

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN021419\
 Data File : BN004433.D
 Acq On : 14 Feb 2019 22:42
 Operator : JU/SJ
 Sample : SSTDC00.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 STD0.411

Quant Time: Feb 15 01:24:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 11 14:04:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	838	0.40	ng/ul	0.00
2) Naphthalene-d8	10.53	136	3395	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	2085	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	5752	0.40	ng/ul	0.00
16) Chrysene-d12	21.33	240	7631	0.40	ng/ul	0.00
20) Perylene-d12	23.60	264	8161	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.12	152	2169	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.16	212	7007	0.39	ng/ul	0.00

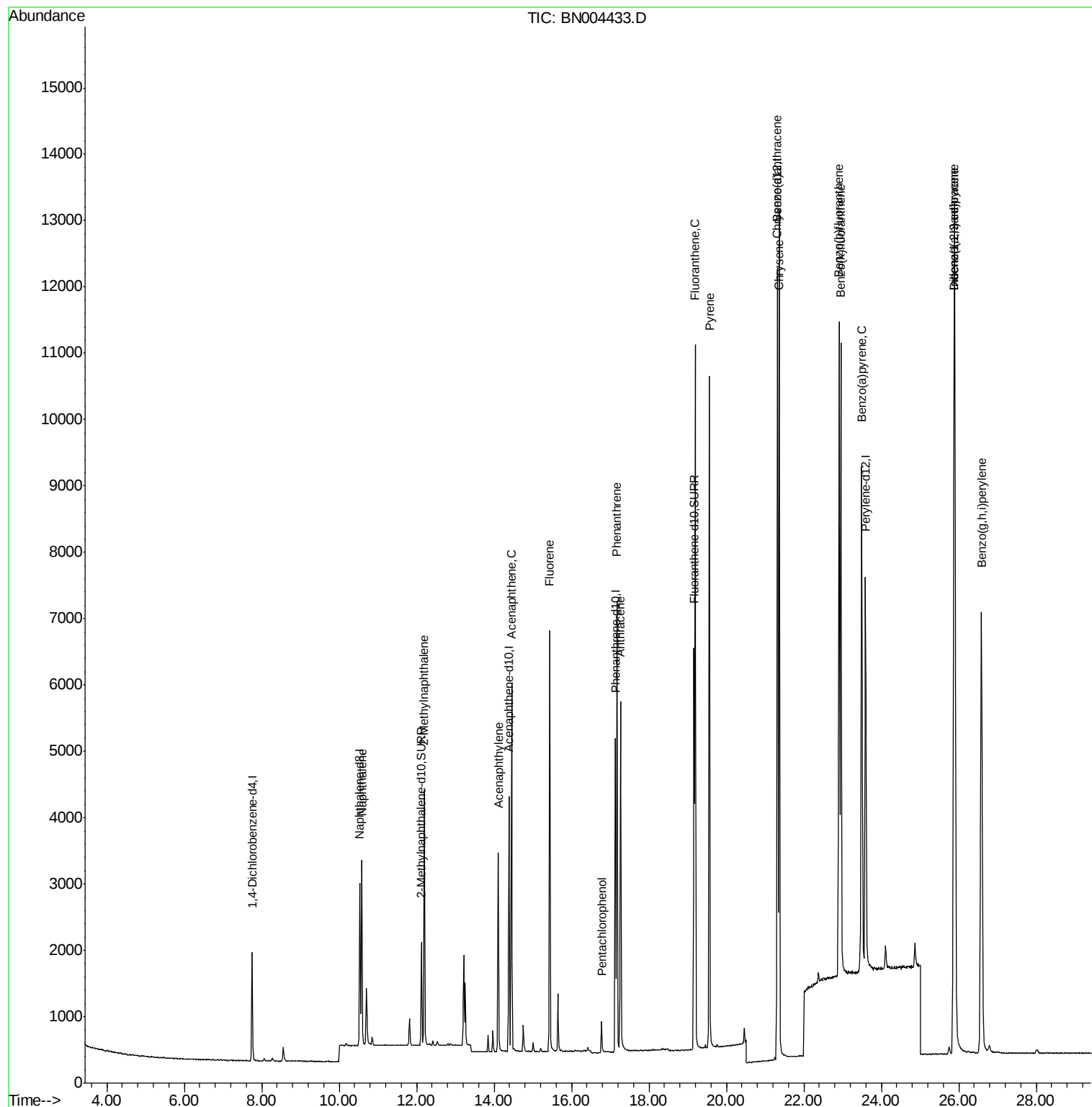
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.58	128	3833	0.393	ng/ul	99
5) 2-Methylnaphthalene	12.20	142	2803	0.402	ng/ul	99
7) Acenaphthylene	14.11	152	3496	0.367	ng/ul	98
8) Acenaphthene	14.45	153	3205	0.388	ng/ul	99
9) Fluorene	15.43	166	3891	0.393	ng/ul	100
11) Pentachlorophenol	16.77	266	363	0.296	ng/ul	99
12) Phenanthrene	17.17	178	7321	0.392	ng/ul	99
13) Anthracene	17.26	178	5884	0.373	ng/ul	100
15) Fluoranthene	19.19	202	8850	0.386	ng/ul	99
17) Pyrene	19.56	202	9046	0.368	ng/ul	99
18) Benzo(a)anthracene	21.31	228	8988	0.365	ng/ul	99
19) Chrysene	21.36	228	11004	0.385	ng/ul	99
21) Benzo(b)fluoranthene	22.91	252	13006	0.399	ng/ul	98
22) Benzo(k)fluoranthene	22.95	252	12287	0.383	ng/ul	99
23) Benzo(a)pyrene	23.49	252	11710	0.401	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.88	276	16142	0.421	ng/ul	100
25) Dibenzo(a,h)anthracene	25.90	278	13216	0.425	ng/ul	99
26) Benzo(g,h,i)perylene	26.59	276	14352	0.413	ng/ul	99

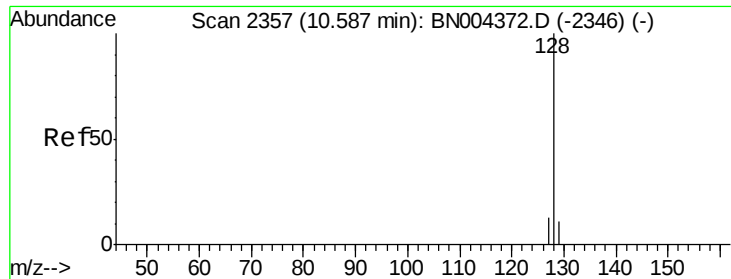
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN004433.D
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#3

Naphthalene

Concen: 0.393 ng/ul

RT: 10.58 min Scan# 2356

Delta R.T. -0.01 min

Lab File: BN004433.D

Acq: 14 Feb 2019 22:42

Instrument :

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ClientSampleId :

