

Data File : BN003830.D
Acq On : 12 Dec 2018 00:15
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.499

Quant Time: Dec 12 02:57:30 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 02:52:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	4750	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	18626	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	8737	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	16685	0.40	ng/ul	0.00
16) Chrysene-d12	21.39	240	11920	0.40	ng/ul	0.00
20) Perylene-d12	23.71	264	12285	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	10165	0.36	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	14791	0.30	ng/ul	0.00

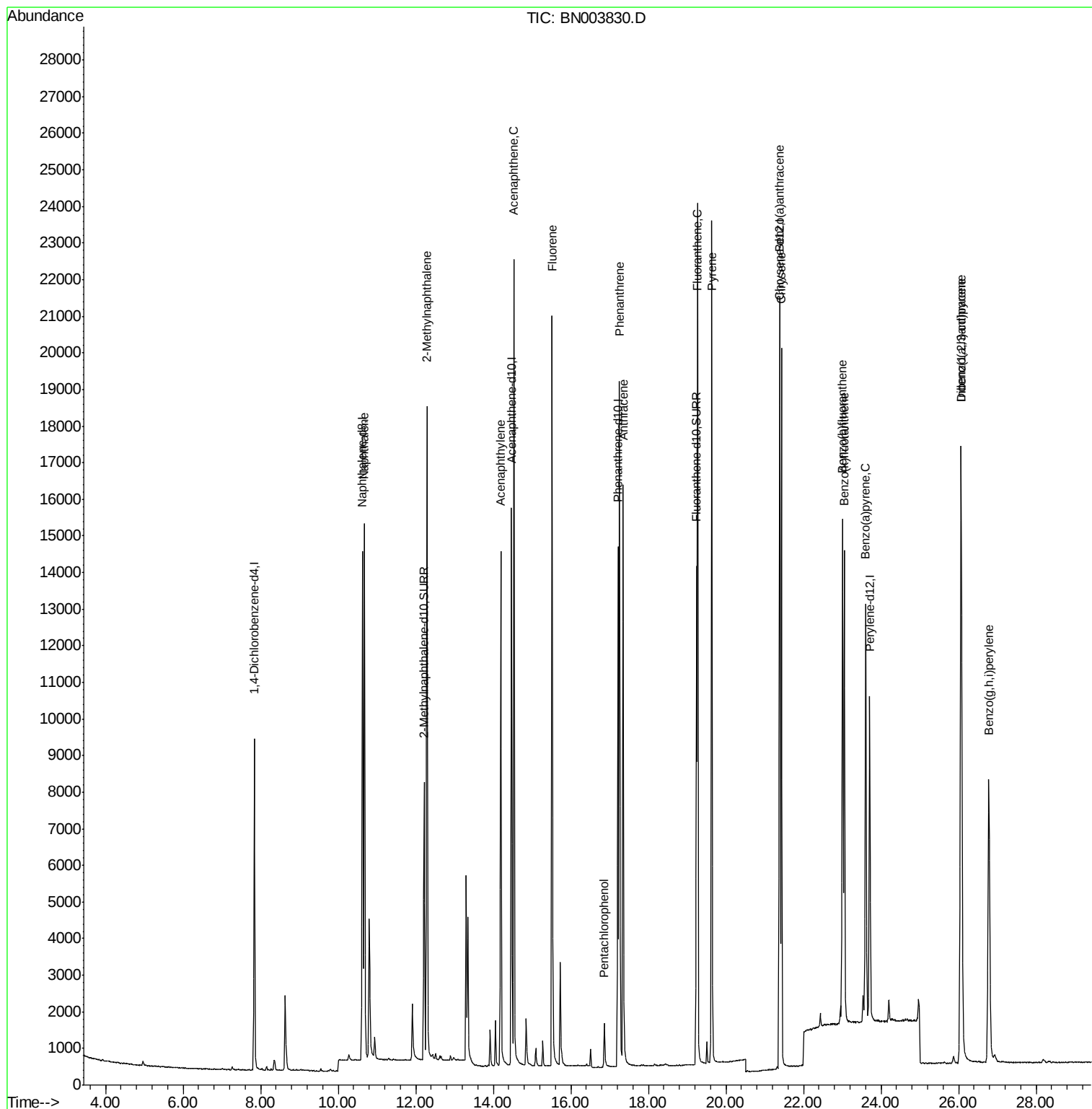
Target Compounds					Qvalue
3) Naphthalene	10.68	128	20146	0.385 ng/ul	99
5) 2-Methylnaphthalene	12.29	142	13480	0.369 ng/ul	100
7) Acenaphthylene	14.19	152	16469	0.419 ng/ul	99
8) Acenaphthene	14.53	153	13300	0.386 ng/ul	100
9) Fluorene	15.52	166	14053	0.350 ng/ul	100
11) Pentachlorophenol	16.86	266	1088	0.362 ng/ul	98
12) Phenanthrene	17.25	178	20763	0.379 ng/ul	99
13) Anthracene	17.35	178	17997	0.400 ng/ul	100
15) Fluoranthene	19.27	202	20101	0.311 ng/ul	95
17) Pyrene	19.63	202	19954	0.467 ng/ul	98
18) Benzo(a)anthracene	21.38	228	16149	0.429 ng/ul	99
19) Chrysene	21.43	228	16465	0.382 ng/ul	100
21) Benzo(b)fluoranthene	23.00	252	17552	0.345 ng/ul	96
22) Benzo(k)fluoranthene	23.05	252	17551	0.355 ng/ul	97
23) Benzo(a)pyrene	23.60	252	16914	0.384 ng/ul	97
24) Indeno(1,2,3-cd)pyrene	26.06	276	20923	0.415 ng/ul#	97
25) Dibenzo(a,h)anthracene	26.07	278	16667	0.410 ng/ul	98
26) Benzo(g,h,i)perylene	26.78	276	17956	0.409 ng/ul	98

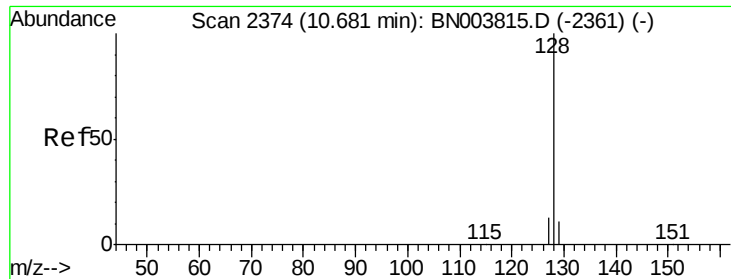
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.385 ng/ul

RT: 10.68 min Scan# 2373

Delta R.T. -0.01 min

Lab File: BN003830.D

Acq: 12 Dec 2018 00:15

Instrument :

BNA_N

ClientSampleId :

