

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051219\
 Data File : BN005642.D
 Acq On : 12 May 2019 00:10
 Operator : JU/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.470

Quant Time: May 12 00:44:54 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 : Sun May 12 00:36:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	1627	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	6896	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	4151	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	9994	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	7903	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	7366	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.96	152	4571	0.42	ng/ul	-0.01
14) Fluoranthene-d10	19.03	212	11465	0.37	ng/ul	0.00

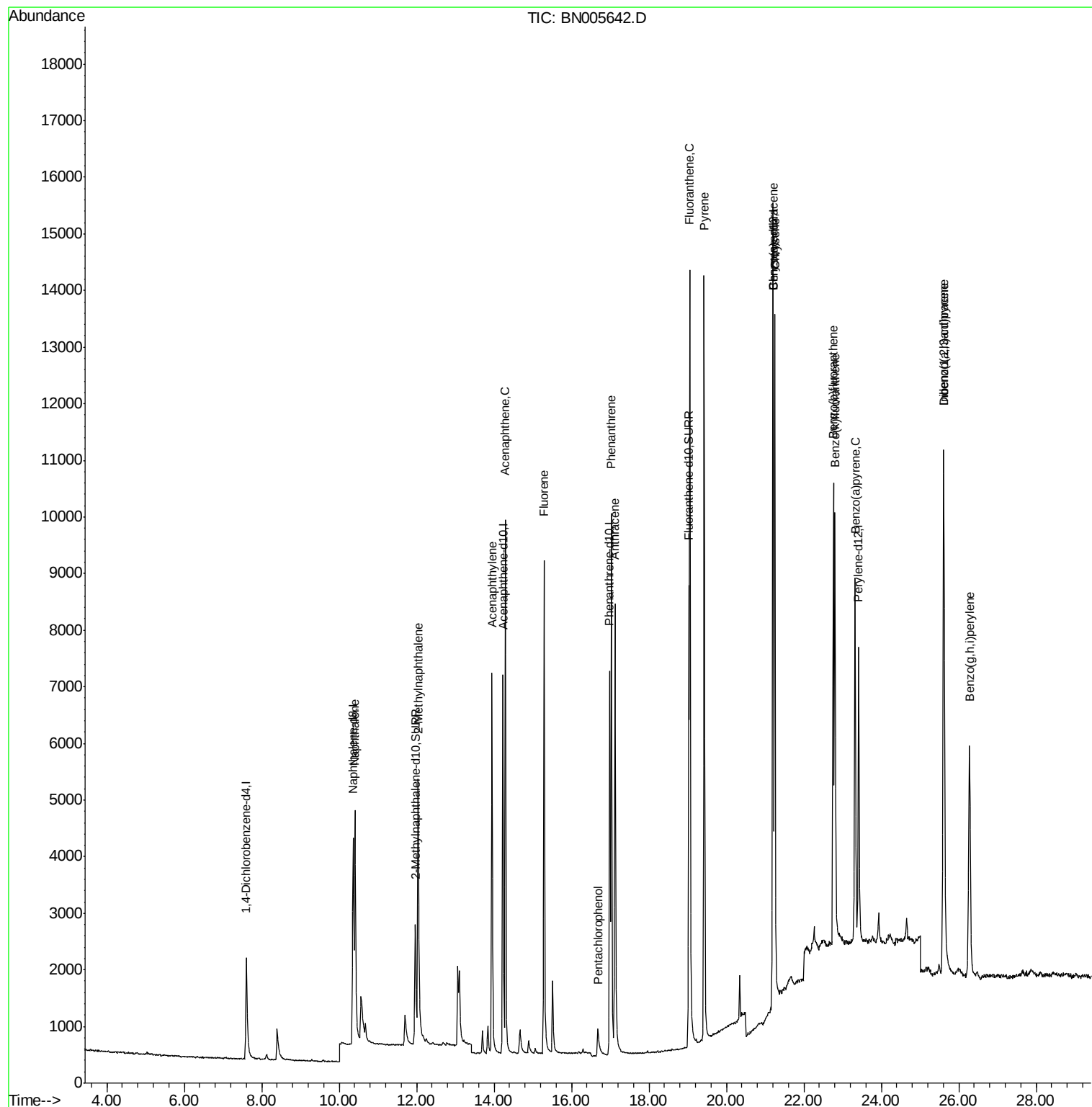
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.41	128	7355	0.403	ng/ul	100
5) 2-Methylnaphthalene	12.03	142	5357	0.430	ng/ul	99
7) Acenaphthylene	13.95	152	8903	0.426	ng/ul	98
8) Acenaphthene	14.29	153	6055	0.409	ng/ul	98
9) Fluorene	15.29	166	7047	0.408	ng/ul	99
11) Pentachlorophenol	16.68	266	895	0.346	ng/ul	90
12) Phenanthrene	17.03	178	11561	0.425	ng/ul	100
13) Anthracene	17.12	178	11205	0.413	ng/ul	99
15) Fluoranthene	19.06	202	13859	0.368	ng/ul	100
17) Pyrene	19.42	202	14186	0.486	ng/ul	99
18) Benzo(a)anthracene	21.20	228	11746	0.431	ng/ul	96
19) Chrysene	21.25	228	12628	0.377	ng/ul	95
21) Benzo(b)fluoranthene	22.76	252	10298	0.465	ng/ul	86
22) Benzo(k)fluoranthene	22.80	252	11240	0.405	ng/ul#	88
23) Benzo(a)pyrene	23.32	252	10327	0.417	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.61	276	11487	0.415	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.62	278	9306	0.407	ng/ul#	89
26) Benzo(g,h,i)perylene	26.28	276	9579	0.406	ng/ul	92

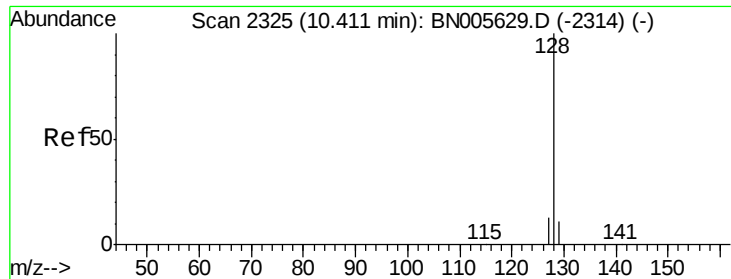
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.403 ng/ul

