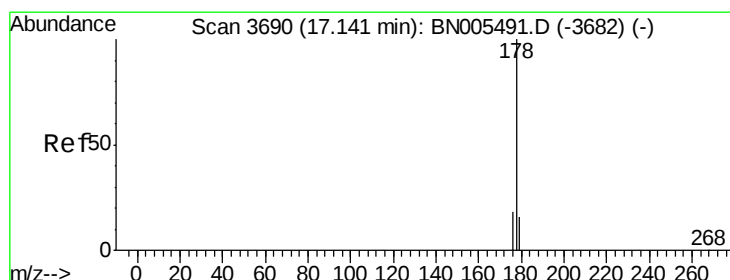
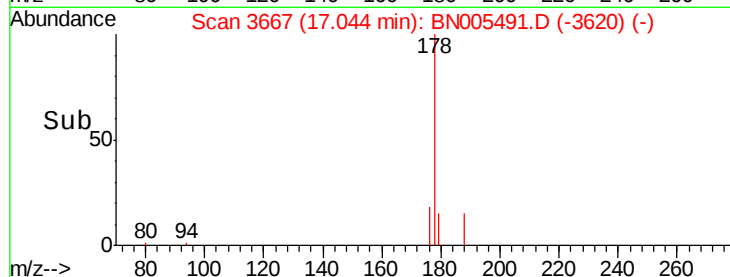
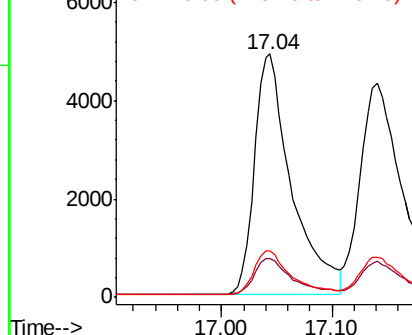
178 100

179 16.0 12.8 19.2

176 19.1 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: 0.383 ng/ul

RT: 17.14 min Scan# 3690

Delta R.T. 0.00 min

Lab File: BN005491.D

Acq: 06 May 2019 18:45

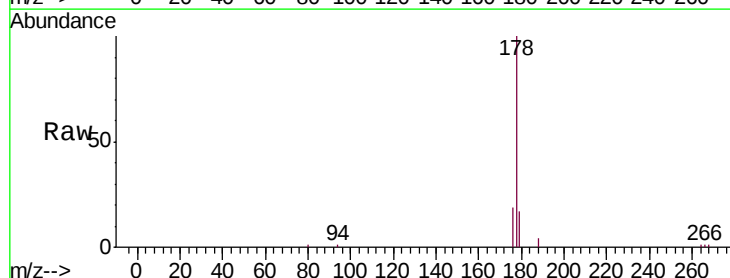
Tgt Ion:178 Resp: 11338

Ion Ratio Lower Upper

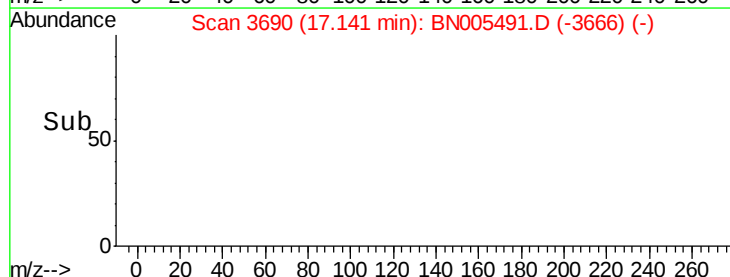
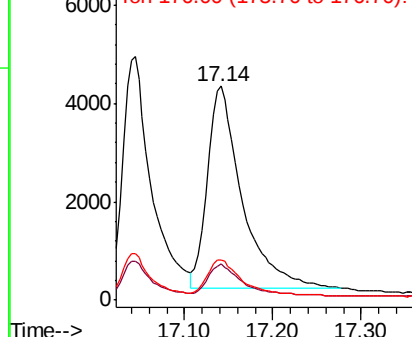
178 100