SSTD0.499

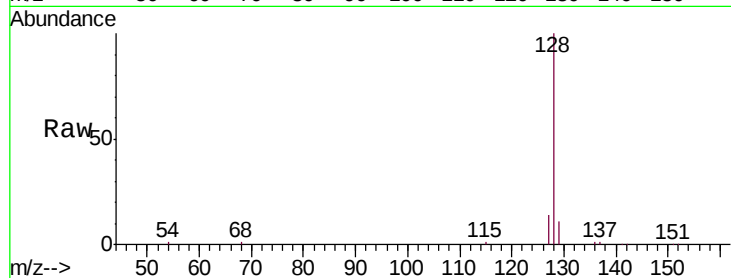
Tgt Ion:128 Resp: 20146

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

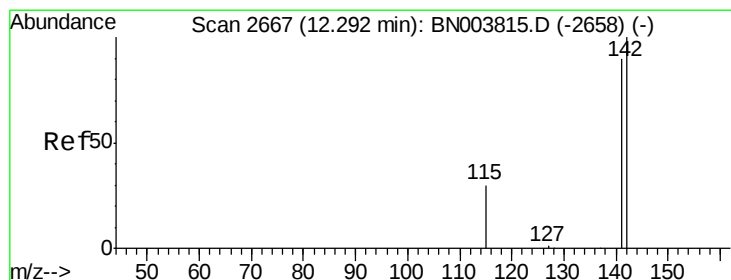
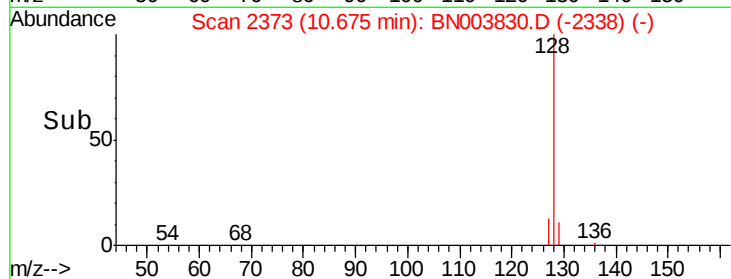
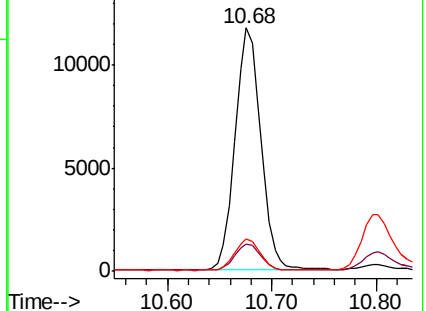
127 13.5 10.5 15.7



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: 0.369 ng/ul

RT: 12.29 min Scan# 2666

Delta R.T. -0.01 min

Lab File: BN003830.D

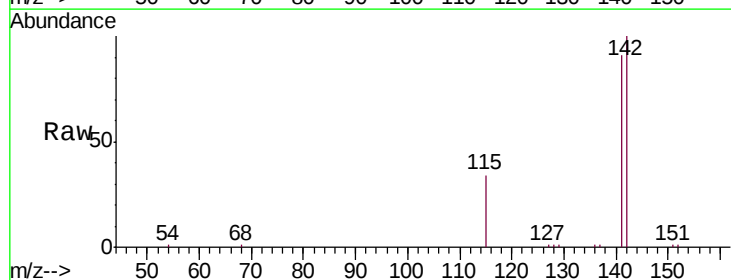
Acq: 12 Dec 2018 00:15

Tgt Ion:142 Resp: 13480

Ion Ratio Lower Upper

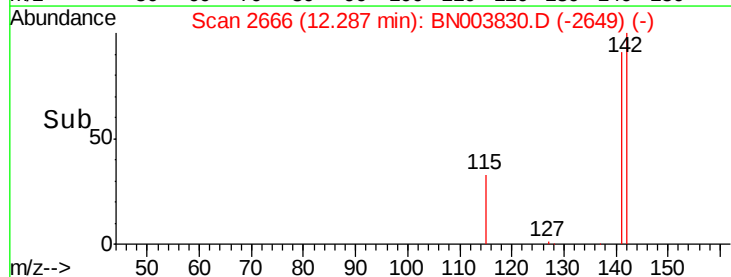
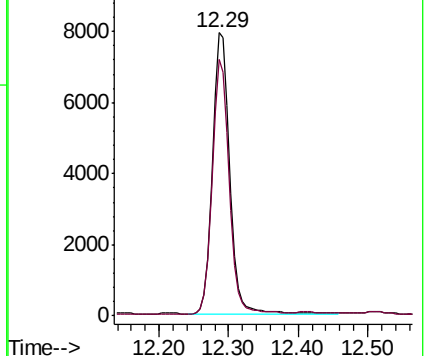
142 100

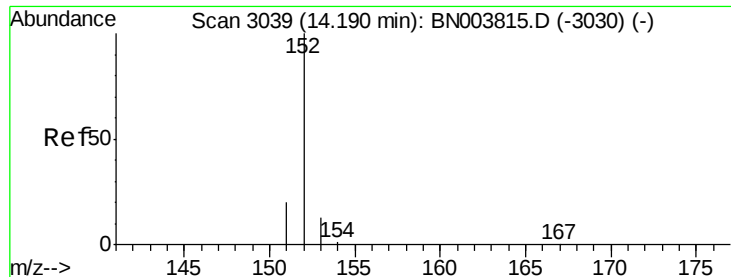
141 89.5 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.419 ng/ul

RT: 14.19 min Scan# 3039

Delta R.T. -0.00 min

Lab File: BN003830.D

Acq: 12 Dec 2018 00:15

Instrument :

BNA_N

ClientSampleId :

SSTD0.499

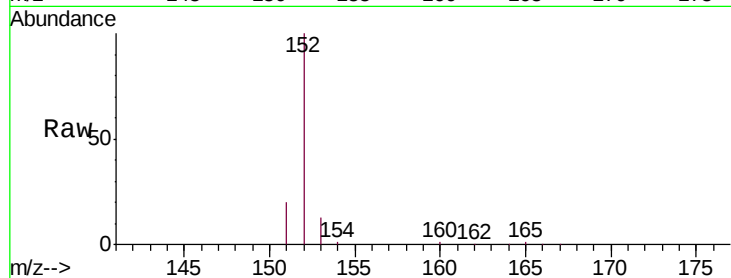
Tgt Ion:152 Resp: 16469

Ion Ratio Lower Upper

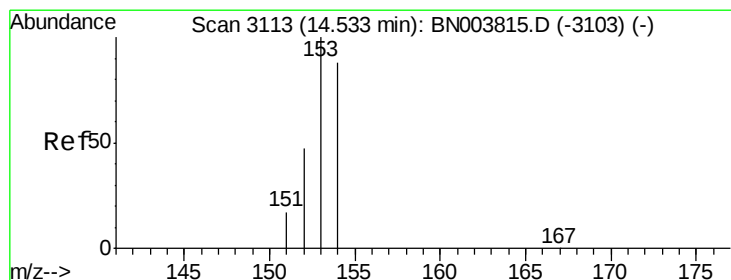
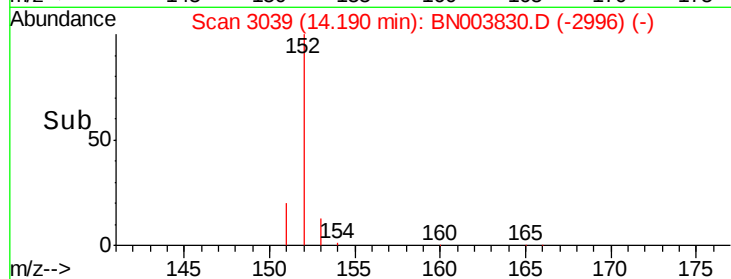
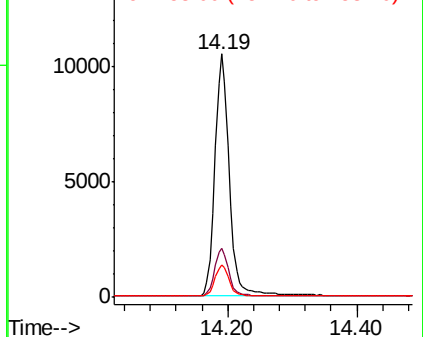
152 100