RT: 10.41 min Scan# 2324

Delta R.T. -0.01 min

Lab File: BN005642.D

Acq: 12 May 2019 00:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.470

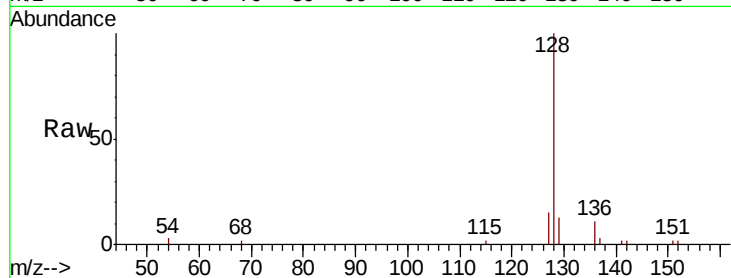
Tgt Ion:128 Resp: 7355

Ion Ratio Lower Upper

128 100

129 12.6 10.2 15.2

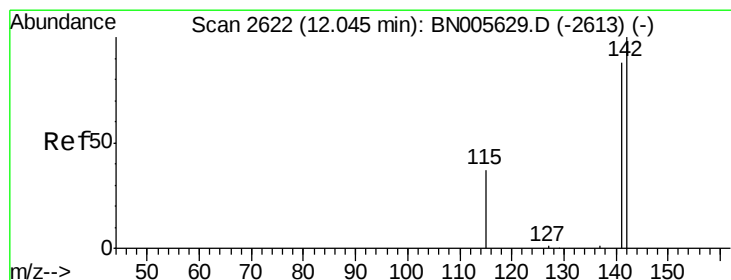
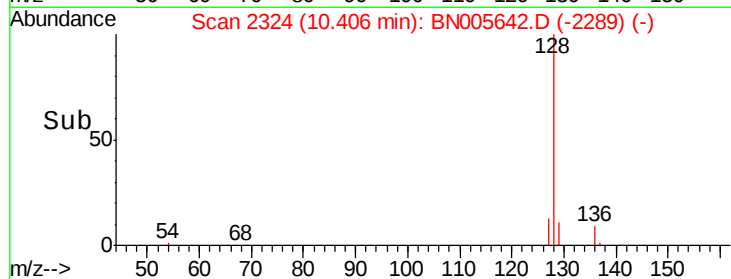
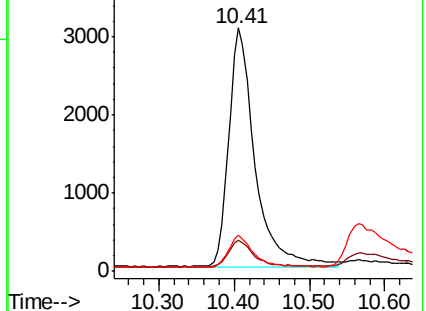
127 14.7 11.8 17.8



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: 0.430 ng/ul

RT: 12.03 min Scan# 2620

Delta R.T. -0.01 min

Lab File: BN005642.D

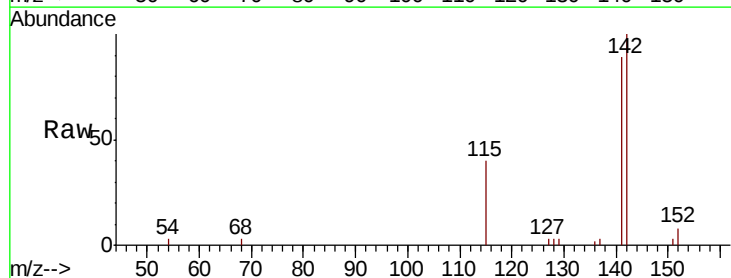
Acq: 12 May 2019 00:10

Tgt Ion:142 Resp: 5357

Ion Ratio Lower Upper

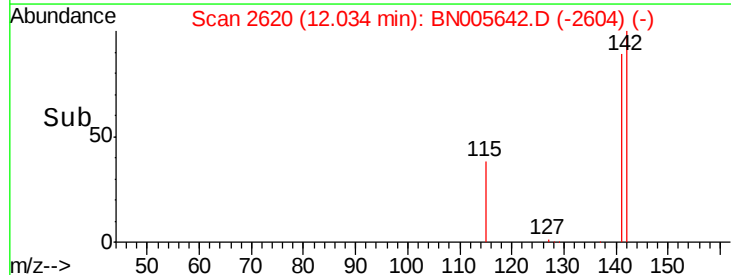
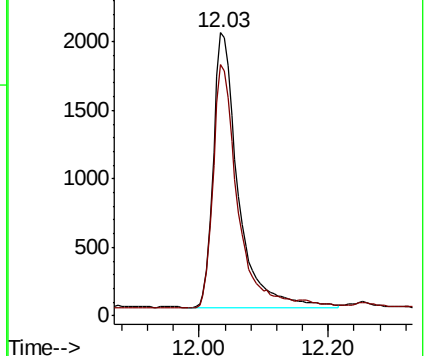
142 100

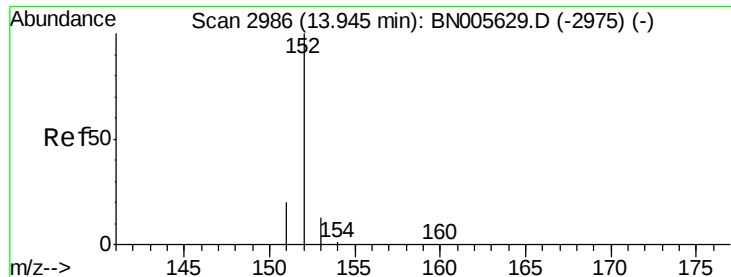
141 89.3 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.426 ng/ul

RT: 13.95 min Scan# 2986

Delta R.T. -0.00 min

Lab File: BN005642.D

Acq: 12 May 2019 00:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.470

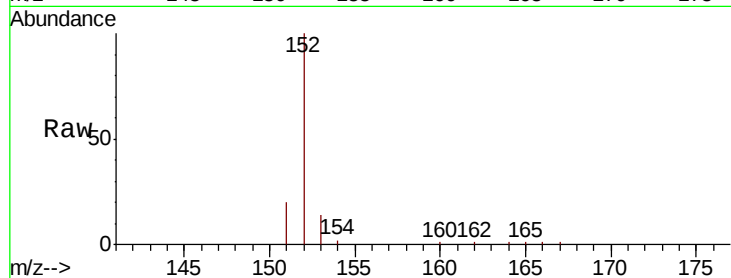
Tgt Ion:152 Resp: 8903

Ion Ratio Lower Upper

152 100

151 20.0 16.7 25.1

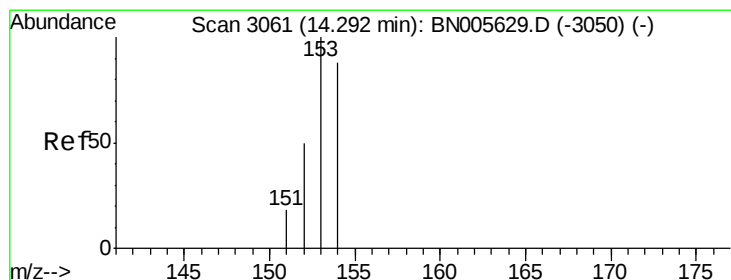
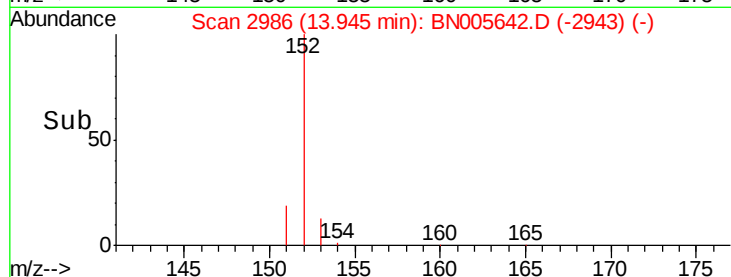
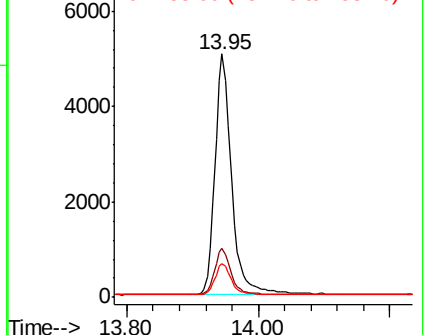
153 13.9 11.6 17.4