STD0.411

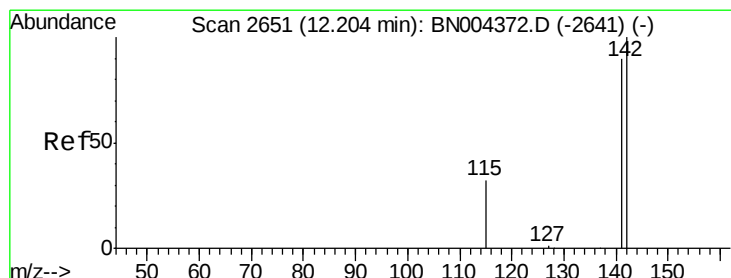
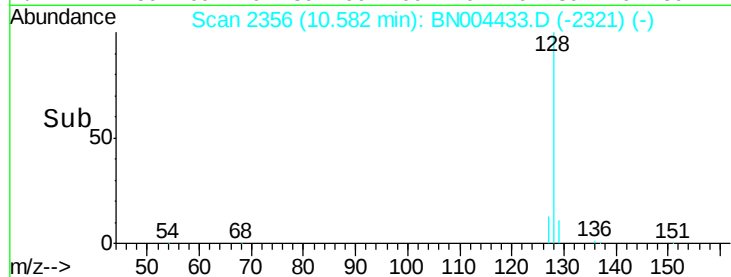
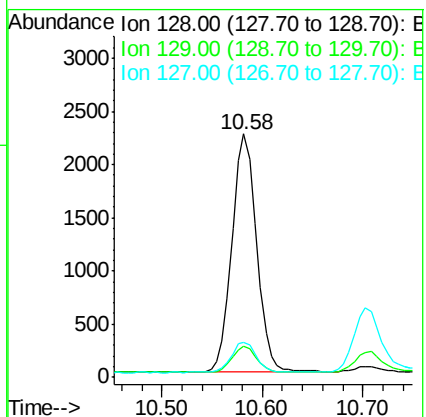
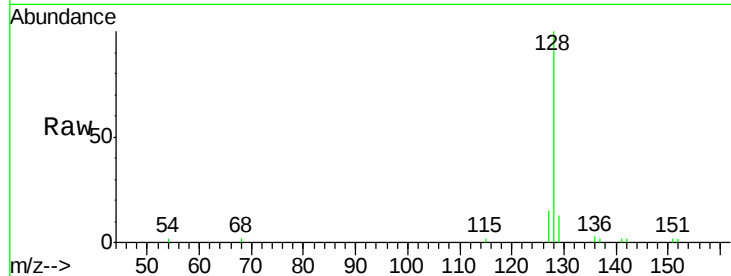
Tgt Ion:128 Resp: 3833

Ion Ratio Lower Upper

128 100

129 12.8 9.8 14.6

127 14.5 11.4 17.0



#5

2-Methylnaphthalene

Concen: 0.402 ng/ul

RT: 12.20 min Scan# 2650

Delta R.T. -0.01 min

Lab File: BN004433.D

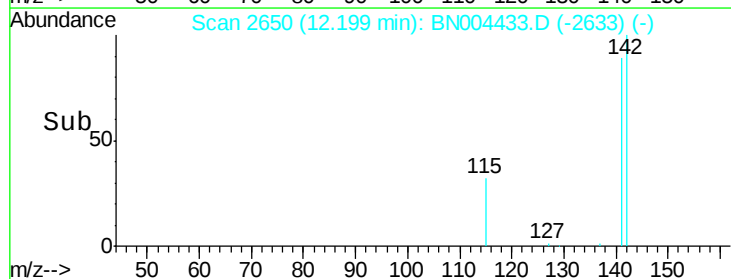
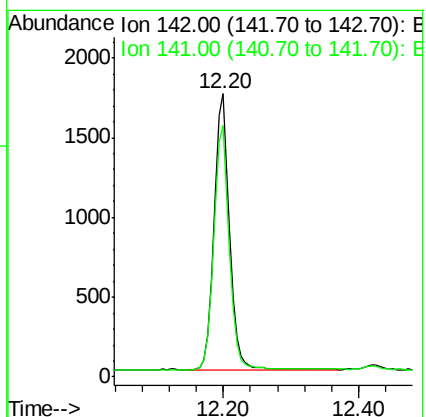
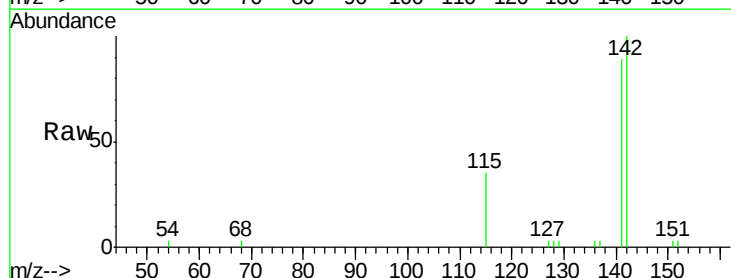
Acq: 14 Feb 2019 22:42

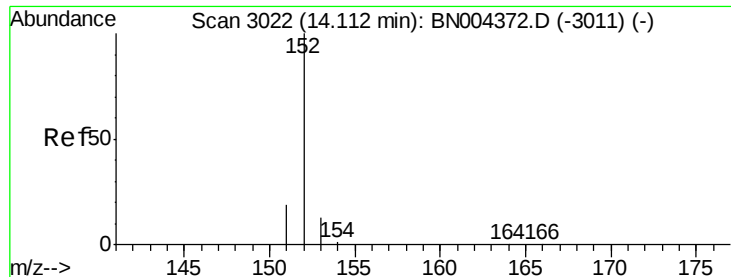
Tgt Ion:142 Resp: 2803

Ion Ratio Lower Upper

142 100

141 89.0 71.8 107.6





#7

Acenaphthylene

Concen: 0.367 ng/ul

RT: 14.11 min Scan# 3021

Delta R.T. -0.00 min

Lab File: BN004433.D

Acq: 14 Feb 2019 22:42

Instrument :

BNA_N

ClientSampleId :

STD0.411

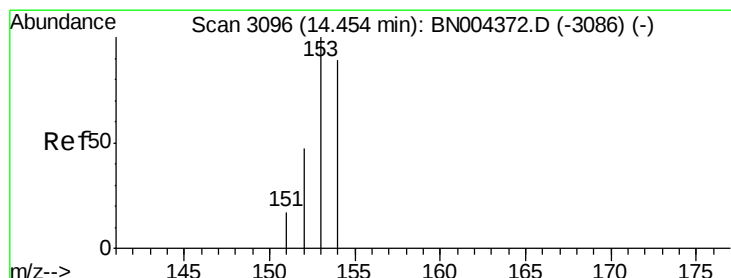
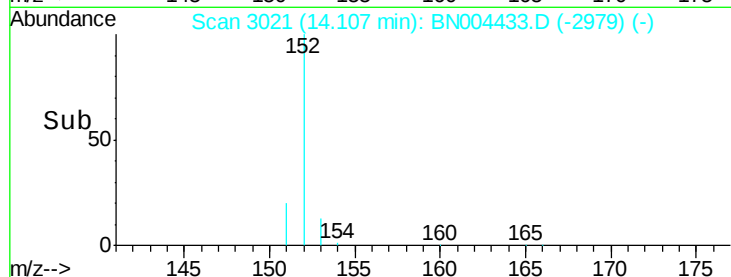
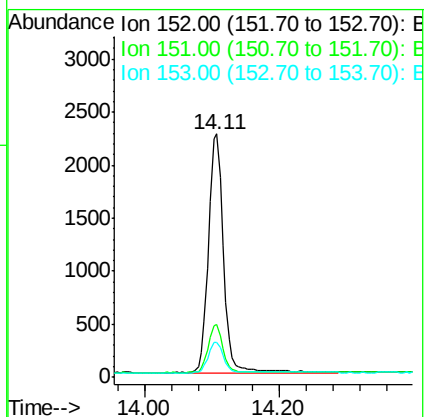
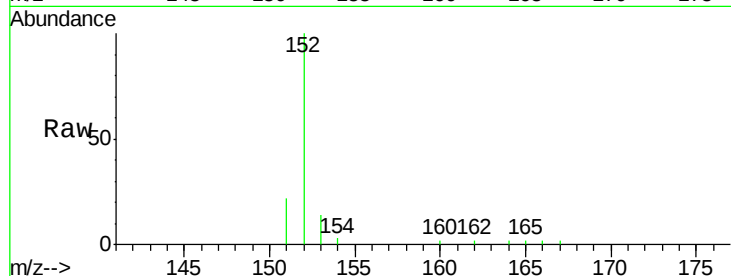
Tgt Ion:152 Resp: 3496