151 20.3 15.9 23.9

153 13.4 10.7 16.1



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: 0.386 ng/ul

RT: 14.53 min Scan# 3112

Delta R.T. -0.00 min

Lab File: BN003830.D

Acq: 12 Dec 2018 00:15

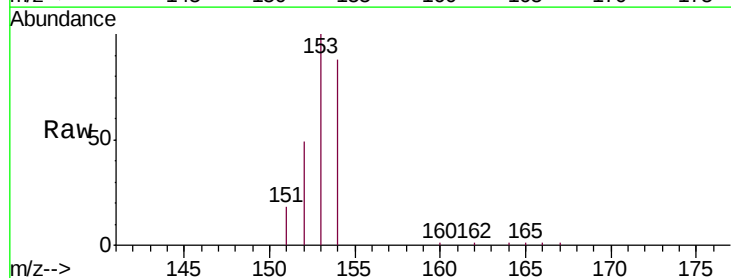
Tgt Ion:153 Resp: 13300

Ion Ratio Lower Upper

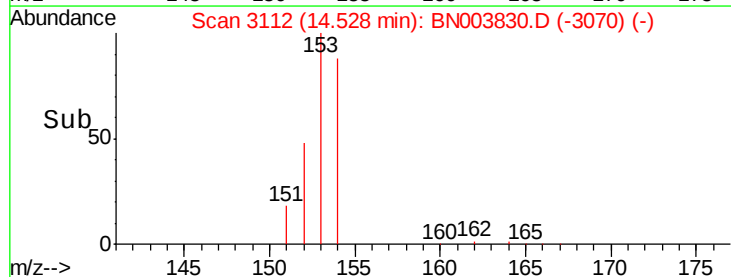
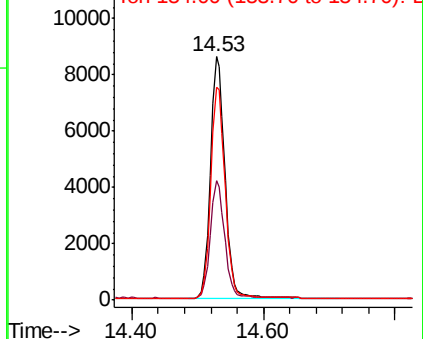
153 100

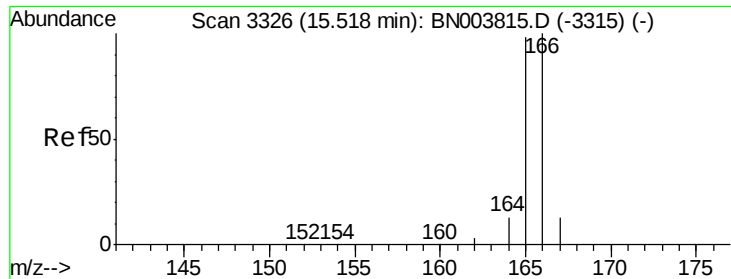
152 49.2 39.3 58.9

154 87.6 70.3 105.5



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

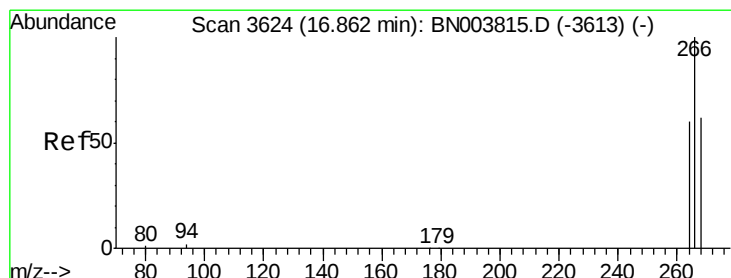
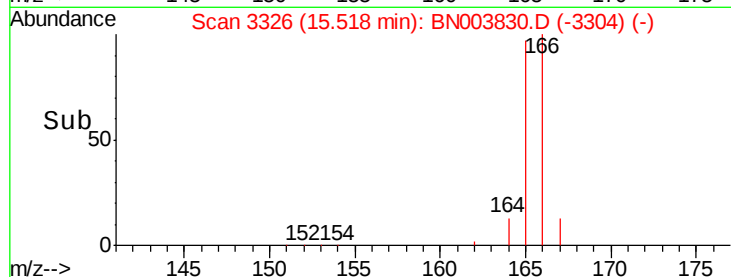
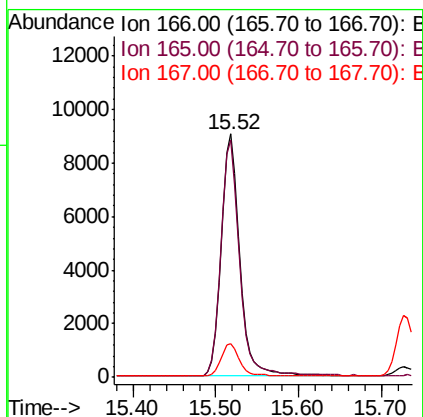
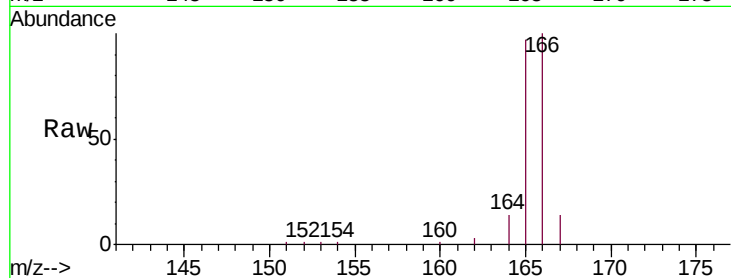




#9
Fluorene
 Concen: 0.350 ng/ul
 RT: 15.52 min Scan# 3326
 Delta R.T. -0.00 min
 Lab File: BN003830.D
 Acq: 12 Dec 2018 00:15