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: 0.409 ng/ul

RT: 14.29 min Scan# 3060

Delta R.T. -0.00 min

Lab File: BN005642.D

Acq: 12 May 2019 00:10

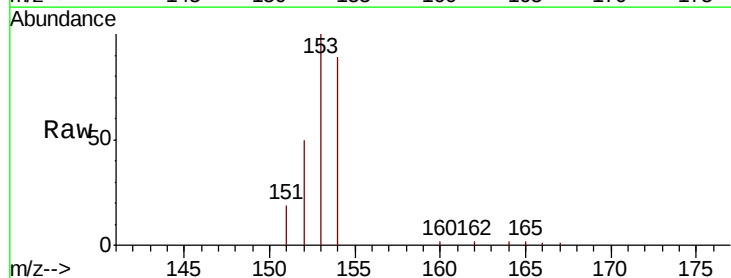
Tgt Ion:153 Resp: 6055

Ion Ratio Lower Upper

153 100

152 49.9 40.8 61.2

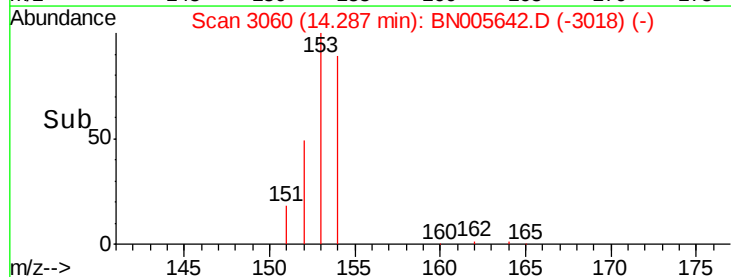
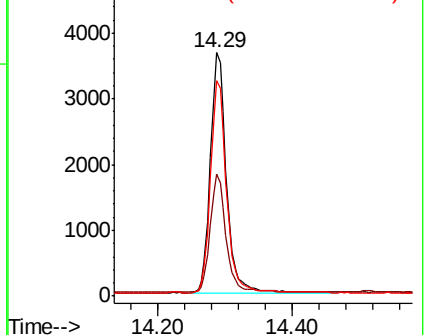
154 88.6 73.2 109.8

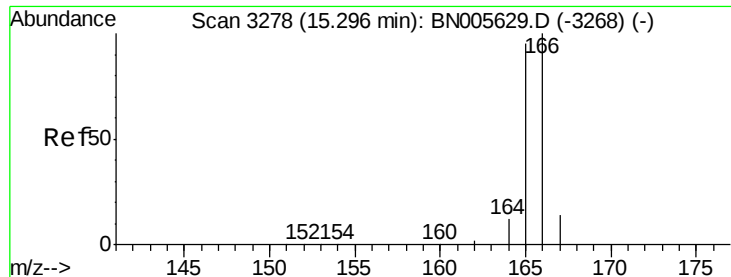


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.408 ng/ul

RT: 15.29 min Scan# 3277

Delta R.T. -0.00 min

Lab File: BN005642.D

Acq: 12 May 2019 00:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.470

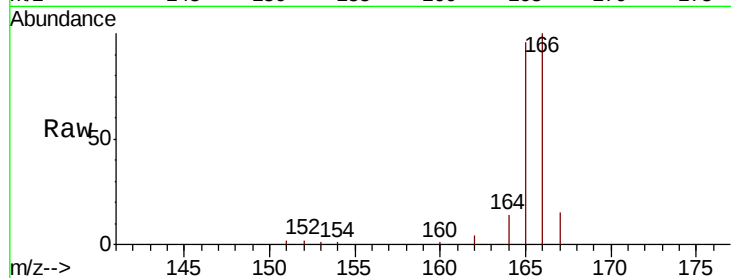
Tgt Ion:166 Resp: 7047

Ion Ratio Lower Upper

166 100

165 96.2 78.0 117.0

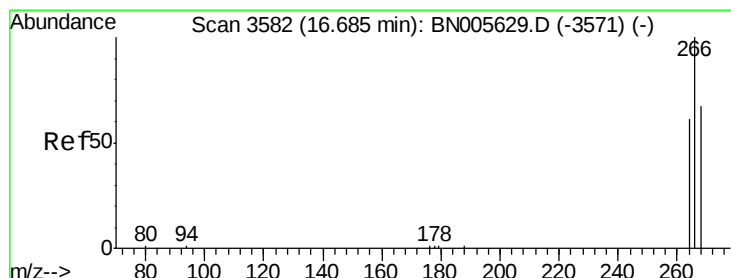
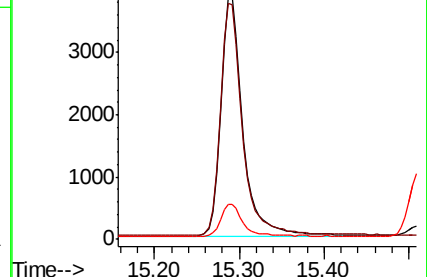
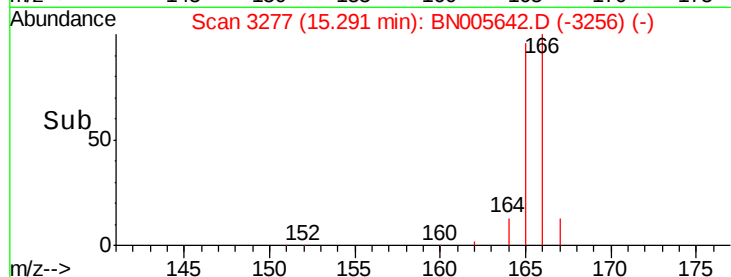
167 14.6 12.2 18.4



