

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051519\
 Data File : BN005701.D
 Acq On : 15 May 2019 19:48
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 15 22:54:29 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 14 07:15:06 2019
 Response via : Initial Calibration

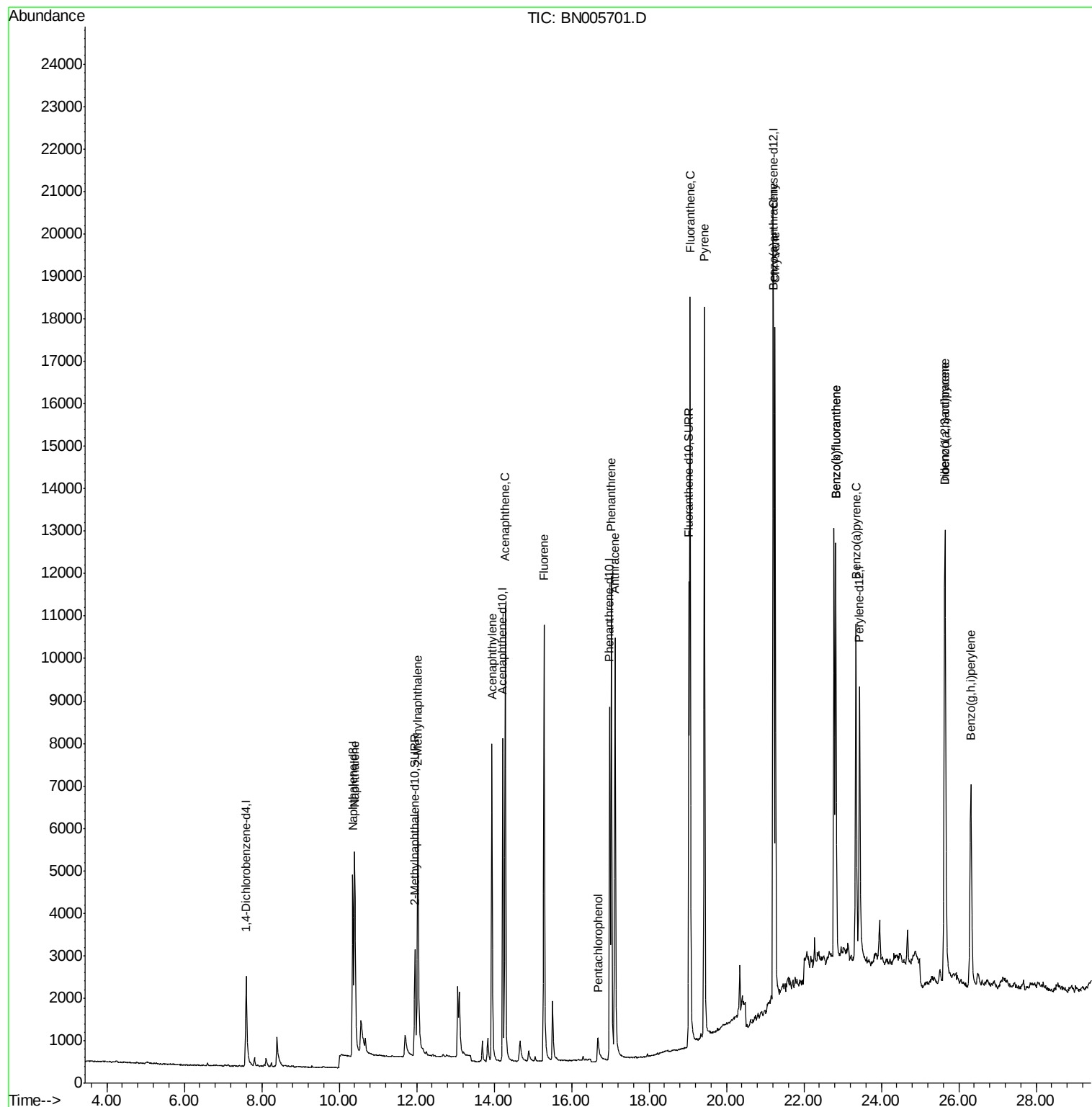
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	1814	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	7738	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.22	164	4755	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.98	188	11825	0.40	ng/ul	0.00
16) Chrysene-d12	21.22	240	9912	0.40	ng/ul	0.00
20) Perylene-d12	23.44	264	8992	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	5194	0.43	ng/ul	-0.01
14) Fluoranthene-d10	19.03	212	14916	0.40	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.40	128	8273	0.404	ng/ul	99
5) 2-Methylnaphthalene	12.03	142	6048	0.433	ng/ul	100
7) Acenaphthylene	12.95	152	9939	0.415	ng/ul	98
8) Acenaphthene	14.29	153	6968	0.411	ng/ul	98
9) Fluorene	15.29	166	8211	0.415	ng/ul	100
11) Pentachlorophenol	16.68	266	1060	0.346	ng/ul	93
12) Phenanthrene	17.03	178	13801	0.428	ng/ul	99
13) Anthracene	17.12	178	13757	0.428	ng/ul	99
15) Fluoranthene	19.06	202	17565	0.394	ng/ul	96
17) Pyrene	19.43	202	18113	0.495	ng/ul	96
18) Benzo(a)anthracene	21.20	228	15423	0.451	ng/ul	95
19) Chrysene	21.26	228	15800	0.376	ng/ul	94
21) Benzo(b)fluoranthene	22.83	252	13700	0.507	ng/ul	90
22) Benzo(k)fluoranthene	22.83	252	13748	0.406	ng/ul#	89
23) Benzo(a)pyrene	23.34	252	12646	0.419	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.64	276	13427	0.397	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.64	278	11019	0.394	ng/ul#	89
26) Benzo(g,h,i)perylene	26.31	276	11494	0.399	ng/ul#	93