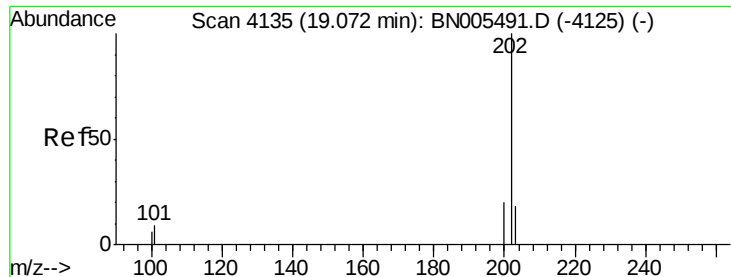
179 16.8 13.4 20.2

176 18.9 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: 0.413 ng/ul

RT: 19.07 min Scan# 4135

Delta R.T. 0.00 min

Lab File: BN005491.D

Acq: 06 May 2019 18:45

Instrument :

BNA_N

ClientSampleId :

SSTD0.460

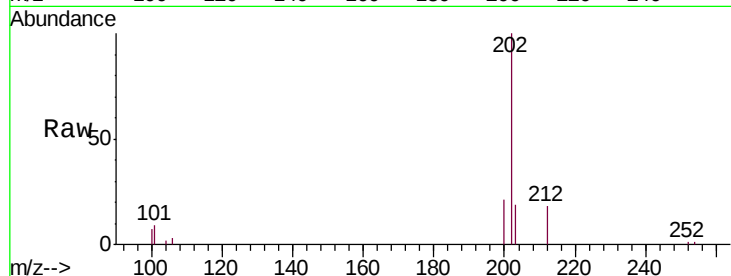
Tgt Ion:202 Resp: 15498

Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.4

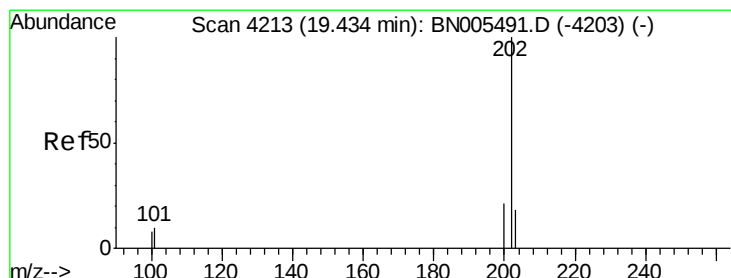
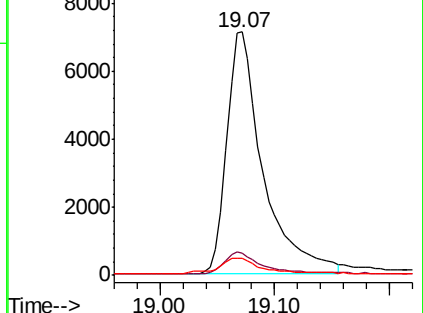
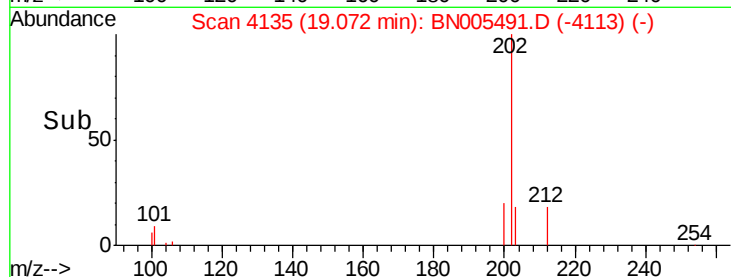
100 7.1 0.0 27.1