Ion Ratio Lower Upper

152 100

151 21.7 16.6 24.8

153 14.4 11.1 16.7



#8

Acenaphthene

Concen: 0.388 ng/ul

RT: 14.45 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BN004433.D

Acq: 14 Feb 2019 22:42

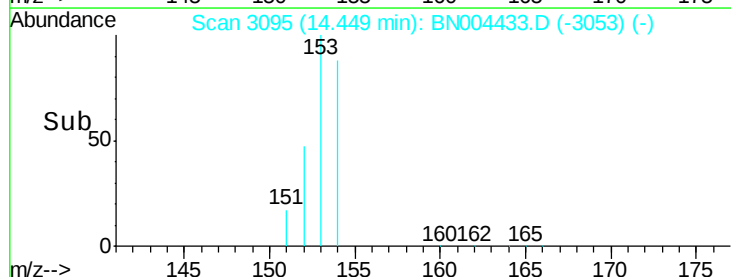
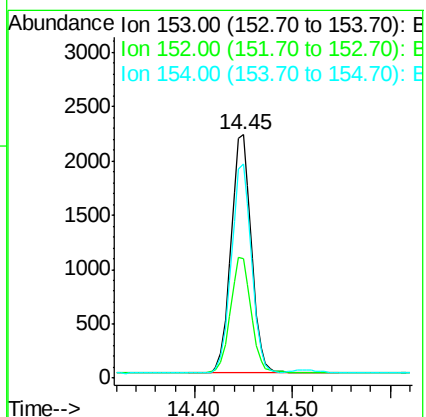
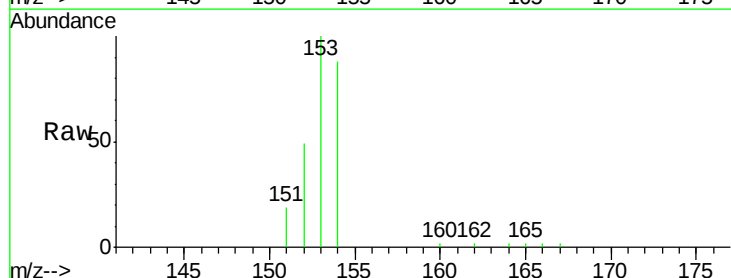
Tgt Ion:153 Resp: 3205

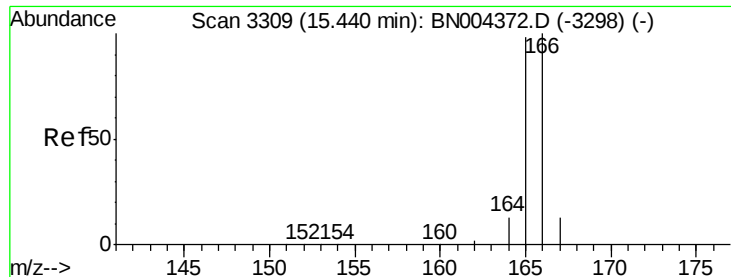
Ion Ratio Lower Upper

153 100

152 48.9 38.4 57.6

154 87.9 71.4 107.0





#9

Fluorene

Concen: 0.393 ng/ul

RT: 15.43 min Scan# 3308

Delta R.T. -0.00 min

Lab File: BN004433.D

Acq: 14 Feb 2019 22:42

Instrument :

BNA_N

ClientSampleId :

STD0.411

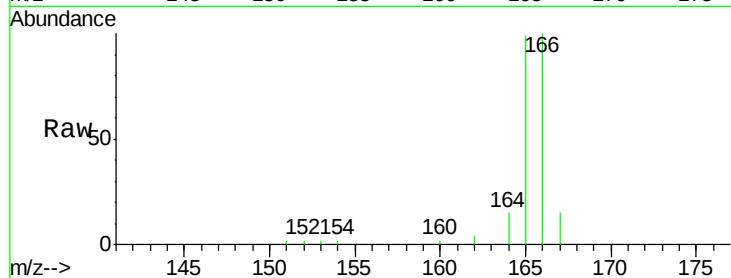
Tgt Ion:166 Resp: 3891

Ion Ratio Lower Upper

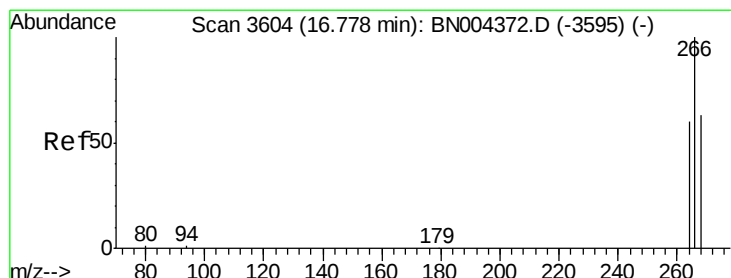
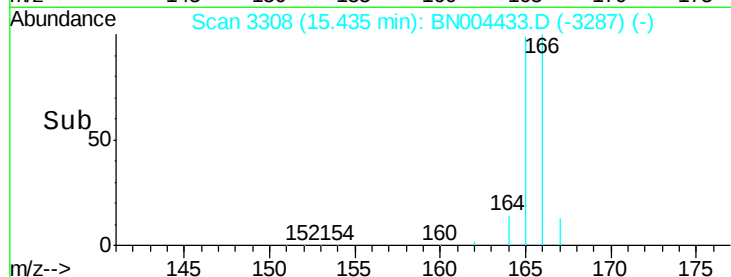
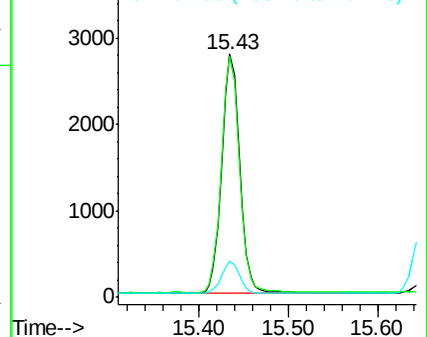
166 100