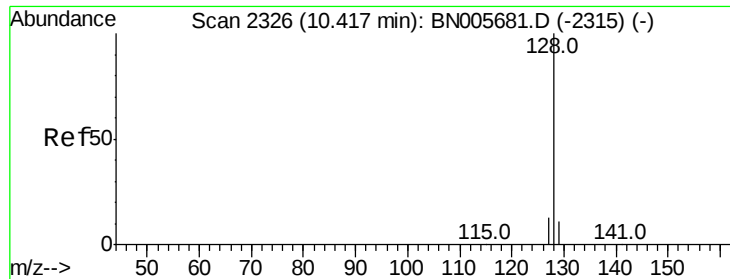
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.404 ng/ul

RT: 10.40 min Scan# 2323

Delta R.T. -0.01 min

Lab File: BN005701.D

Acq: 15 May 2019 19:48

Instrument :

BNA_N

ClientSampleId :

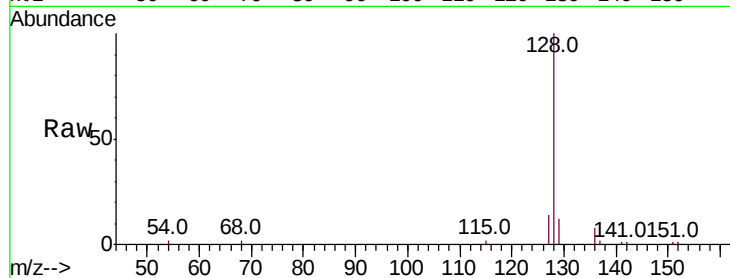
Tot Ion:128 Resp: 8273

Ion Ratio Lower Upper

128 100

129 12.2 10.2 15.2

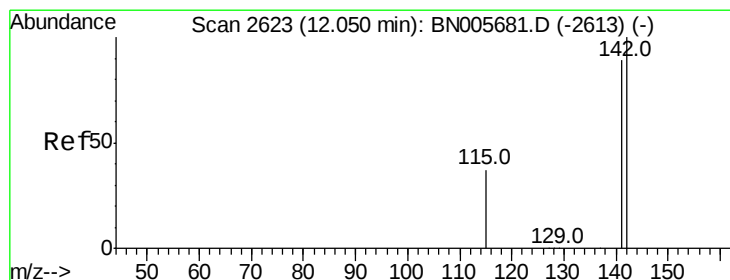
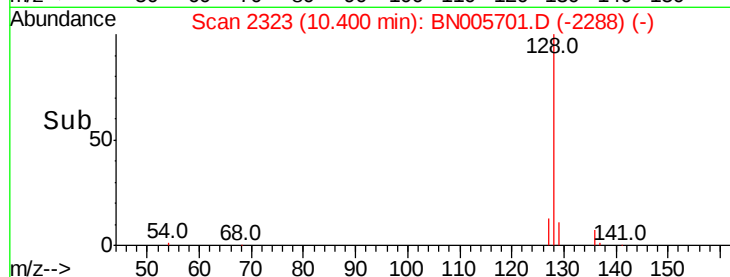
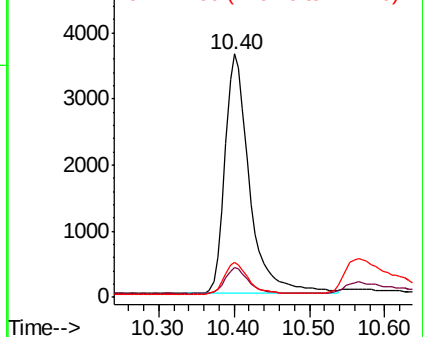
127 14.3 11.8 17.8



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: 0.433 ng/ul