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: 0.351 ng/ul

RT: 19.43 min Scan# 4213

Delta R.T. 0.00 min

Lab File: BN005491.D

Acq: 06 May 2019 18:45

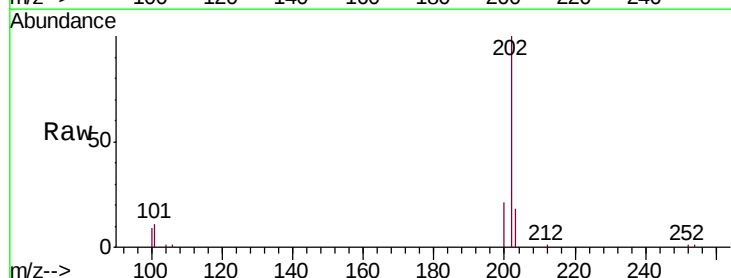
Tgt Ion:202 Resp: 16451

Ion Ratio Lower Upper

202 100

101 10.6 8.5 12.7

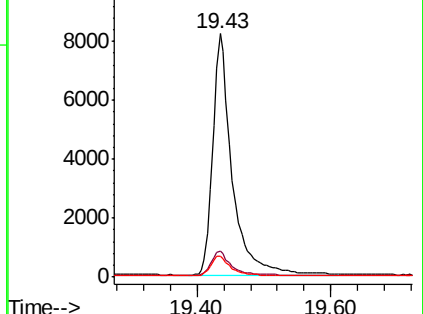
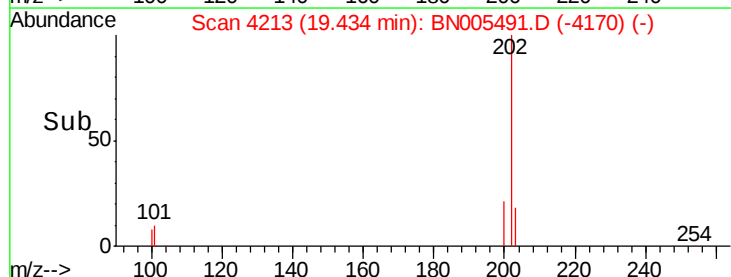
100 8.6 6.9 10.3