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: 0.346 ng/ul

RT: 16.68 min Scan# 3580

Delta R.T. -0.01 min

Lab File: BN005642.D

Acq: 12 May 2019 00:10

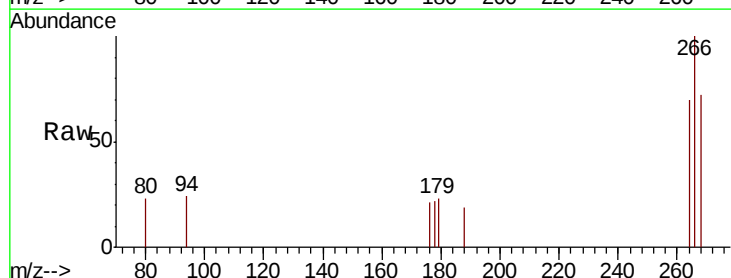
Tgt Ion:266 Resp: 895

Ion Ratio Lower Upper

266 100

264 62.3 55.3 82.9

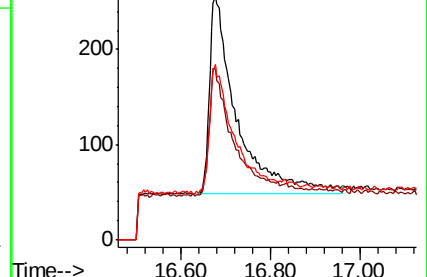
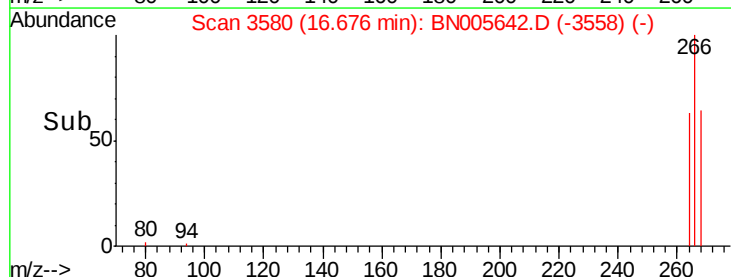
268 61.5 56.7 85.1

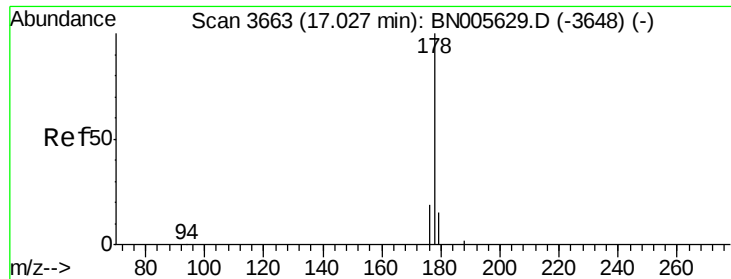


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.425 ng/ul

RT: 17.03 min Scan# 3663

Delta R.T. -0.00 min

Lab File: BN005642.D

Acq: 12 May 2019 00:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.470

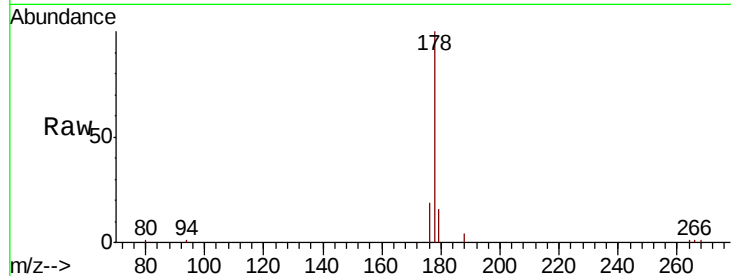
Tgt Ion:178 Resp: 11561

Ion Ratio Lower Upper

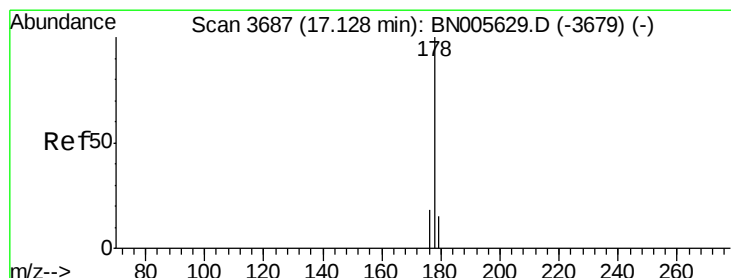
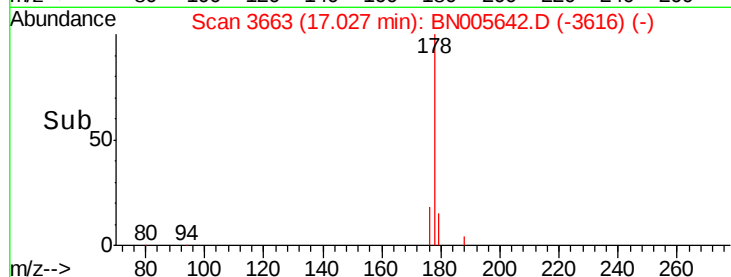
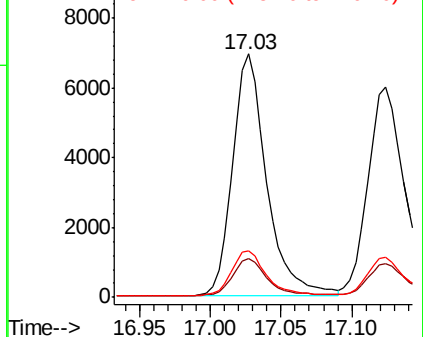
178 100

179 16.2 12.8 19.2

176 19.0 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: 0.413 ng/ul

RT: 17.12 min Scan# 3686

Delta R.T. -0.00 min

Lab File: BN005642.D

Acq: 12 May 2019 00:10

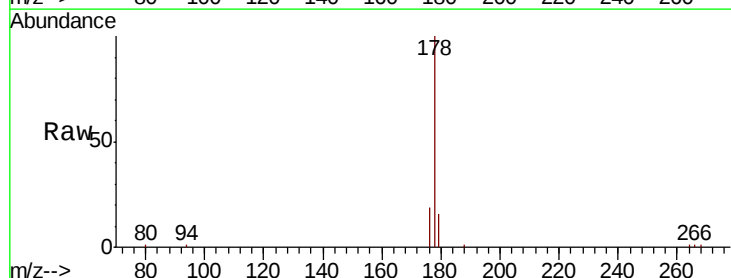
Tgt Ion:178 Resp: 11205

Ion Ratio Lower Upper

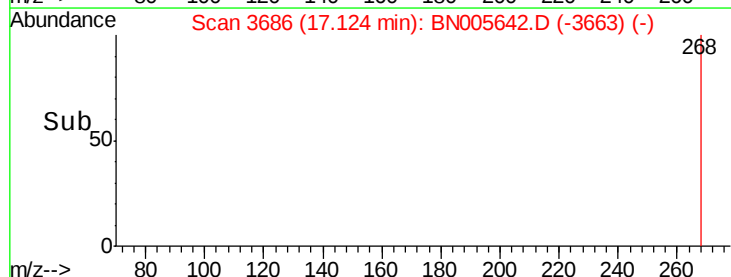
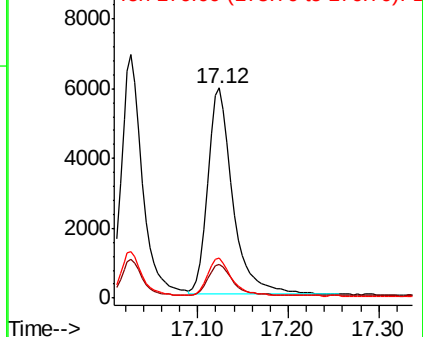
178 100