165 98.8 78.9 118.3

167 14.9 11.6 17.4



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: 0.296 ng/ul

RT: 16.77 min Scan# 3603

Delta R.T. -0.00 min

Lab File: BN004433.D

Acq: 14 Feb 2019 22:42

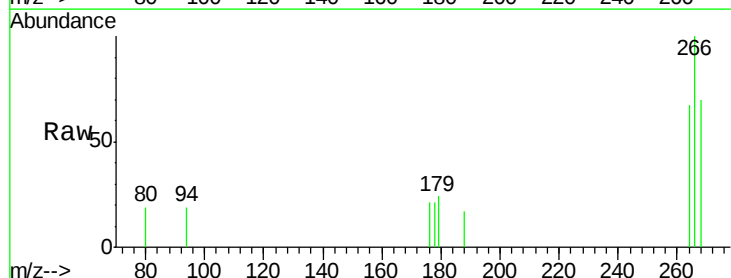
Tgt Ion:266 Resp: 363

Ion Ratio Lower Upper

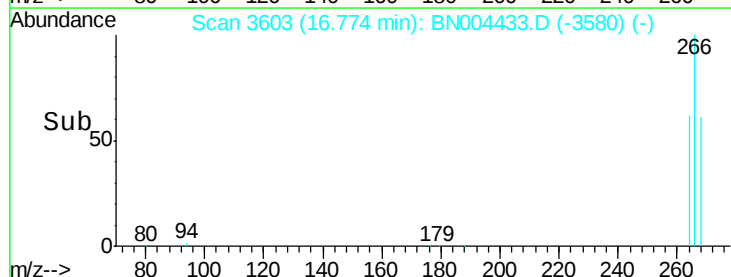
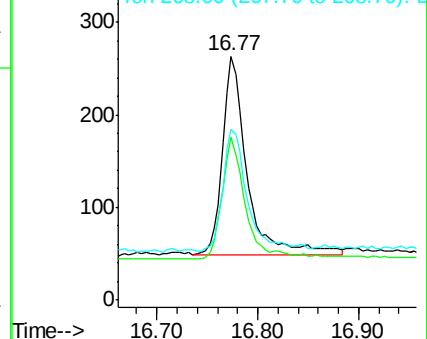
266 100

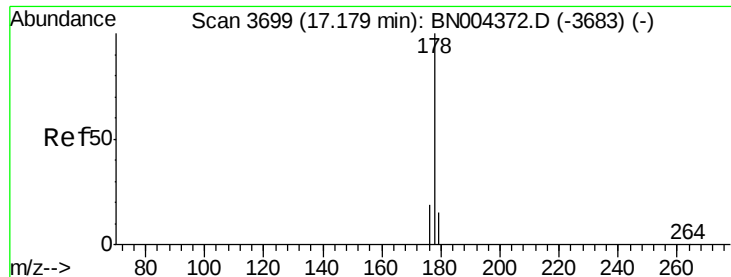
264 64.5 52.3 78.5

268 60.3 49.0 73.6



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: 17.17 min Scan# 3698

Delta R.T. -0.00 min

Lab File: BN004433.D

Acq: 14 Feb 2019 22:42

Instrument :

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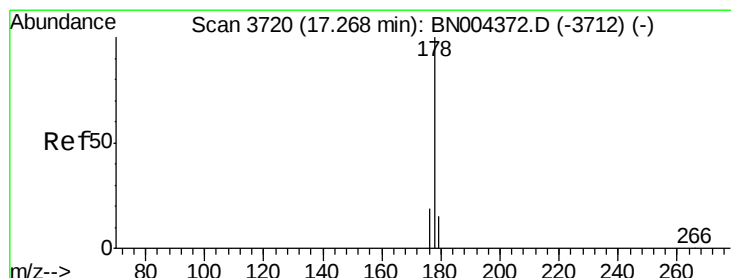
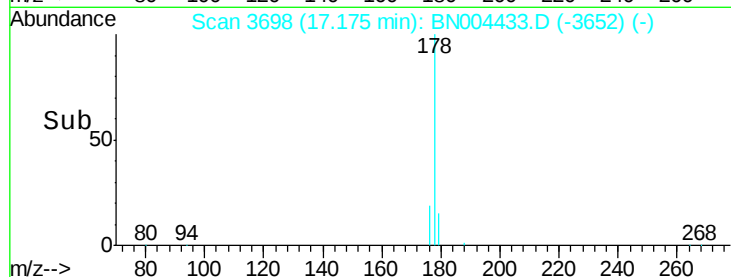
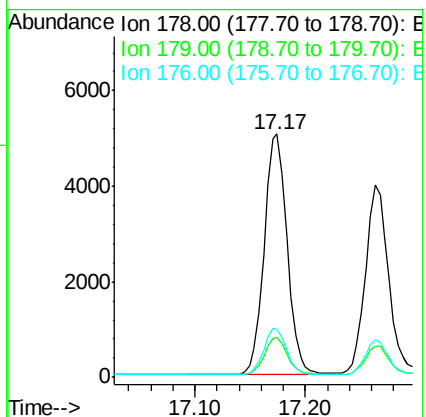
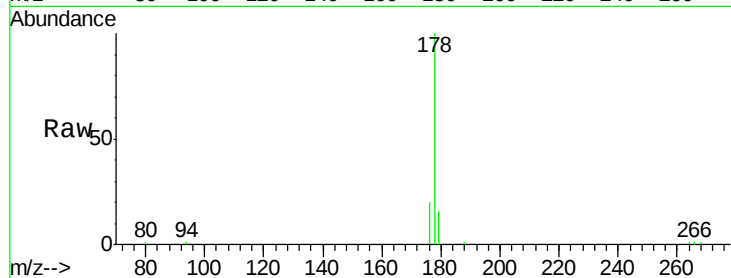
Tgt Ion:178 Resp: 7321

Ion Ratio Lower Upper

178 100

179 16.3 12.6 19.0

176 19.7 15.8 23.6



#13

Anthracene

Concen: 0.373 ng/ul

RT: 17.26 min Scan# 3719

Delta R.T. -0.00 min

Lab File: BN004433.D

Acq: 14 Feb 2019 22:42

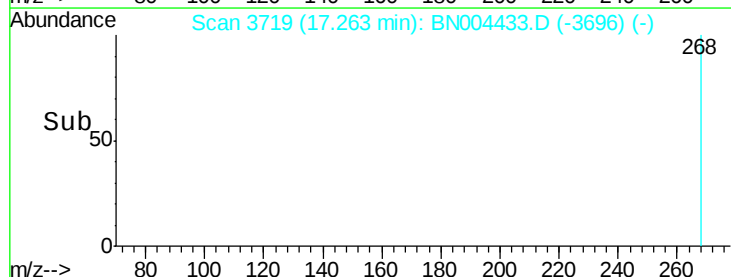
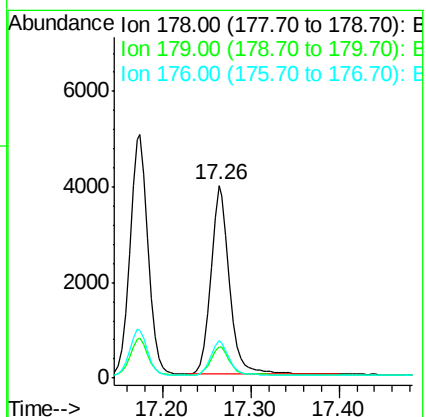
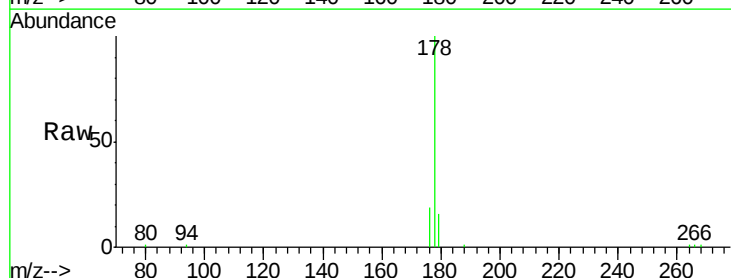
Tgt Ion:178 Resp: 5884