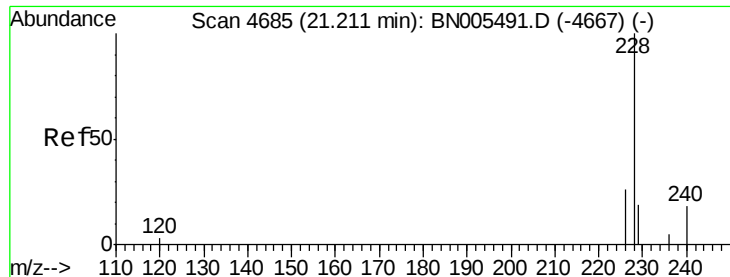


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.364 ng/ul

RT: 21.21 min Scan# 4685

Delta R.T. 0.00 min

Lab File: BN005491.D

Acq: 06 May 2019 18:45

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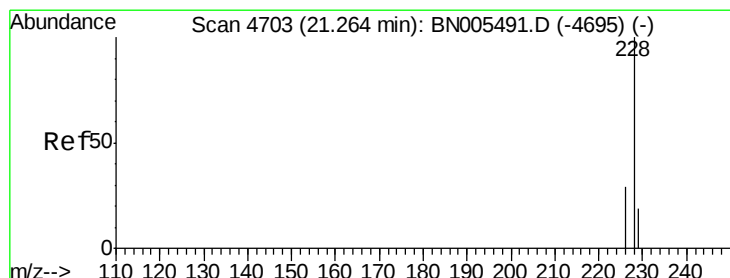
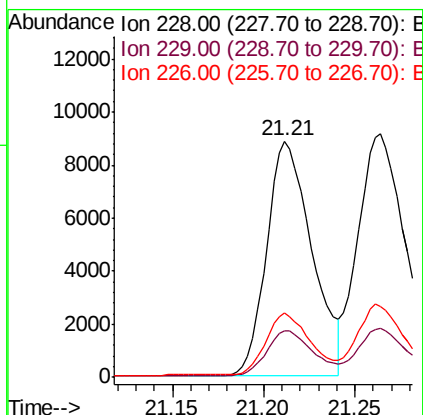
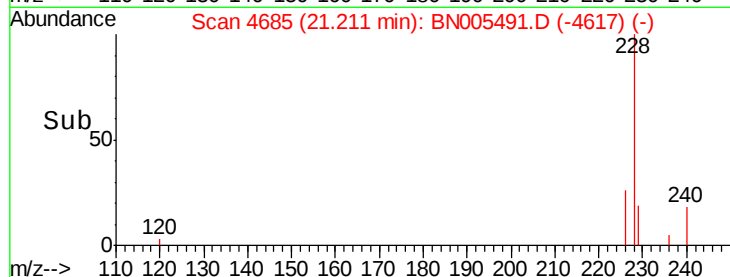
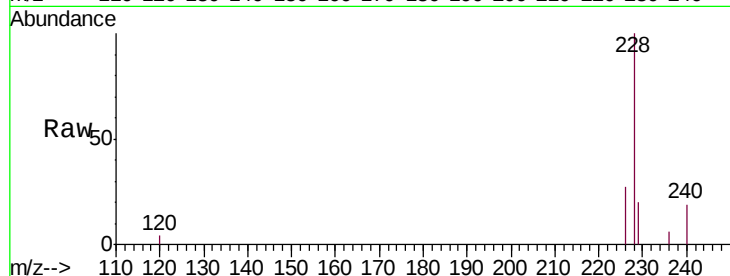
Tgt Ion:228 Resp: 15304

Ion Ratio Lower Upper

228 100

229 19.8 15.8 23.8

226 27.1 21.7 32.5



#19

Chrysene

Concen: 0.425 ng/ul

RT: 21.26 min Scan# 4703

Delta R.T. 0.00 min

Lab File: BN005491.D

Acq: 06 May 2019 18:45

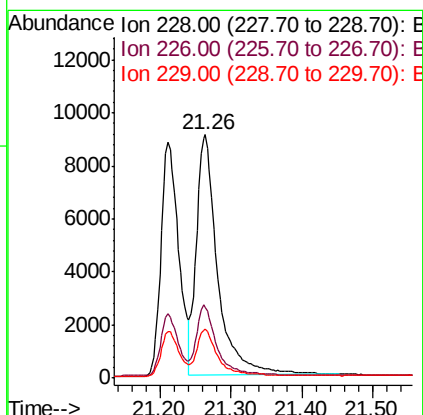
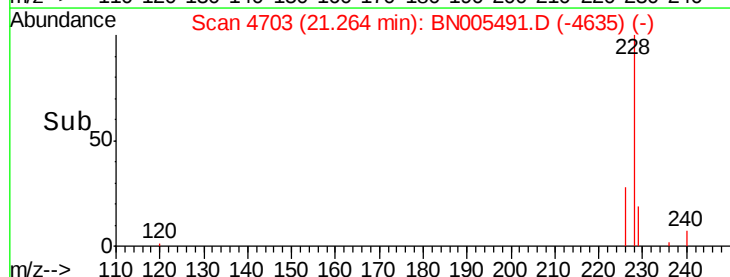
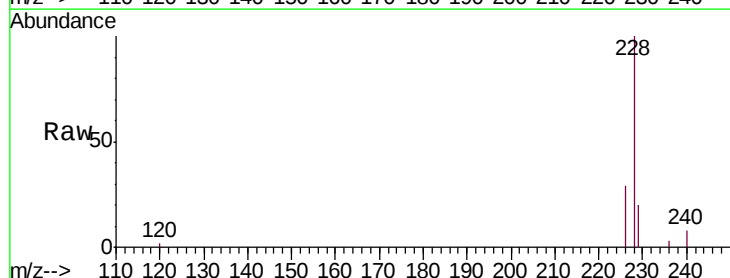
Tgt Ion:228 Resp: 19020