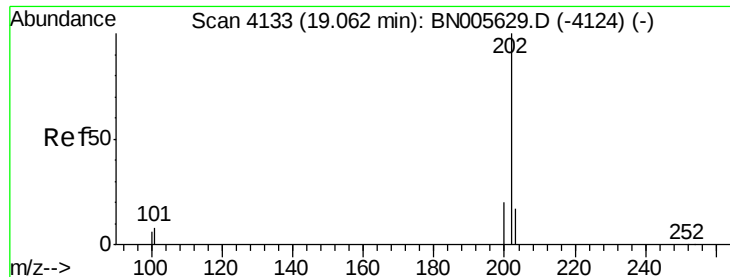
179 16.0 13.4 20.2

176 18.8 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

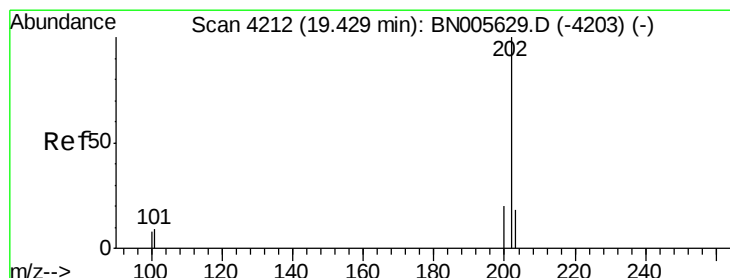
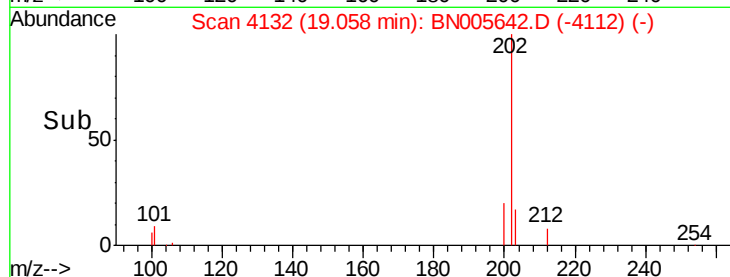
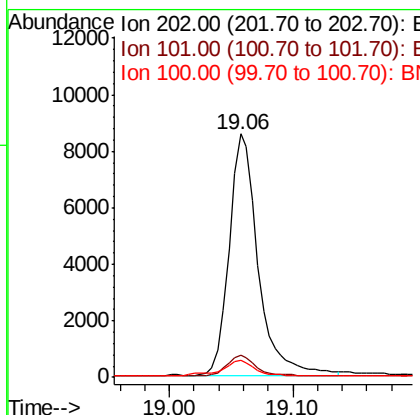
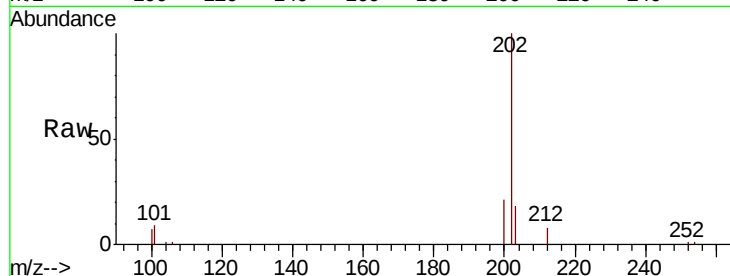




#15
Fluoranthene
 Concen: 0.368 ng/ul
 RT: 19.06 min Scan# 4132
 Delta R.T. -0.00 min
 Lab File: BN005642.D
 Acq: 12 May 2019 00:10

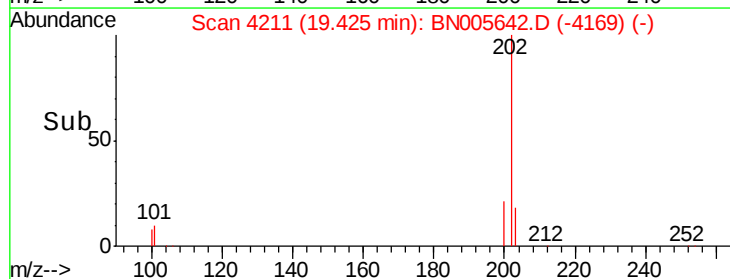
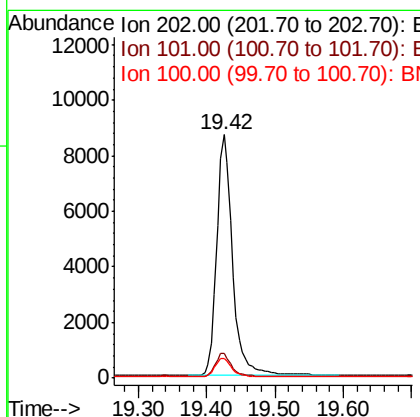
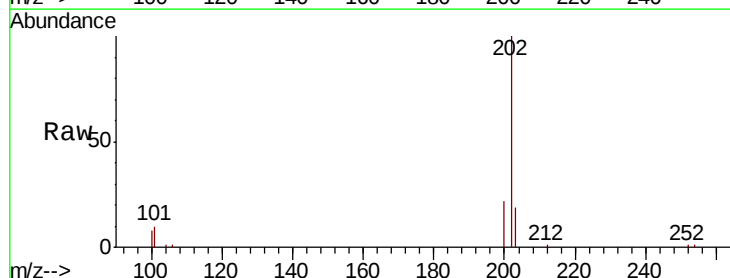
Instrument :
 BNA_N
 ClientSampleId :
 SST0.470

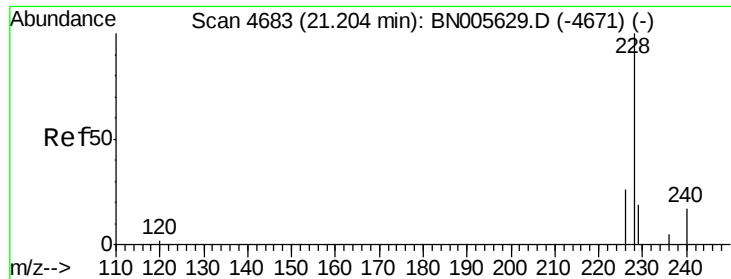
Tgt Ion:202 Resp: 13859
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 29.4
 100 6.9 0.0 27.1



#17
Pyrene
 Concen: 0.486 ng/ul
 RT: 19.42 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: BN005642.D
 Acq: 12 May 2019 00:10

Tgt Ion:202 Resp: 14186
 Ion Ratio Lower Upper
 202 100
 101 10.1 8.5 12.7
 100 8.1 6.9 10.3