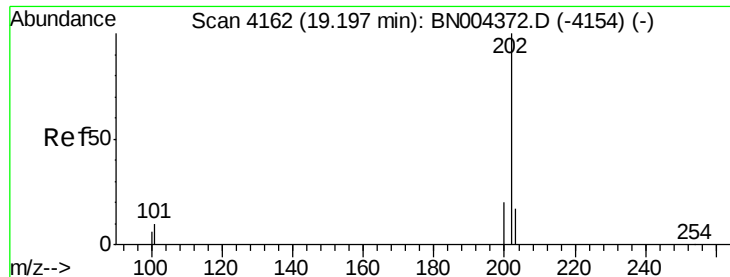
Ion Ratio Lower Upper

178 100

179 16.1 13.0 19.4

176 19.2 15.5 23.3

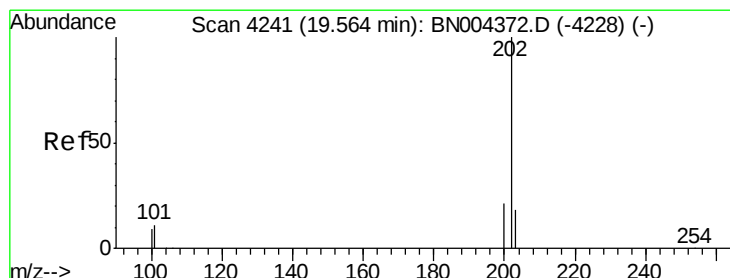
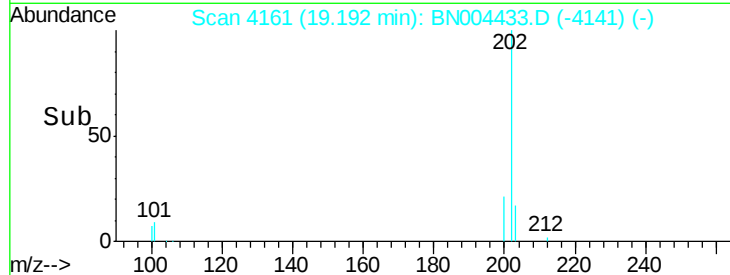
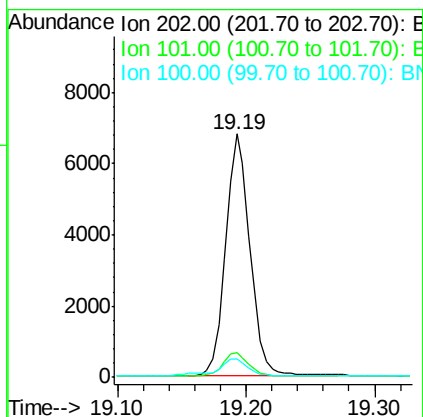
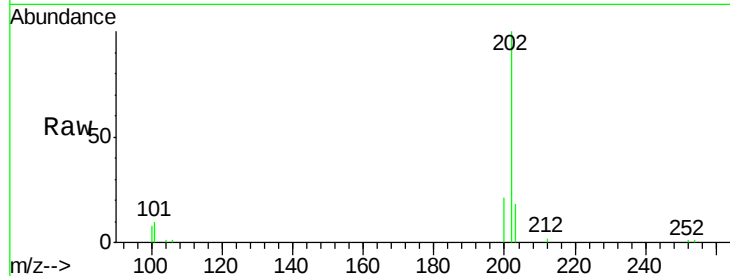




#15
 Fluoranthene
 Concen: 0.386 ng/ul
 RT: 19.19 min Scan# 4161
 Delta R.T. -0.00 min
 Lab File: BN004433.D
 Acq: 14 Feb 2019 22:42

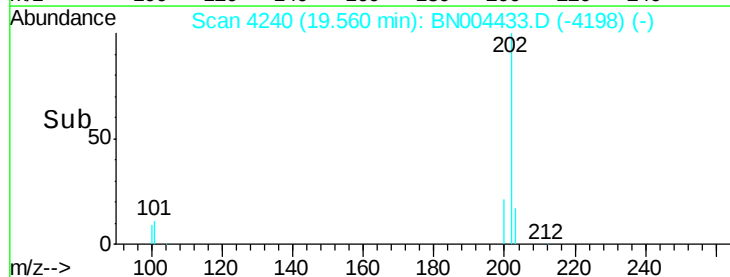
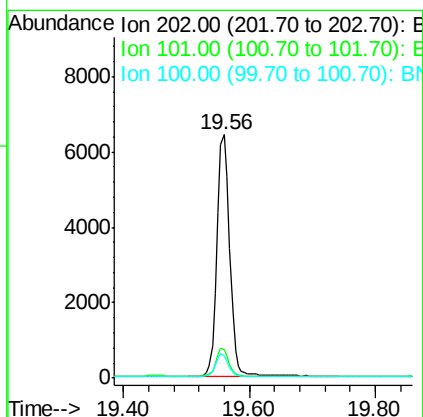
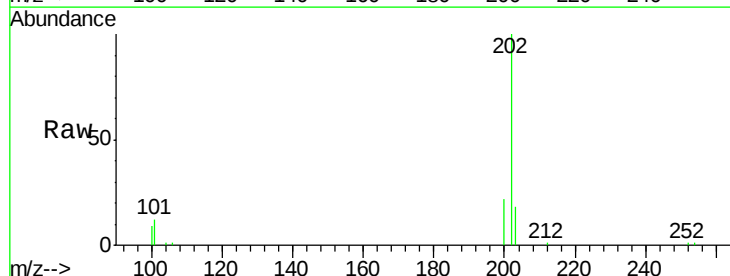
Instrument :
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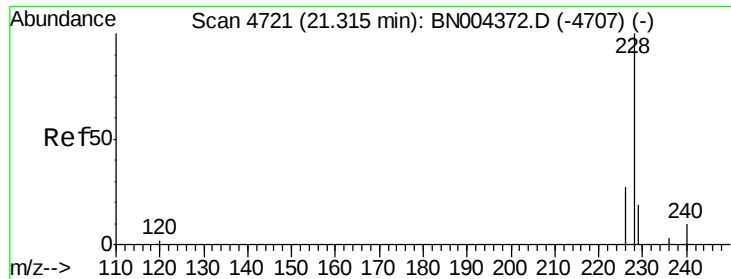
Tgt Ion:202 Resp: 8850
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 30.4
 100 7.7 0.0 27.6