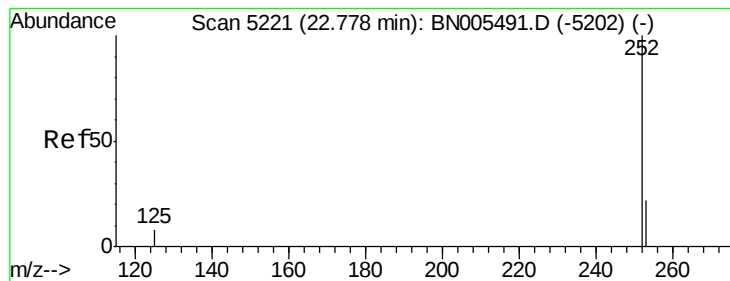
Ion Ratio Lower Upper

228 100

226 29.0 23.2 34.8

229 20.0 16.0 24.0





#21

Benzo(b)fluoranthene

Concen: 0.316 ng/ul

RT: 22.78 min Scan# 5221

Delta R.T. 0.00 min

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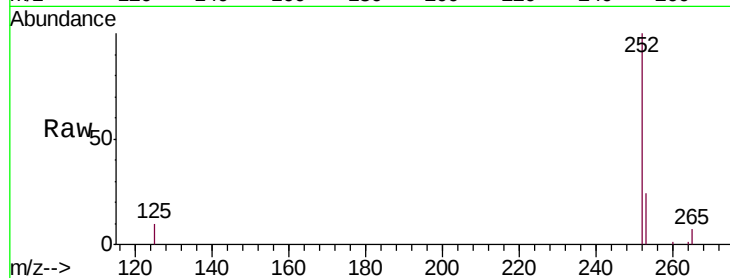
Tgt Ion:252 Resp: 15315

Ion Ratio Lower Upper

252 100

253 23.8 0.0 47.6

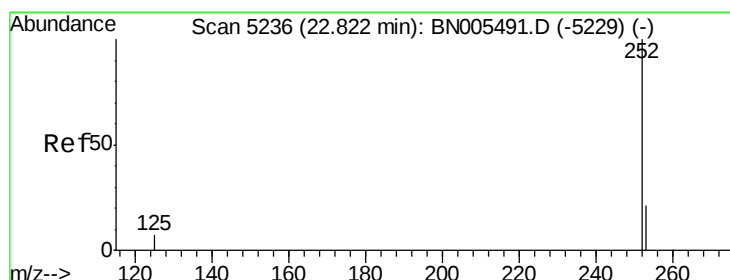
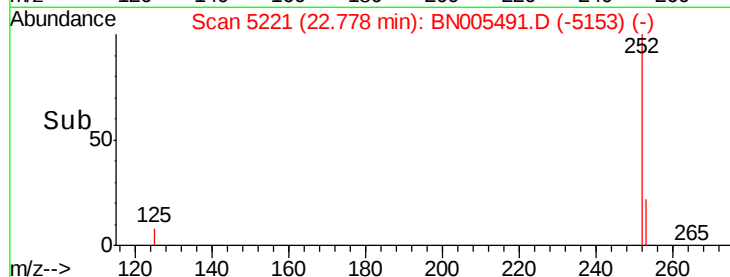
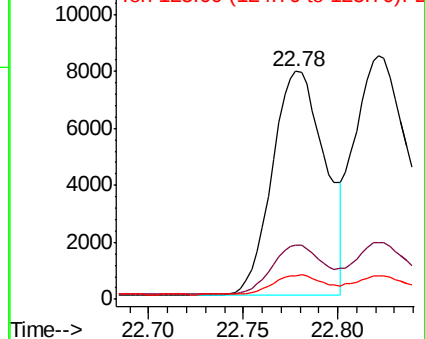
125 10.4 0.0 20.8