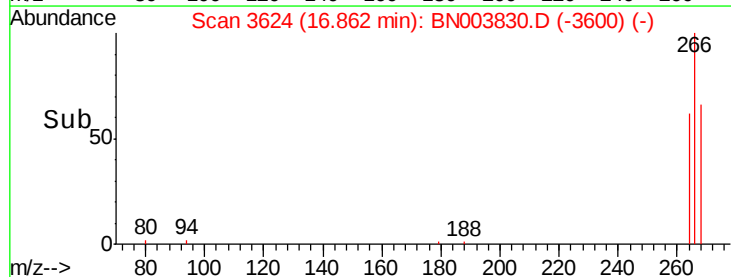
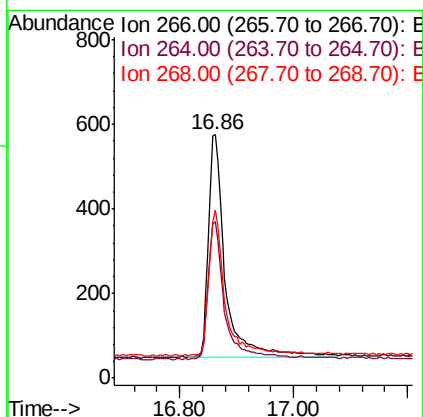
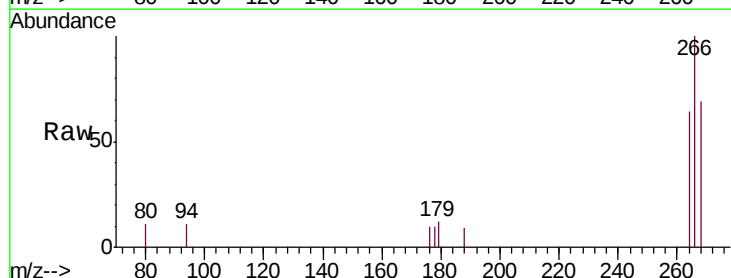
Instrument :
 BNA_N
 ClientSampleId :
 SST0.499

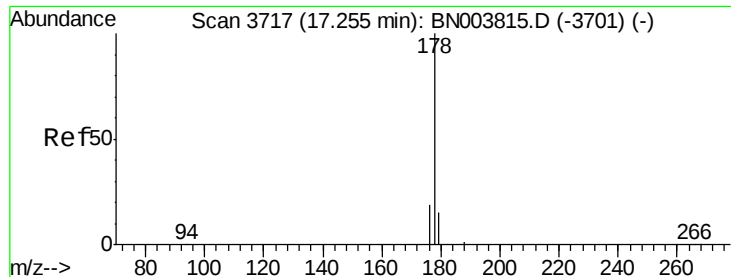
Tgt Ion:166 Resp: 14053
 Ion Ratio Lower Upper
 166 100
 165 97.5 78.3 117.5
 167 13.9 11.3 16.9



#11
Pentachlorophenol
 Concen: 0.362 ng/ul
 RT: 16.86 min Scan# 3624
 Delta R.T. -0.00 min
 Lab File: BN003830.D
 Acq: 12 Dec 2018 00:15

Tgt Ion:266 Resp: 1088
 Ion Ratio Lower Upper
 266 100
 264 59.7 49.4 74.2
 268 62.9 51.7 77.5





#12

Phenanthrene

Concen: 0.379 ng/ul

RT: 17.25 min Scan# 3717

Delta R.T. -0.00 min

Lab File: BN003830.D

Acq: 12 Dec 2018 00:15

Instrument :

BNA_N

ClientSampleId :

SSTD0.499

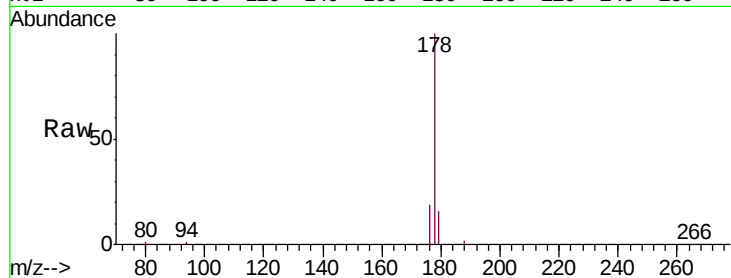
Tgt Ion:178 Resp: 20763

Ion Ratio Lower Upper

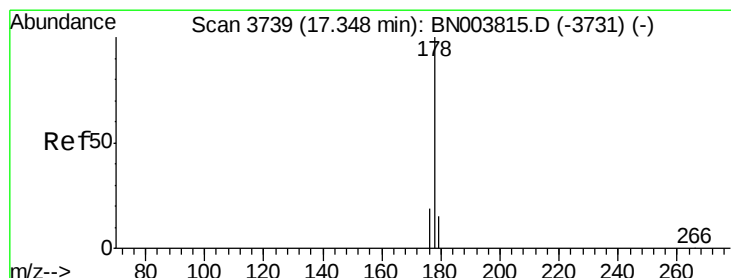
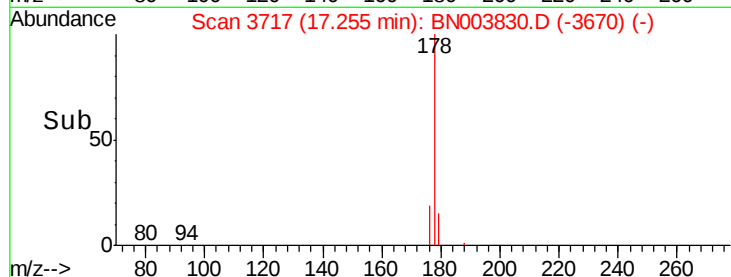
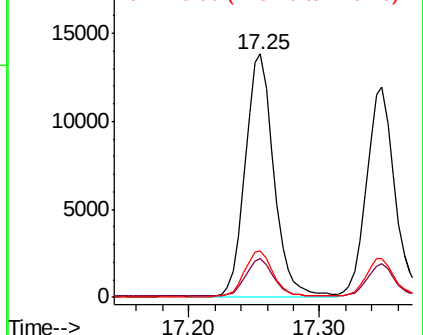
178 100

179 15.7 12.5 18.7

176 19.3 15.0 22.4



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: 0.400 ng/ul

RT: 17.35 min Scan# 3739

Delta R.T. -0.00 min

Lab File: BN003830.D

Acq: 12 Dec 2018 00:15

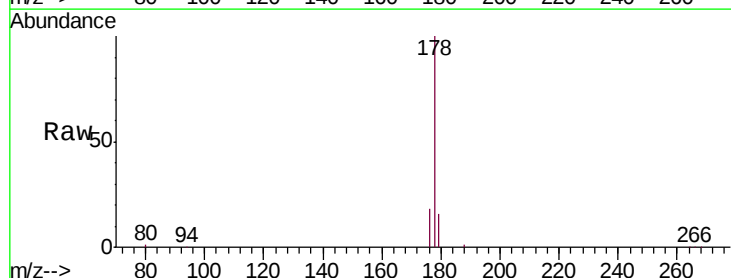
Tgt Ion:178 Resp: 17997

Ion Ratio Lower Upper

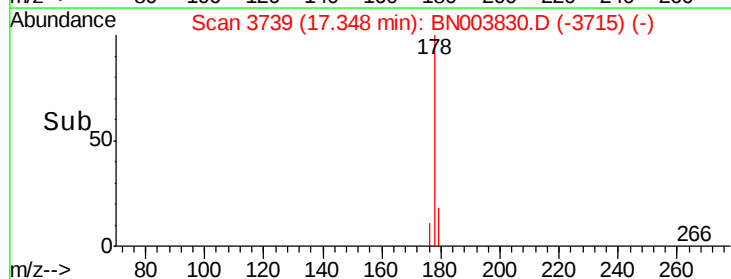
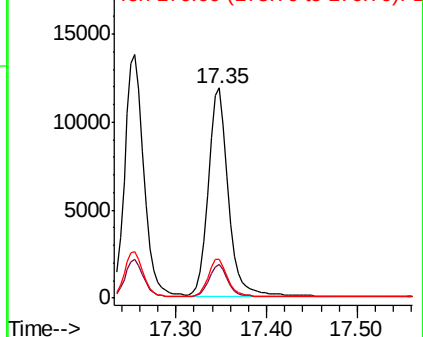
178 100