#18

Benzo(a)anthracene

Concen: 0.431 ng/ul

RT: 21.20 min Scan# 4680

Delta R.T. -0.01 min

Lab File: BN005642.D

Acq: 12 May 2019 00:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.470

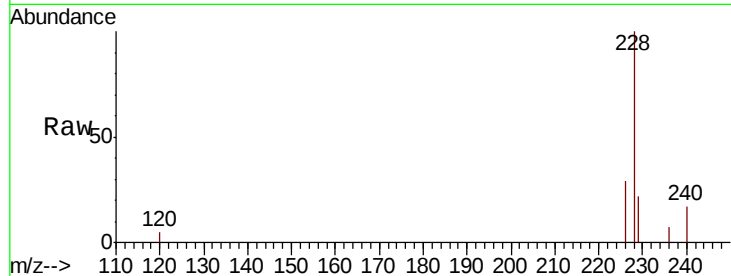
Tgt Ion:228 Resp: 11746

Ion Ratio Lower Upper

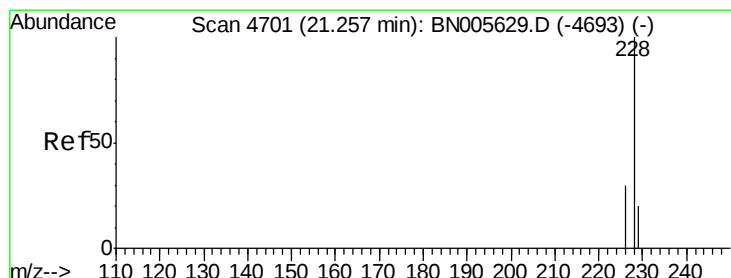
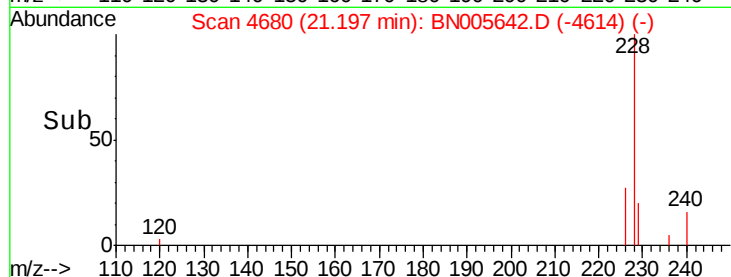
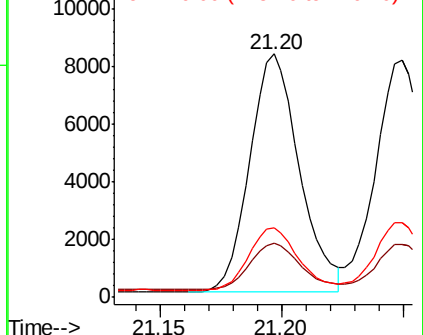
228 100

229 22.2 15.8 23.8

226 28.6 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: 0.377 ng/ul

RT: 21.25 min Scan# 4698

Delta R.T. -0.01 min

Lab File: BN005642.D

Acq: 12 May 2019 00:10

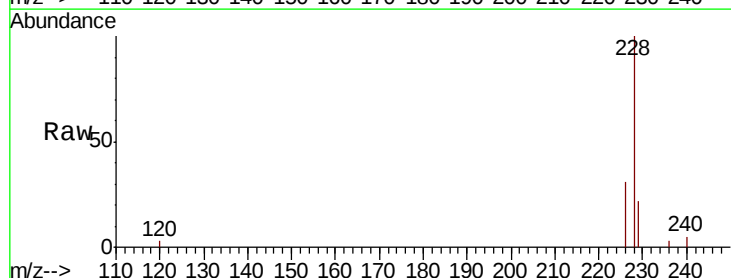
Tgt Ion:228 Resp: 12628

Ion Ratio Lower Upper

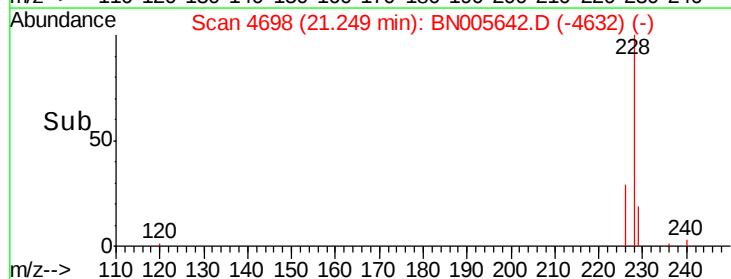
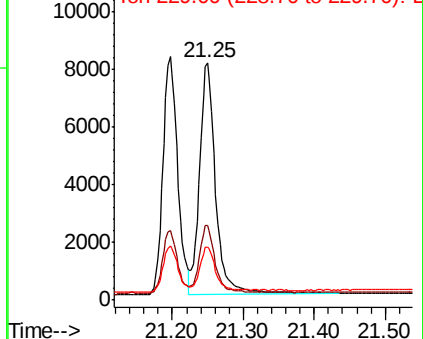
228 100