#17
 Pyrene
 Concen: 0.368 ng/ul
 RT: 19.56 min Scan# 4240
 Delta R.T. -0.00 min
 Lab File: BN004433.D
 Acq: 14 Feb 2019 22:42

Tgt Ion:202 Resp: 9046
 Ion Ratio Lower Upper
 202 100
 101 11.6 9.0 13.6
 100 9.3 7.4 11.0





#18

Benzo(a)anthracene

Concen: 0.365 ng/ul

RT: 21.31 min Scan# 4719

Delta R.T. -0.00 min

Lab File: BN004433.D

Acq: 14 Feb 2019 22:42

Instrument :

BNA_N

ClientSampleId :

STD0.411

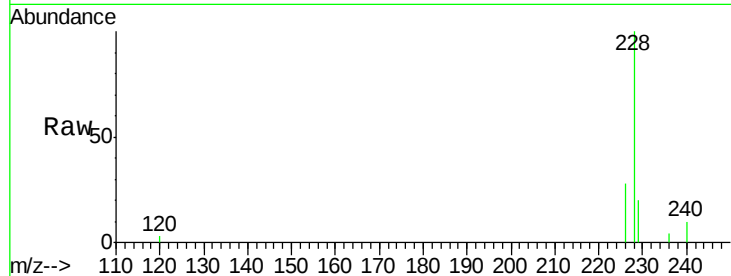
Tgt Ion:228 Resp: 8988

Ion Ratio Lower Upper

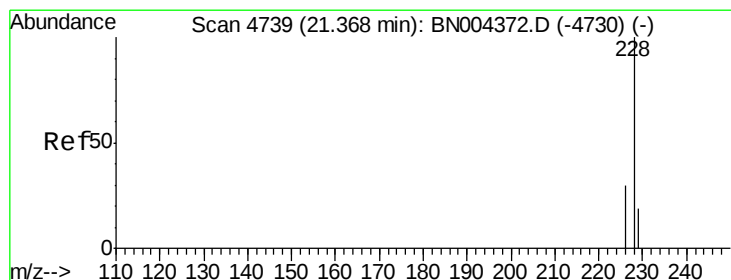
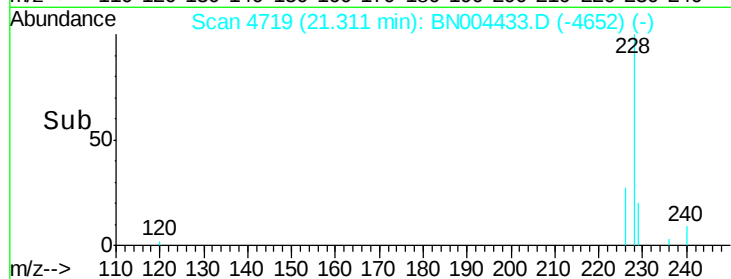
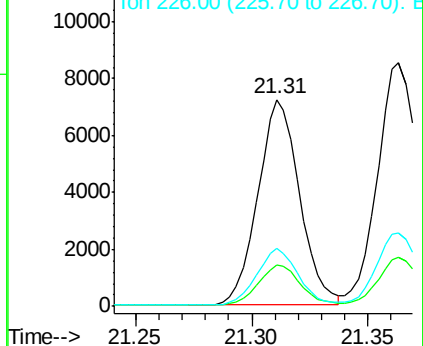
228 100

229 20.1 15.7 23.5

226 27.9 22.1 33.1



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: 0.385 ng/ul

RT: 21.36 min Scan# 4737

Delta R.T. -0.00 min

Lab File: BN004433.D

Acq: 14 Feb 2019 22:42

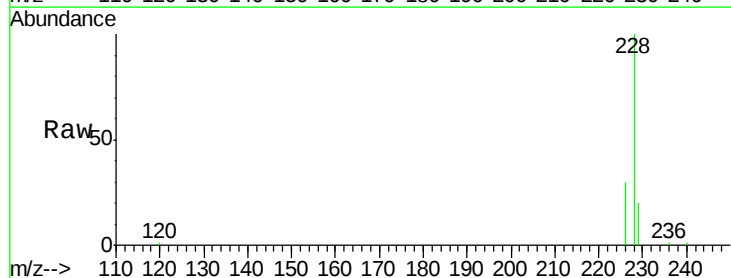
Tgt Ion:228 Resp: 11004

Ion Ratio Lower Upper

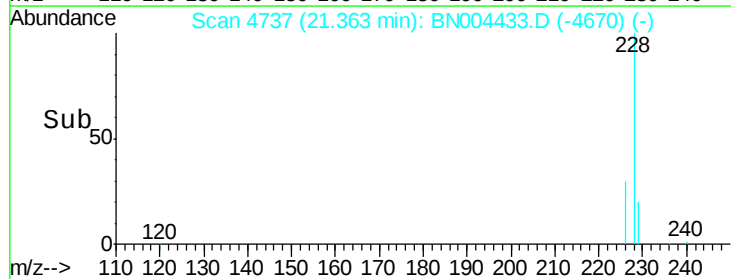
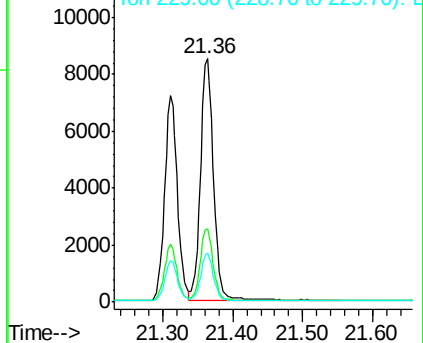
228 100

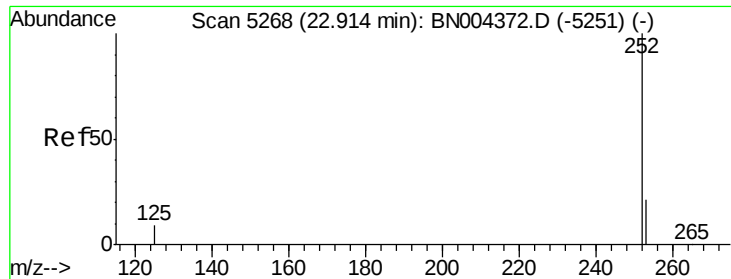
226 30.2 23.8 35.8

229 20.0 15.8 23.6



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: 0.399 ng/ul

RT: 22.91 min Scan# 5266

Delta R.T. -0.00 min

Lab File: BN004433.D

Acq: 14 Feb 2019 22:42

Instrument :