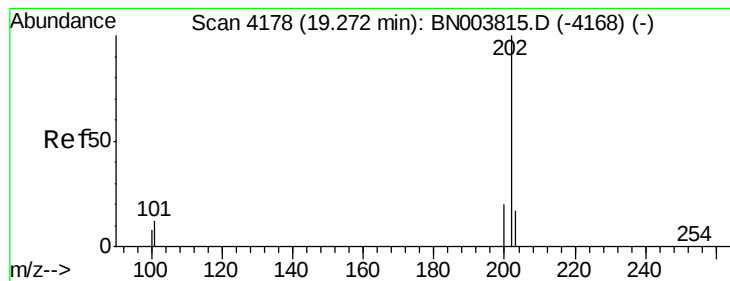
179 15.8 12.3 18.5

176 18.5 14.8 22.2



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: 0.311 ng/ul

RT: 19.27 min Scan# 4177

Delta R.T. -0.00 min

Lab File: BN003830.D

Acq: 12 Dec 2018 00:15

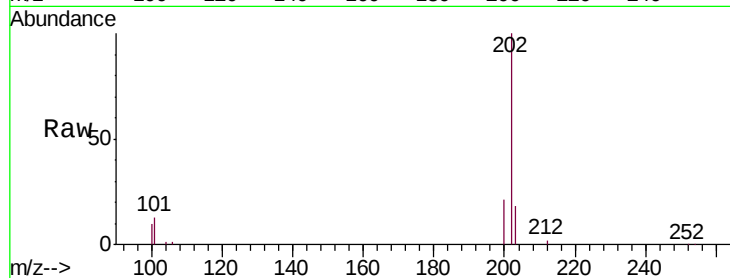
Instrument :

BNA_N

ClientSampleId :

SSTD0.499

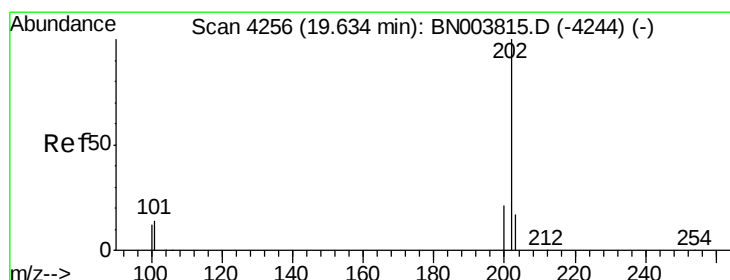
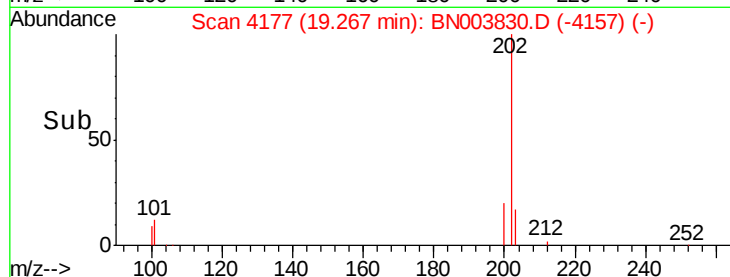
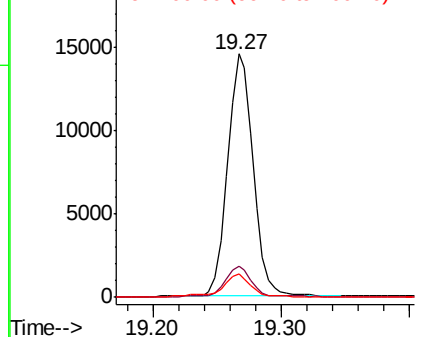
Tgt Ion:	202	Resp:	20101
Ion Ratio	Lower	Upper	
202	100		
101	12.6	0.0	30.7
100	9.6	0.0	28.1



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: 0.467 ng/ul

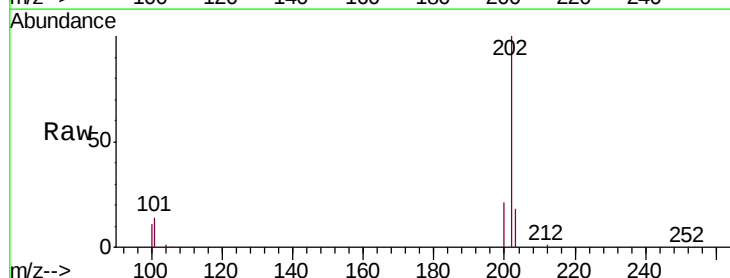
RT: 19.63 min Scan# 4256

Delta R.T. -0.00 min

Lab File: BN003830.D

Acq: 12 Dec 2018 00:15

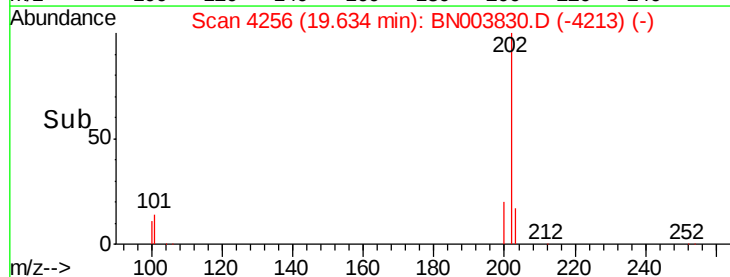
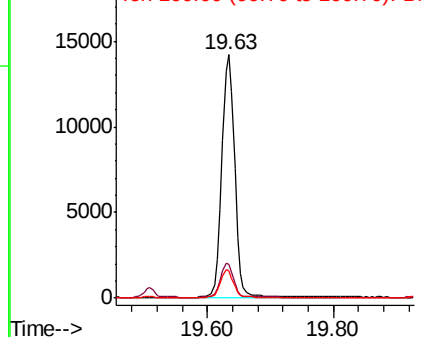
Tgt Ion:	202	Resp:	19954
Ion Ratio	Lower	Upper	
202	100		
101	13.9	10.3	15.5
100	11.2	8.5	12.7