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: 0.396 ng/ul

RT: 22.82 min Scan# 5236

Delta R.T. 0.00 min

Lab File: BN005491.D

Acq: 06 May 2019 18:45

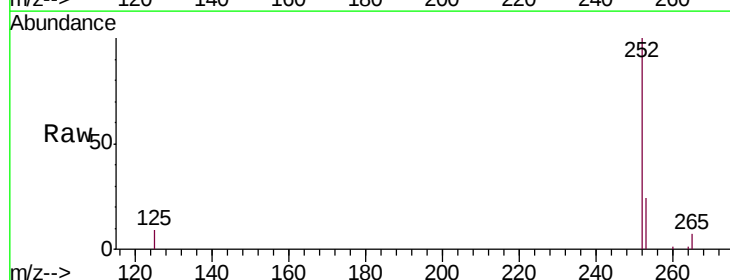
Tgt Ion:252 Resp: 19805

Ion Ratio Lower Upper

252 100

253 23.5 18.8 28.2

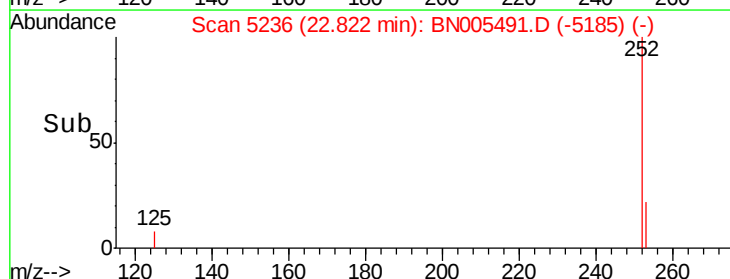
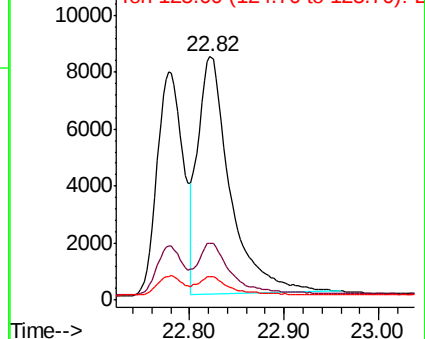
125 9.5 7.6 11.4

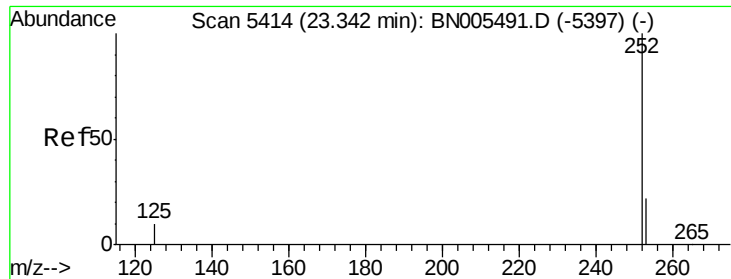


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.386 ng/u1

RT: 23.34 min Scan# 5414

Delta R.T. 0.00 min

Lab File: BN005491.D

Acq: 06 May 2019 18:45

Instrument :

BNA_N

ClientSampleId :