BNA_N

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STD0.411

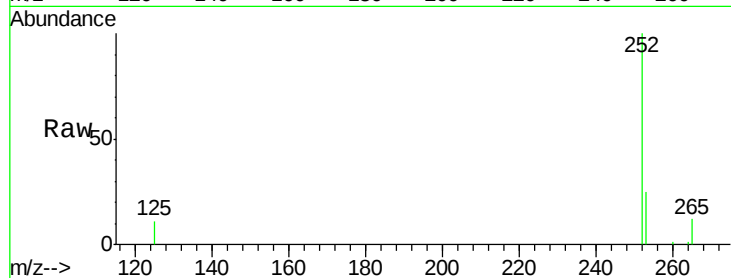
Tgt Ion:252 Resp: 13006

Ion Ratio Lower Upper

252 100

253 25.2 0.0 48.0

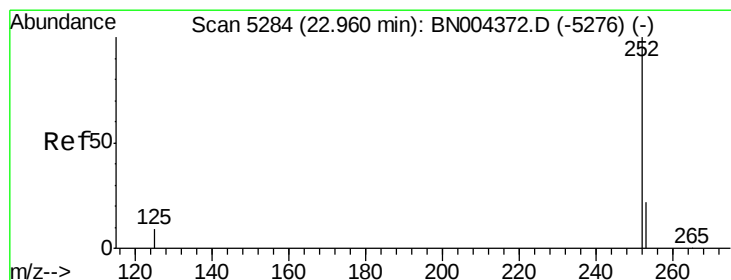
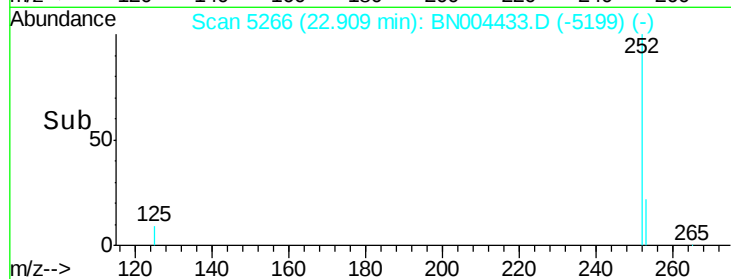
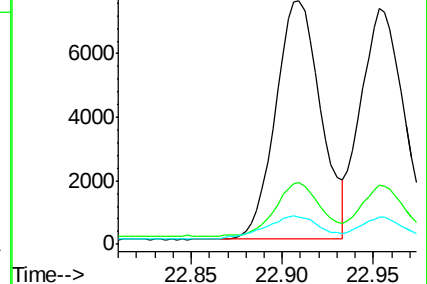
125 11.3 0.0 22.8



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: 0.383 ng/ul

RT: 22.95 min Scan# 5281

Delta R.T. -0.01 min

Lab File: BN004433.D

Acq: 14 Feb 2019 22:42

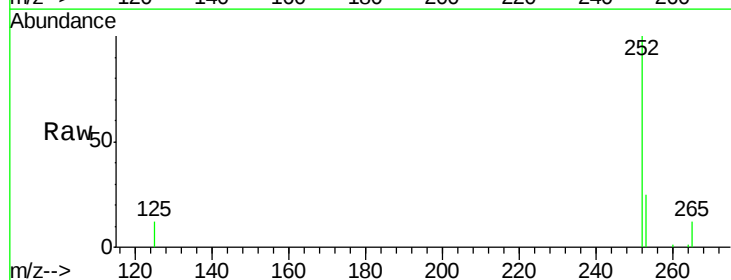
Tgt Ion:252 Resp: 12287

Ion Ratio Lower Upper

252 100

253 25.1 19.5 29.3

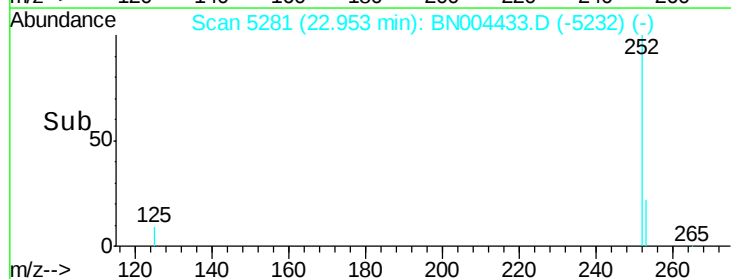
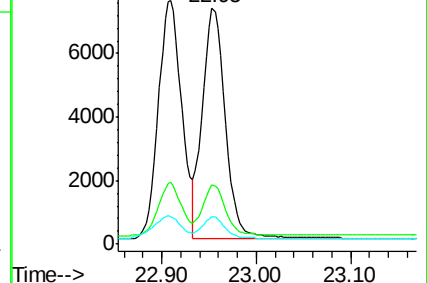
125 11.6 9.1 13.7

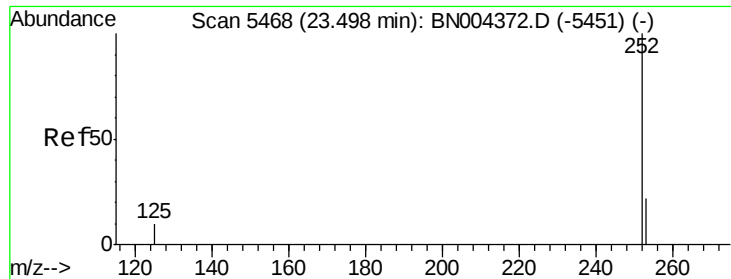


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.401 ng/u1

RT: 23.49 min Scan# 5466

Delta R.T. -0.00 min

Lab File: BN004433.D

Acq: 14 Feb 2019 22:42

Instrument :

BNA_N

ClientSampleId :

STD0.411

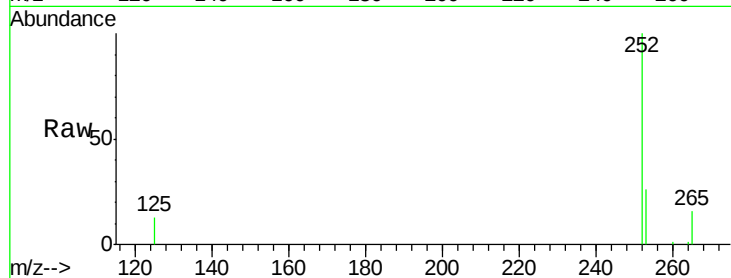
Tgt Ion:252 Resp: 11710

Ion Ratio Lower Upper

252 100

253 26.0 20.4 30.6

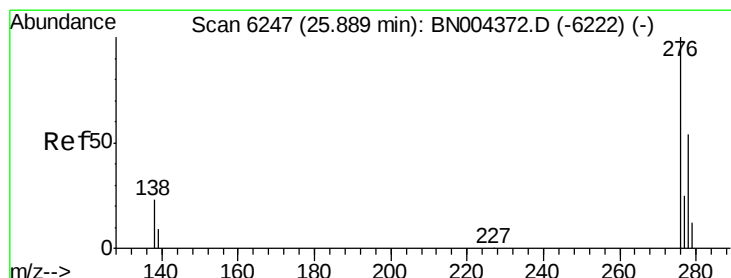
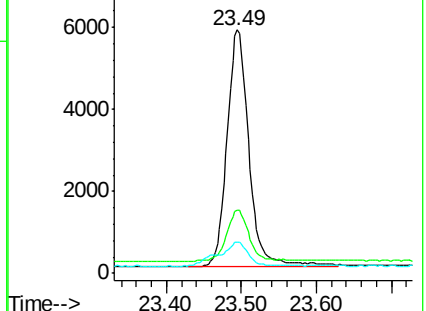
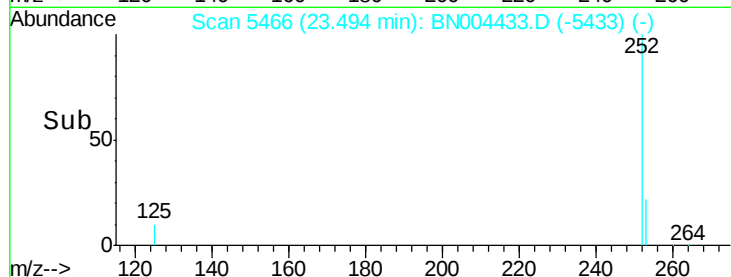
125 12.8 10.6 15.8