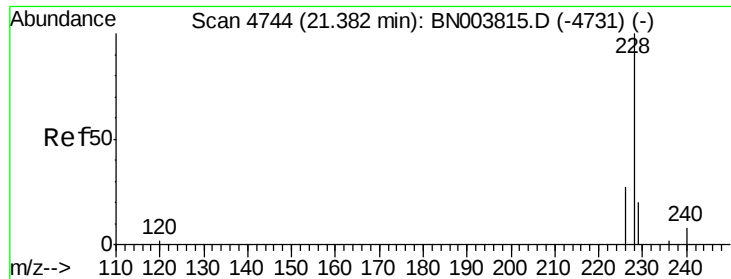


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.429 ng/ul

RT: 21.38 min Scan# 4743

Delta R.T. -0.00 min

Lab File: BN003830.D

Acq: 12 Dec 2018 00:15

Instrument :

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ClientSampleId :

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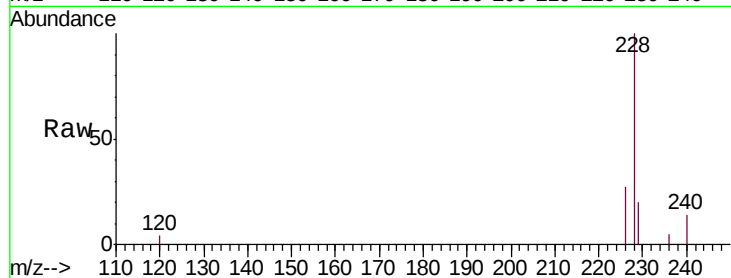
Tgt Ion:228 Resp: 16149

Ion Ratio Lower Upper

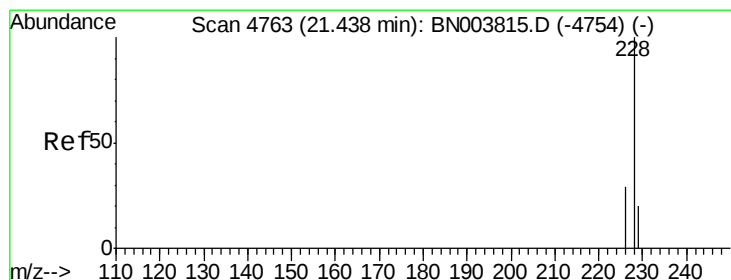
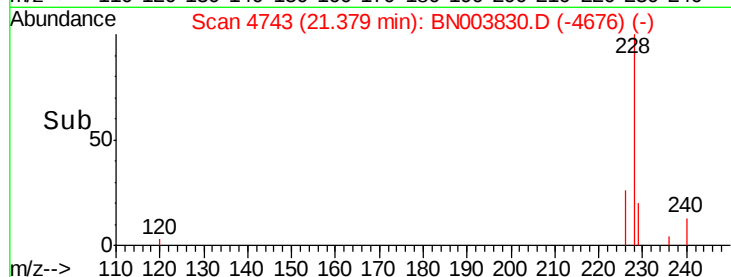
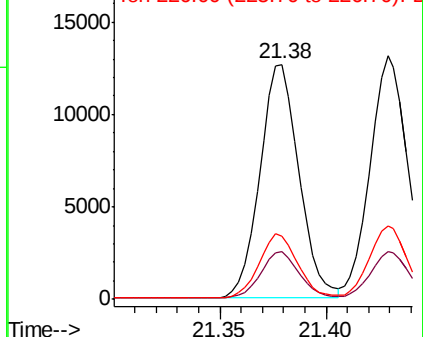
228 100

229 20.1 15.6 23.4

226 26.7 21.1 31.7



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: 0.382 ng/ul

RT: 21.43 min Scan# 4760

Delta R.T. -0.01 min

Lab File: BN003830.D

Acq: 12 Dec 2018 00:15

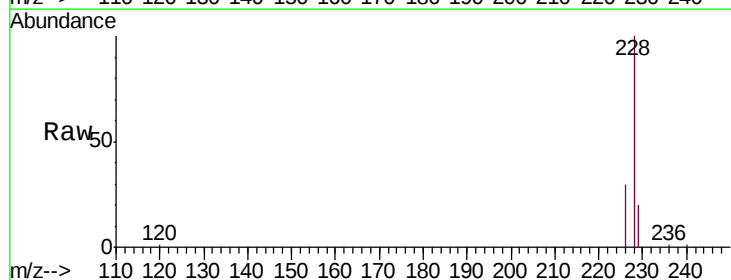
Tgt Ion:228 Resp: 16465

Ion Ratio Lower Upper

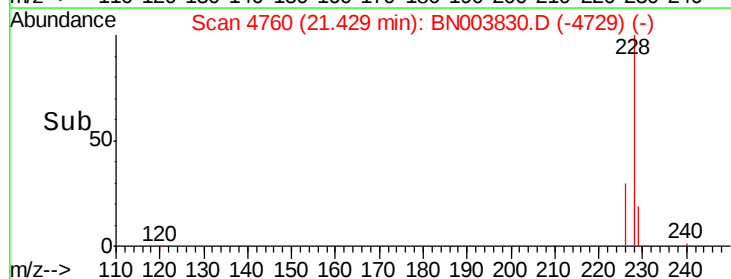
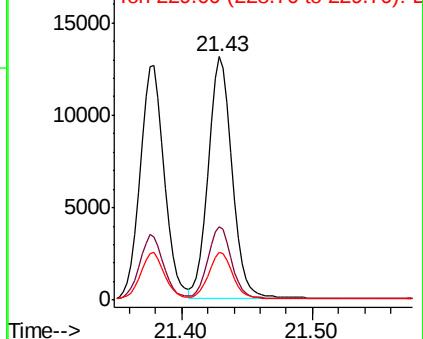
228 100

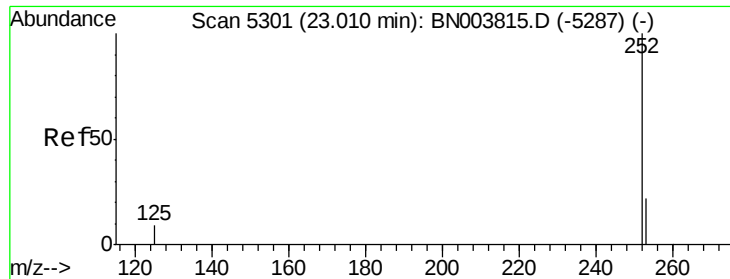
226 30.1 24.0 36.0

229 19.7 15.7 23.5



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: 0.345 ng/ul

RT: 23.00 min Scan# 5299

Delta R.T. -0.01 min

Lab File: BN003830.D

Acq: 12 Dec 2018 00:15

Instrument :

BNA_N

ClientSampleId :