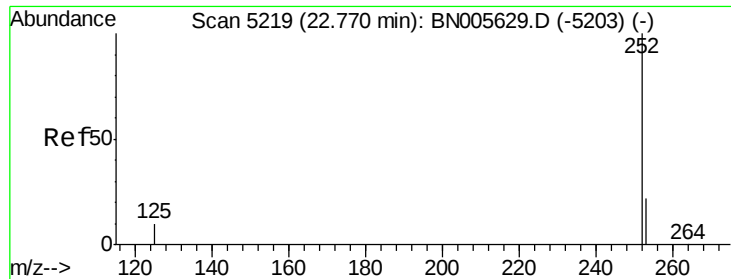
226 31.4 23.2 34.8

229 22.1 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: 0.465 ng/ul

RT: 22.76 min Scan# 5215

Delta R.T. -0.01 min

Lab File: BN005642.D

Acq: 12 May 2019 00:10

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SSTD0.470

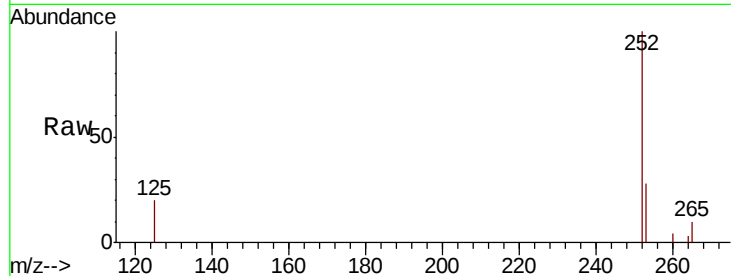
Tgt Ion:252 Resp: 10298

Ion Ratio Lower Upper

252 100

253 28.3 0.0 47.6

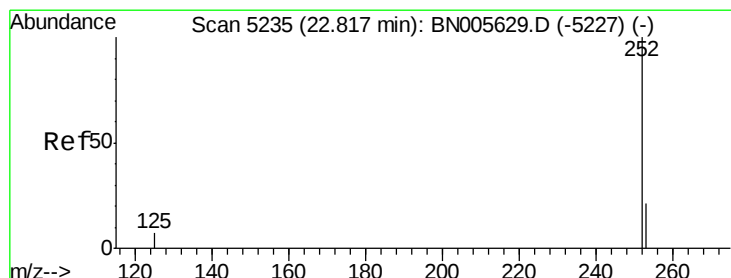
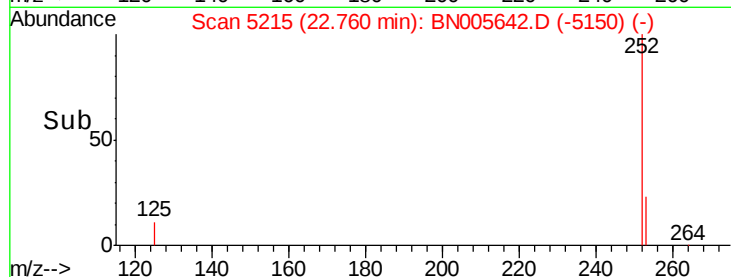
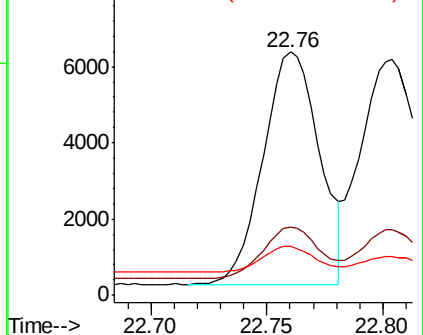
125 20.1 0.0 20.8



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: 0.405 ng/ul

RT: 22.80 min Scan# 5230

Delta R.T. -0.01 min

Lab File: BN005642.D

Acq: 12 May 2019 00:10

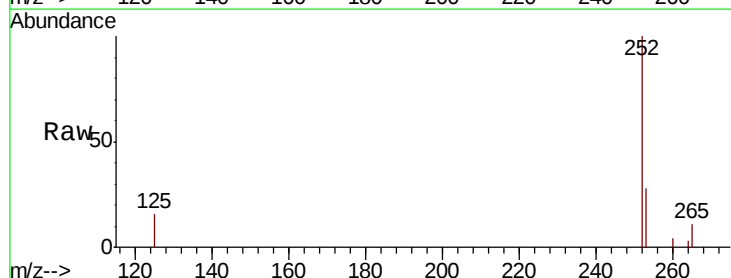
Tgt Ion:252 Resp: 11240

Ion Ratio Lower Upper

252 100

253 27.8 18.8 28.2

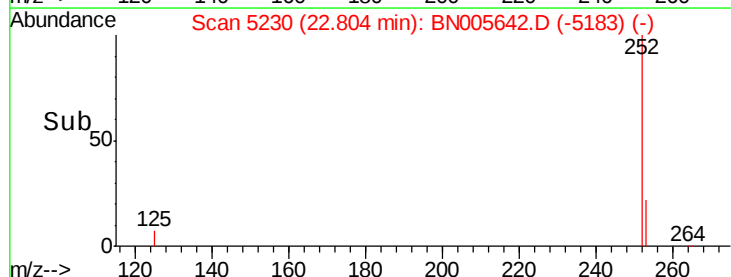
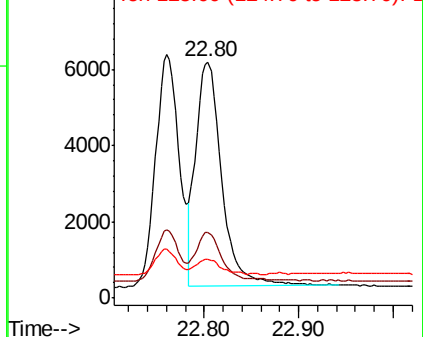
125 16.3 7.6 11.4#

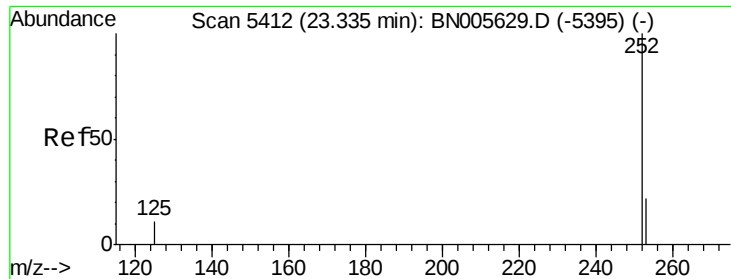


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.417 ng/ul

RT: 23.32 min Scan# 5407

Delta R.T. -0.01 min

Lab File: BN005642.D

Acq: 12 May 2019 00:10

Instrument :

BNA_N

ClientSampleId :

SSTD0.470

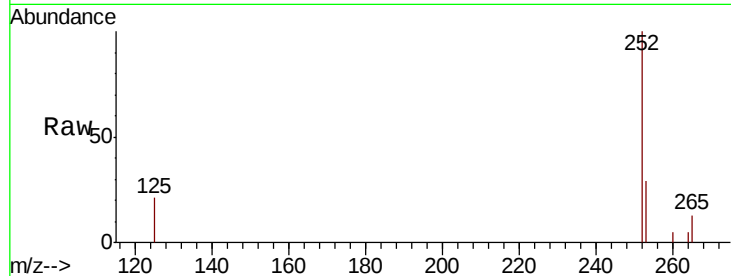
Tgt Ion:252 Resp: 10327

Ion Ratio Lower Upper

252 100

253 29.4 19.6 29.4#

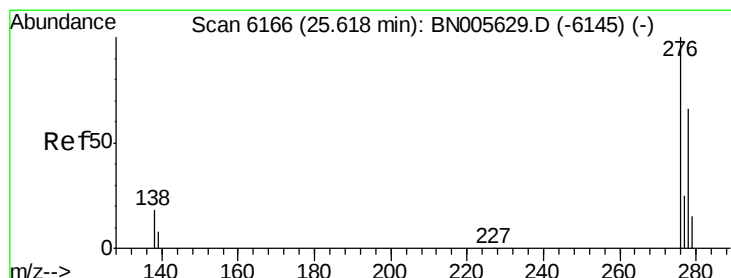
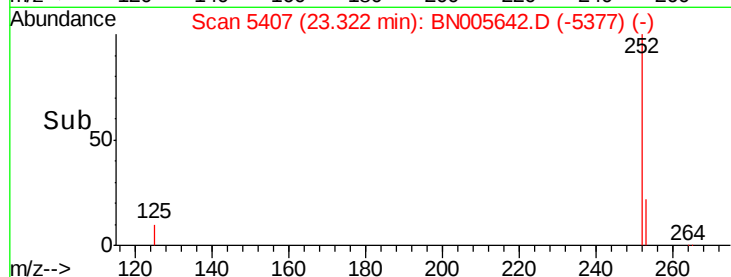
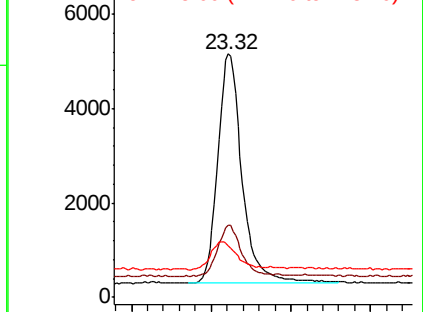
125 21.3 10.1 15.1#