RT: 12.03 min Scan# 2619

Delta R.T. -0.01 min

Lab File: BN005701.D

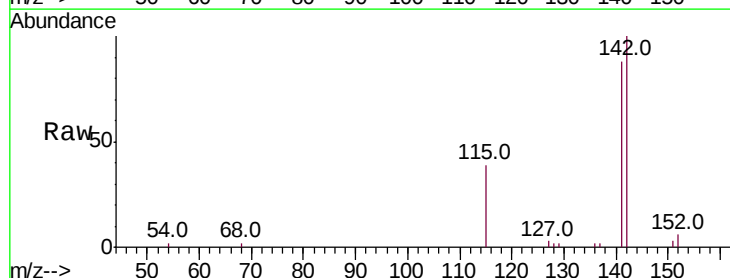
Acq: 15 May 2019 19:48

Tgt Ion:142 Resp: 6048

Ion Ratio Lower Upper

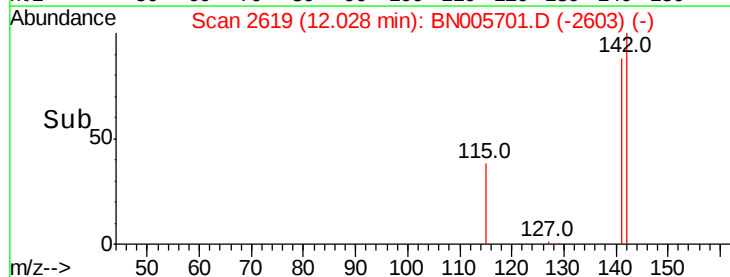
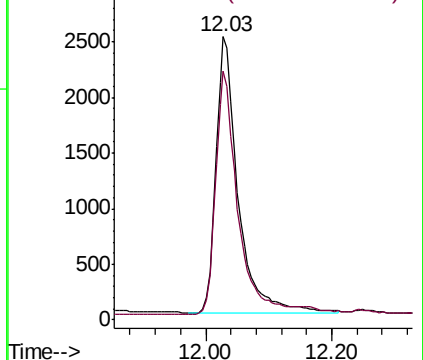
142 100

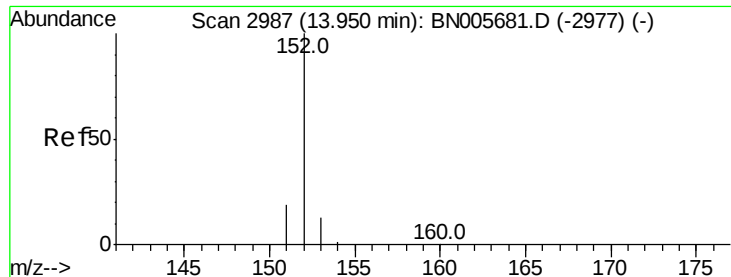
141 90.5 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.415 ng/ul

RT: 13.95 min Scan# 2986

Delta R.T. -0.00 min

Lab File: BN005701.D

Acq: 15 May 2019 19:48

Instrument :

BNA_N

ClientSampleId :