SSTD0.499

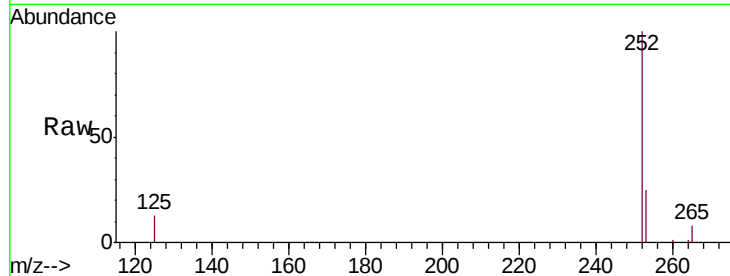
Tgt Ion:252 Resp: 17552

Ion Ratio Lower Upper

252 100

253 24.7 0.0 46.0

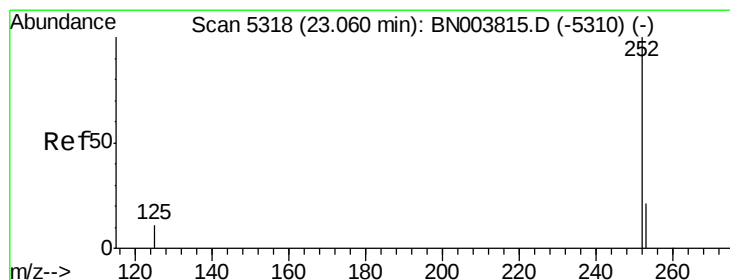
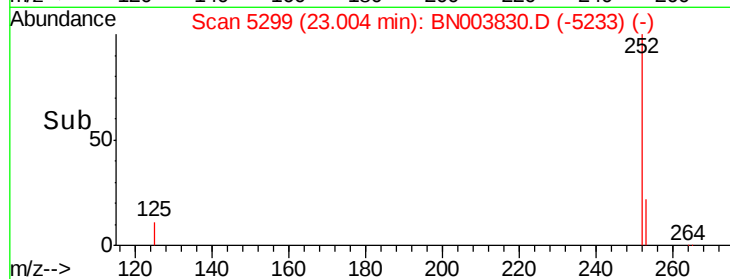
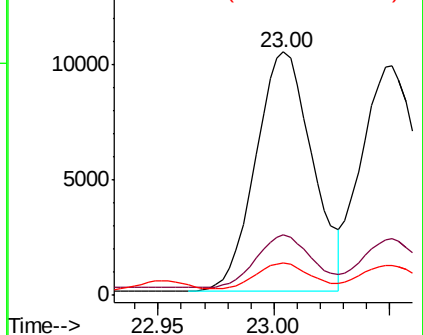
125 13.1 0.0 22.4



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



#22

Benzo(k)fluoranthene

Concen: 0.355 ng/ul

RT: 23.05 min Scan# 5315

Delta R.T. -0.01 min

Lab File: BN003830.D

Acq: 12 Dec 2018 00:15

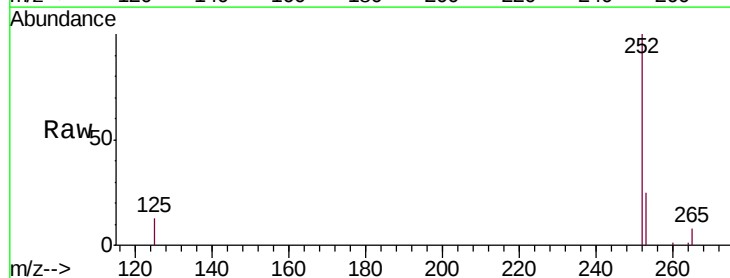
Tgt Ion:252 Resp: 17551

Ion Ratio Lower Upper

252 100

253 24.6 18.5 27.7

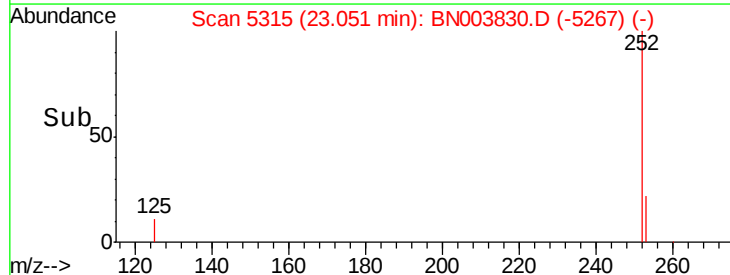
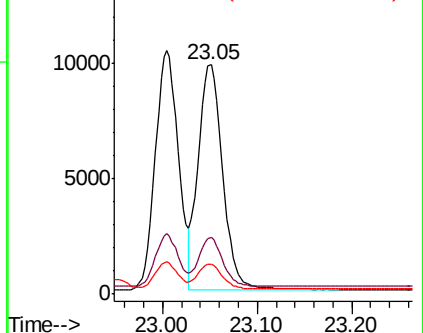
125 12.9 9.0 13.6

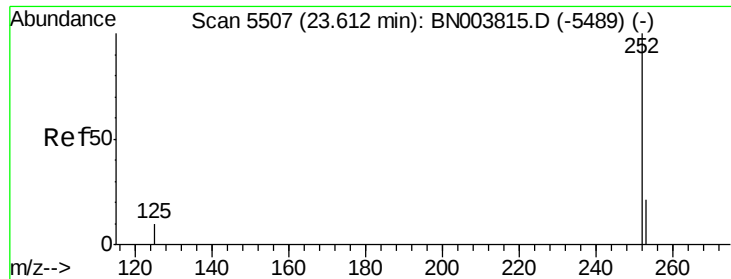


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.384 ng/u1

RT: 23.60 min Scan# 5504

Delta R.T. -0.01 min

Lab File: BN003830.D

Acq: 12 Dec 2018 00:15

Instrument :

BNA_N

ClientSampleId :

SSTD0.499

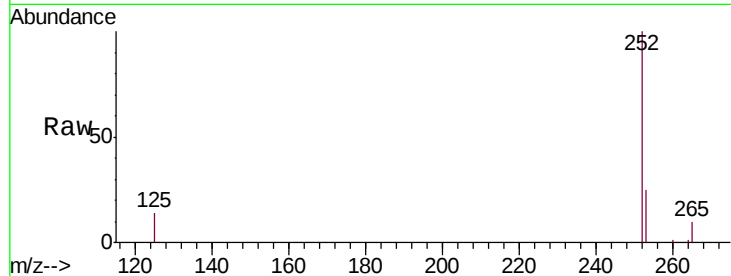
Tgt Ion:252 Resp: 16914

Ion Ratio Lower Upper

252 100

253 25.1 19.0 28.4

125 14.3 10.2 15.4

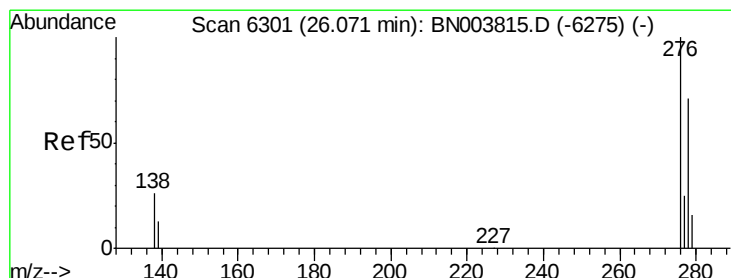
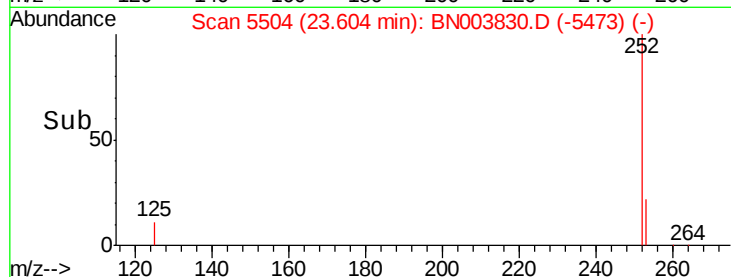
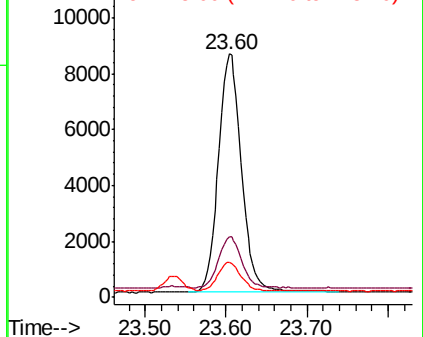