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: 0.415 ng/ul

RT: 25.61 min Scan# 6163

Delta R.T. -0.01 min

Lab File: BN005642.D

Acq: 12 May 2019 00:10

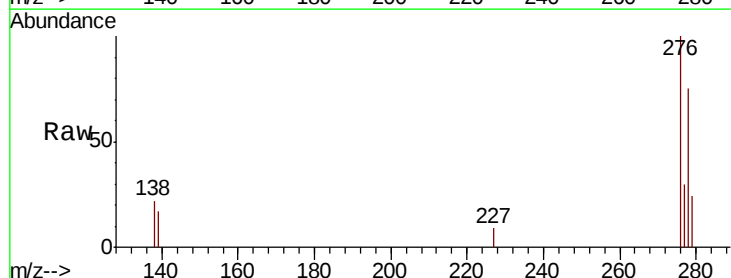
Tgt Ion:276 Resp: 11487

Ion Ratio Lower Upper

276 100

138 17.8 15.8 23.8

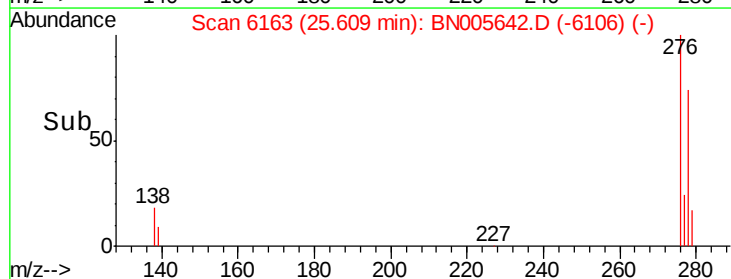
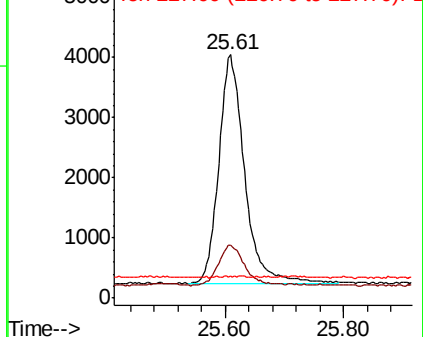
227 0.2 0.1 0.1#

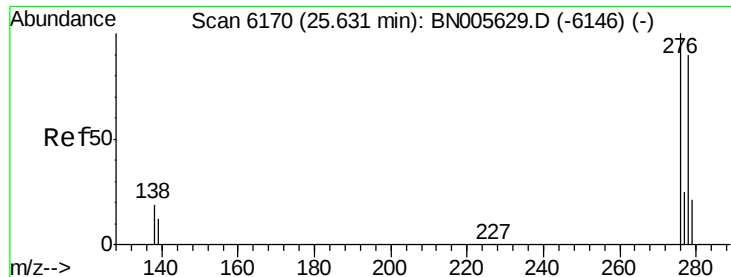


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

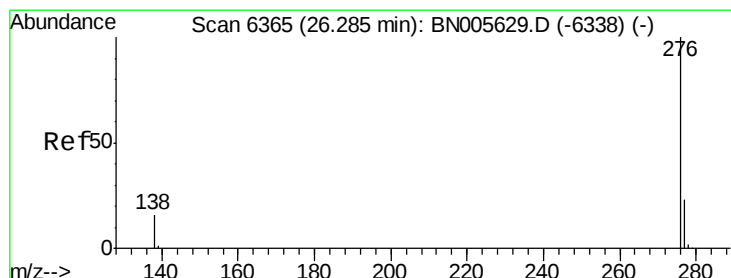
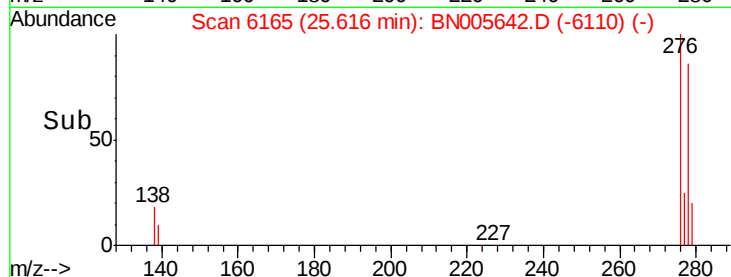
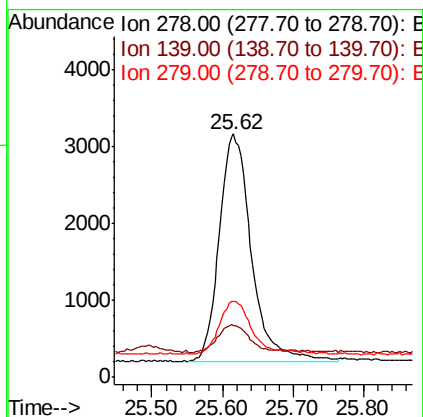
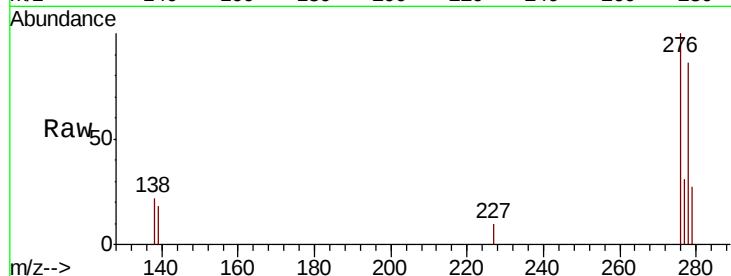




#25
Dibenzo(a,h)anthracene
Concen: 0.407 ng/ul
RT: 25.62 min Scan# 6165
Delta R.T. -0.02 min
Lab File: BN005642.D
Acq: 12 May 2019 00:10

Instrument :
BNA_N
ClientSampleId :
SSTD0.470

Tgt Ion: 278 Resp: 9306
Ion Ratio Lower Upper
278 100
139 21.0 12.4 18.6#
279 31.2 21.0 31.4



#26
Benzo(g,h,i)perylene
Concen: 0.406 ng/ul
RT: 26.28 min Scan# 6362
Delta R.T. -0.01 min
Lab File: BN005642.D
Acq: 12 May 2019 00:10

Tgt Ion: 276 Resp: 9579
Ion Ratio Lower Upper
276 100
138 21.7 15.6 23.4
277 30.7 20.6 31.0