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.421 ng/u1

RT: 25.88 min Scan# 6244

Delta R.T. -0.01 min

Lab File: BN004433.D

Acq: 14 Feb 2019 22:42

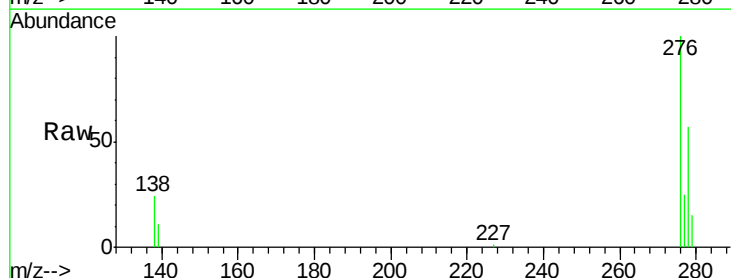
Tgt Ion:276 Resp: 16142

Ion Ratio Lower Upper

276 100

138 23.8 19.1 28.7

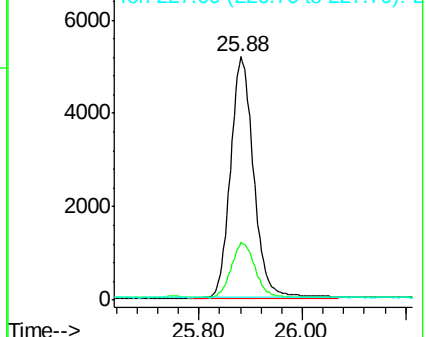
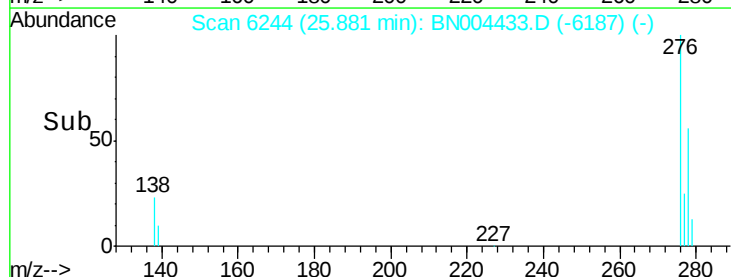
227 0.2 0.2 0.4

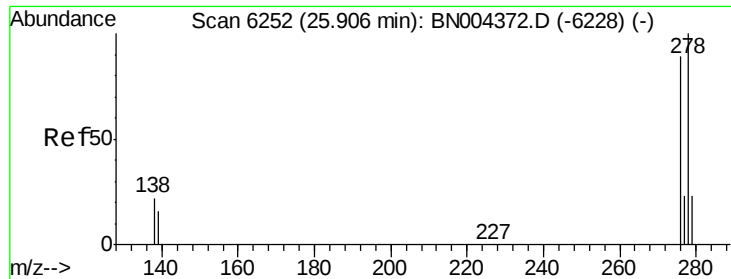


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

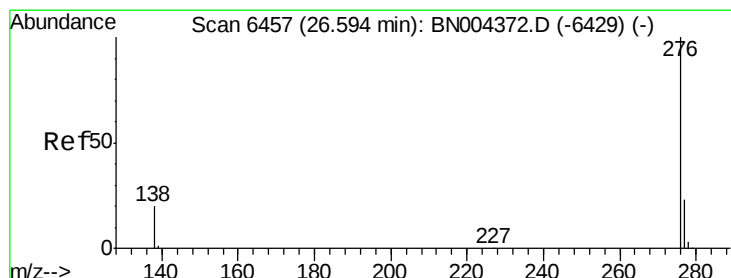
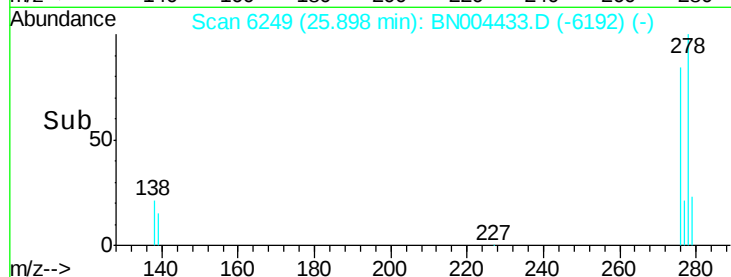
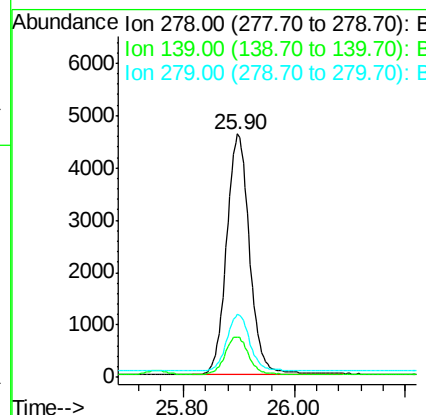
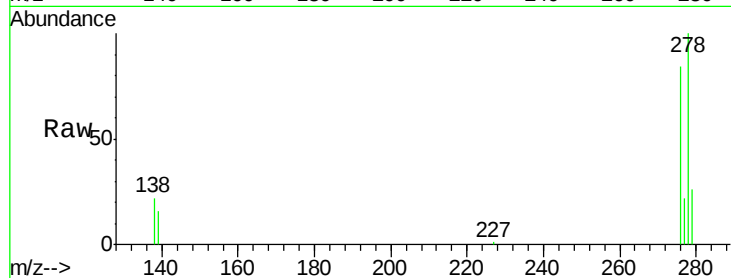




#25
Dibenzo(a,h)anthracene
Concen: 0.425 ng/ul
RT: 25.90 min Scan# 6249
Delta R.T. -0.01 min
Lab File: BN004433.D
Acq: 14 Feb 2019 22:42

Instrument :
BNA_N
ClientSampleId :
STD0.411

Tgt Ion: 278 Resp: 13216
Ion Ratio Lower Upper
278 100
139 16.4 13.8 20.6
279 25.8 20.4 30.6



#26
Benzo(g,h,i)perylene
Concen: 0.413 ng/ul
RT: 26.59 min Scan# 6454
Delta R.T. -0.01 min
Lab File: BN004433.D
Acq: 14 Feb 2019 22:42

Tgt Ion: 276 Resp: 14352
Ion Ratio Lower Upper
276 100
138 21.4 16.8 25.2
277 24.8 19.4 29.0