Abundance

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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.415 ng/u1

RT: 26.06 min Scan# 6298

Delta R.T. -0.01 min

Lab File: BN003830.D

Acq: 12 Dec 2018 00:15

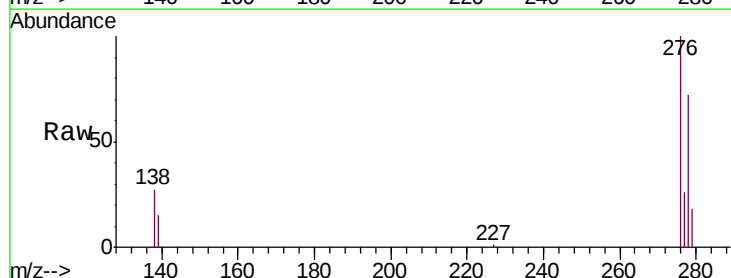
Tgt Ion:276 Resp: 20923

Ion Ratio Lower Upper

276 100

138 26.9 20.3 30.5

227 0.1 0.2 0.2#

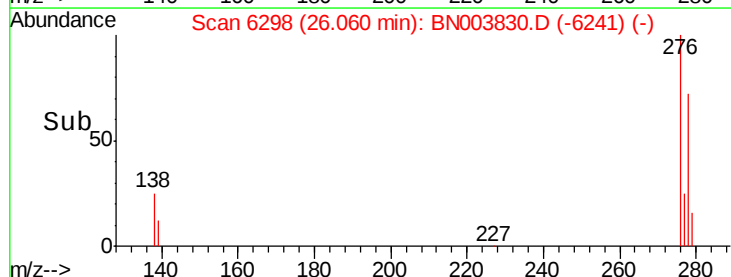
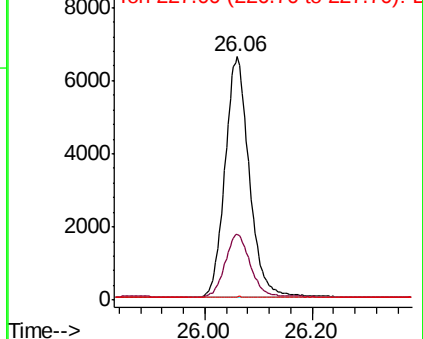


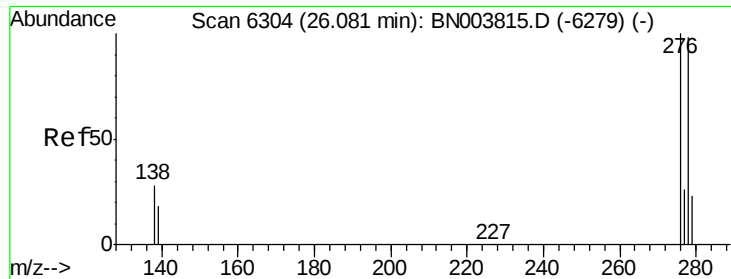
Abundance

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

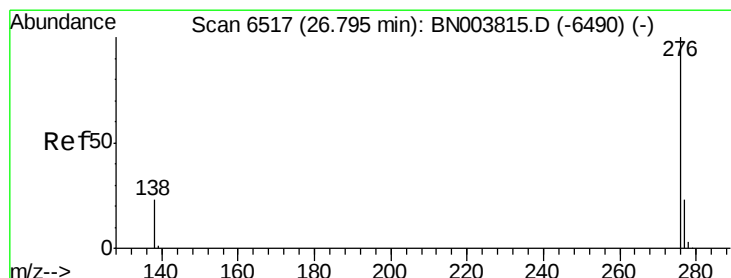
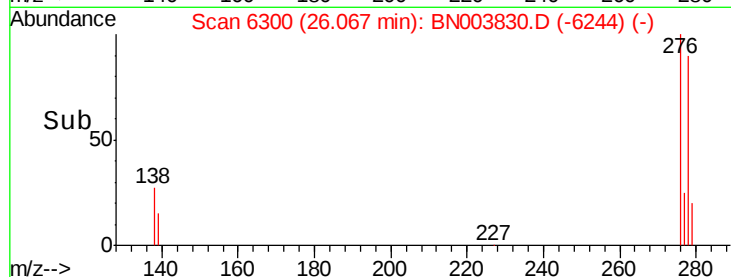
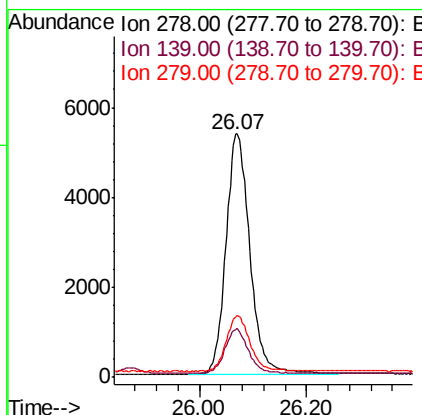
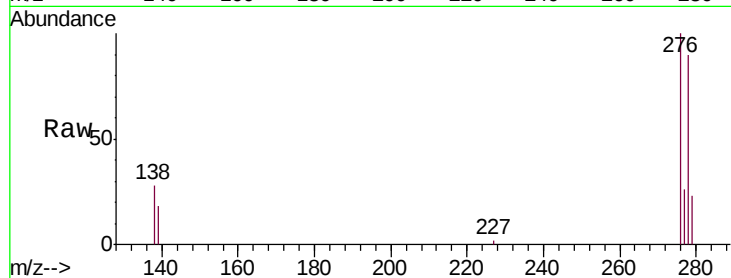




#25
Dibenzo(a,h)anthracene
Concen: 0.410 ng/ul
RT: 26.07 min Scan# 6300
Delta R.T. -0.01 min
Lab File: BN003830.D
Acq: 12 Dec 2018 00:15

Instrument :
BNA_N
ClientSampleId :
SSTD0.499

Tgt Ion: 278 Resp: 16667
Ion Ratio Lower Upper
278 100
139 19.7 14.2 21.4
279 25.1 19.8 29.6



#26
Benzo(g,h,i)perylene
Concen: 0.409 ng/ul
RT: 26.78 min Scan# 6512
Delta R.T. -0.02 min
Lab File: BN003830.D
Acq: 12 Dec 2018 00:15

Tgt Ion: 276 Resp: 17956
Ion Ratio Lower Upper
276 100
138 24.1 17.7 26.5
277 24.4 19.3 28.9