SSTD0.460

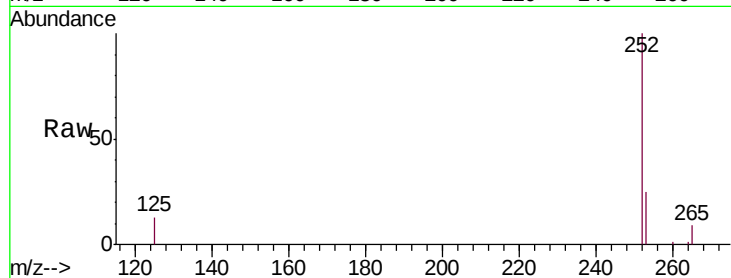
Tgt Ion:252 Resp: 17275

Ion Ratio Lower Upper

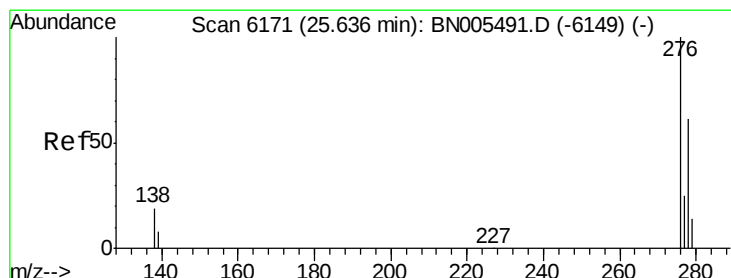
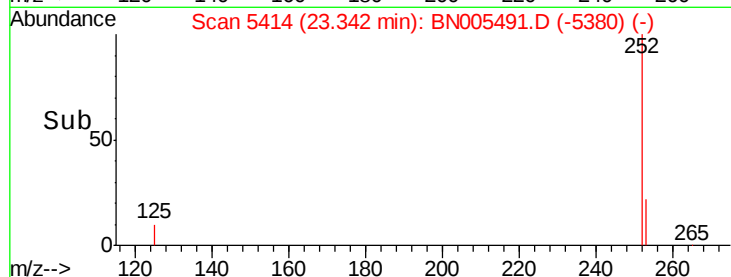
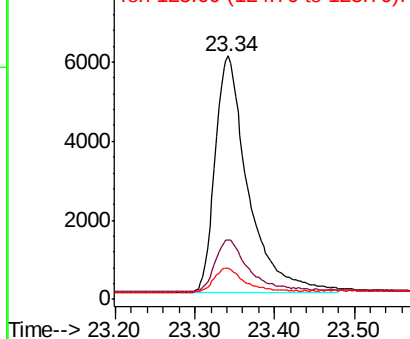
252 100

253 24.5 19.6 29.4

125 12.6 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: 0.391 ng/u1

RT: 25.64 min Scan# 6171

Delta R.T. 0.00 min

Lab File: BN005491.D

Acq: 06 May 2019 18:45

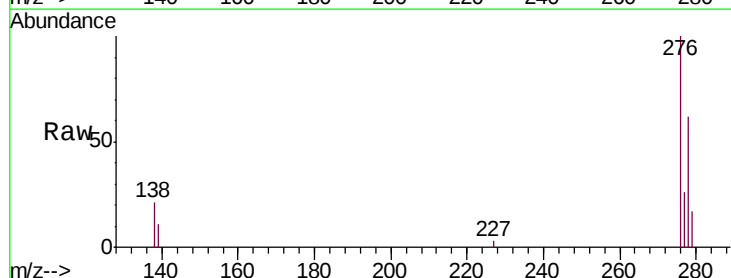
Tgt Ion:276 Resp: 19404

Ion Ratio Lower Upper

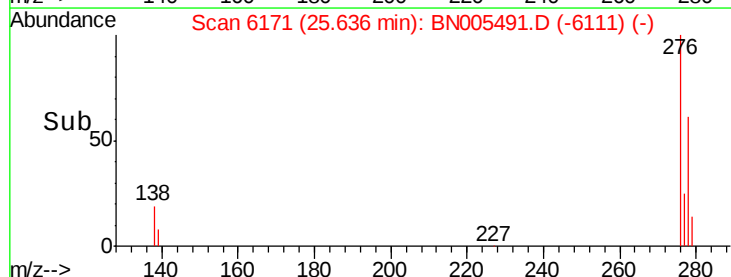
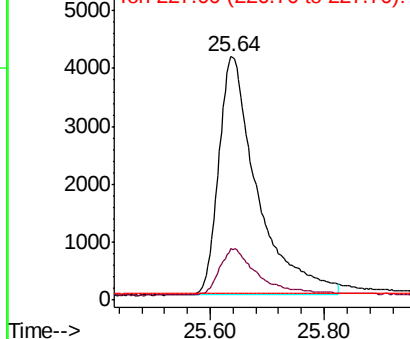
276 100