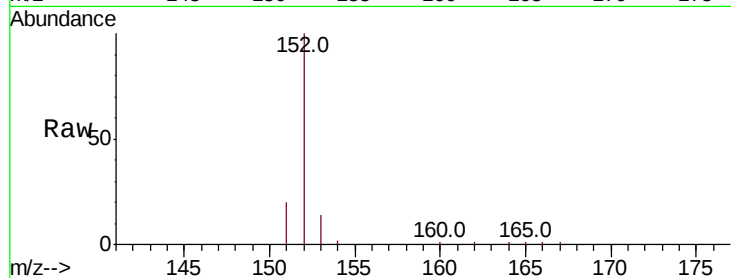
Tot Ion:152 Resp: 9939

Ion Ratio Lower Upper

152 100

151 20.2 16.7 25.1

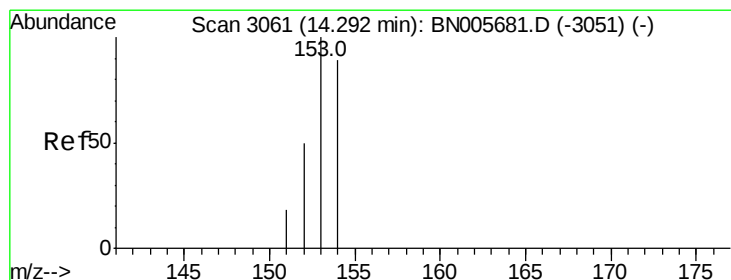
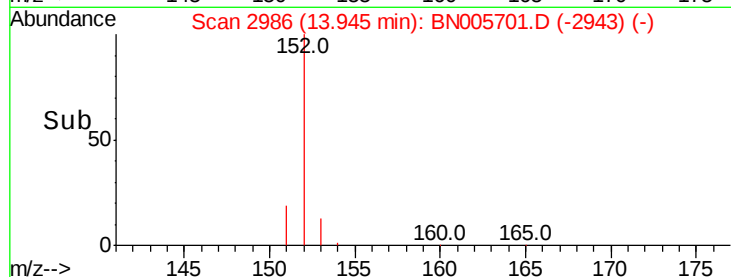
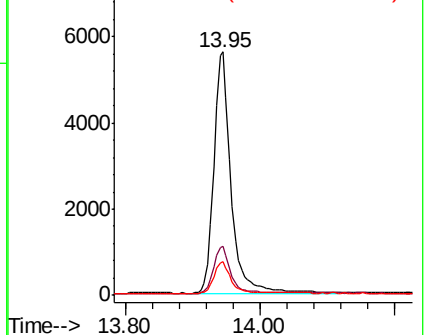
153 13.9 11.6 17.4



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: 0.411 ng/ul

RT: 14.29 min Scan# 3060

Delta R.T. -0.00 min

Lab File: BN005701.D

Acq: 15 May 2019 19:48

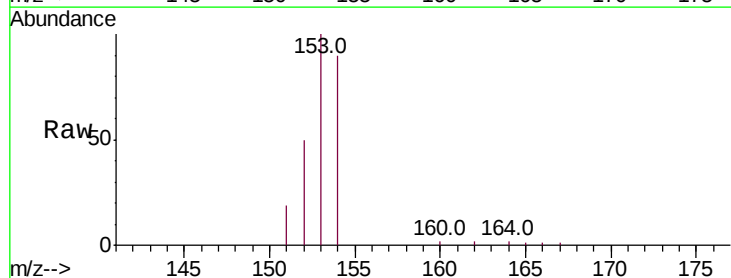
Tgt Ion:153 Resp: 6968

Ion Ratio Lower Upper

153 100

152 49.9 40.8 61.2

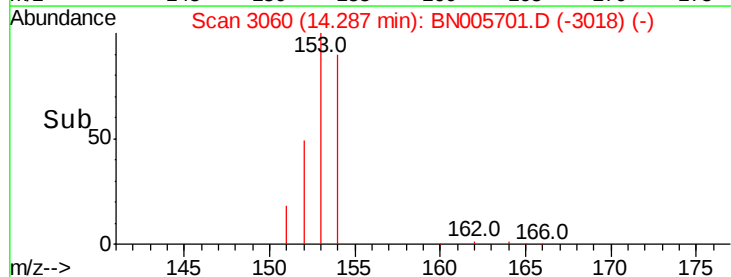
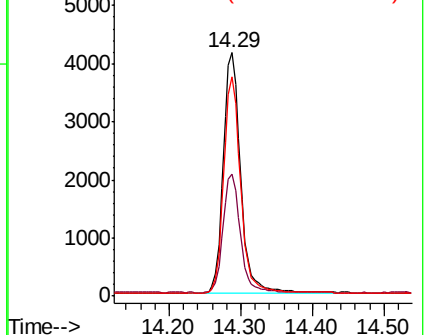
154 89.9 73.2 109.8