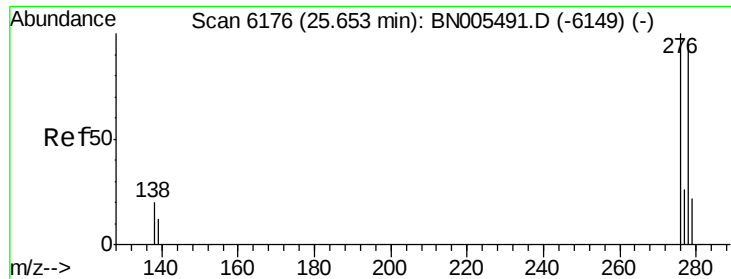
138 19.8 15.8 23.8

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

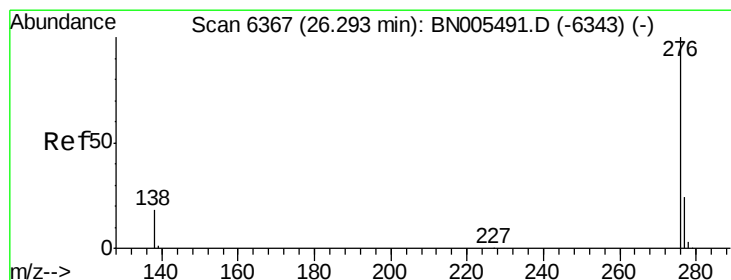
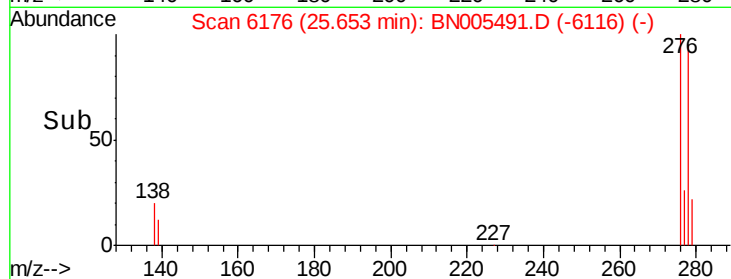
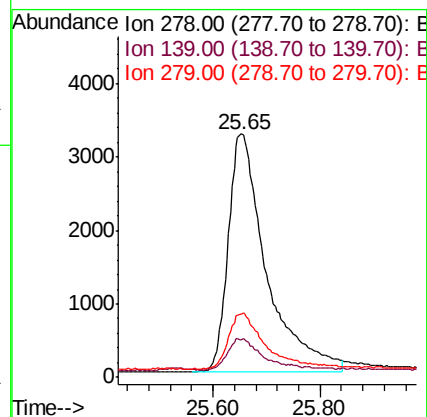
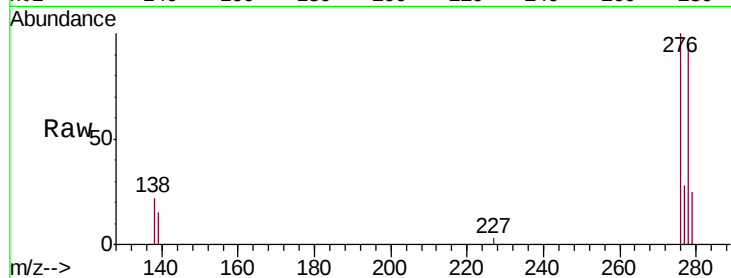




#25
Dibenzo(a,h)anthracene
Concen: 0.393 ng/u1
RT: 25.65 min Scan# 6176
Delta R.T. 0.00 min
Lab File: BN005491.D
Acq: 06 May 2019 18:45

Instrument :
BNA_N
ClientSampleId :
SSTD0.460

Tgt Ion: 278 Resp: 16018
Ion Ratio Lower Upper
278 100
139 15.5 12.4 18.6
279 26.2 21.0 31.4



#26
Benzo(g,h,i)perylene
Concen: 0.390 ng/u1
RT: 26.29 min Scan# 6367
Delta R.T. 0.00 min
Lab File: BN005491.D
Acq: 06 May 2019 18:45

Tgt Ion: 276 Resp: 16438
Ion Ratio Lower Upper
276 100
138 19.5 15.6 23.4
277 25.8 20.6 31.0