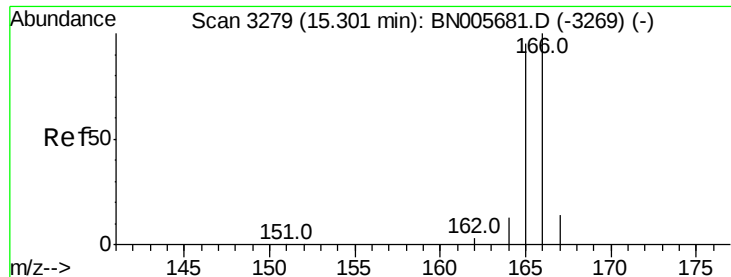


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.415 ng/ul

RT: 15.29 min Scan# 3276

Delta R.T. -0.01 min

Lab File: BN005701.D

Acq: 15 May 2019 19:48

Instrument :

BNA_N

ClientSampleId :

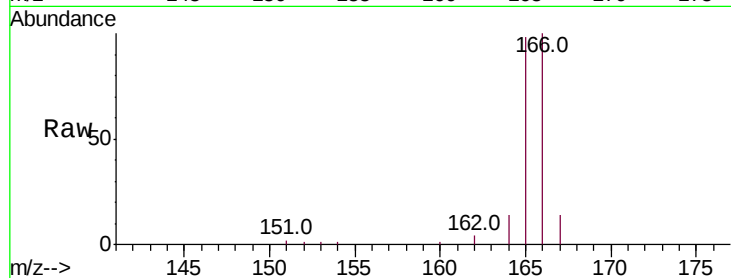
Tot Ion:166 Resp: 8211

Ion Ratio Lower Upper

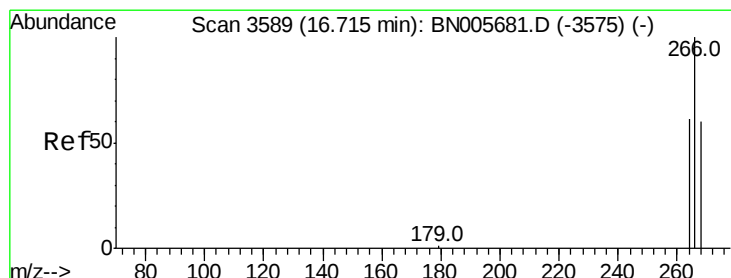
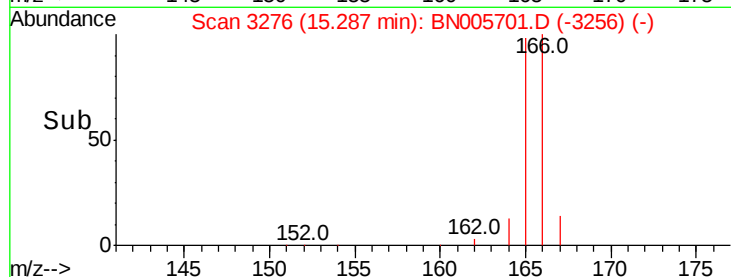
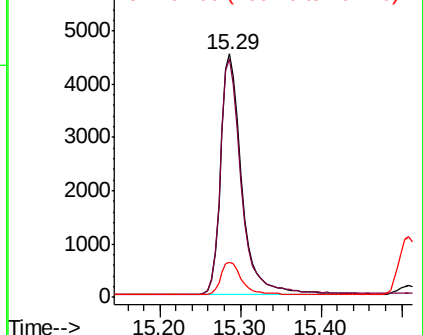
166 100

165 97.7 78.0 117.0

167 14.5 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. -0.02 min

Lab File: BN005701.D

Acq: 15 May 2019 19:48

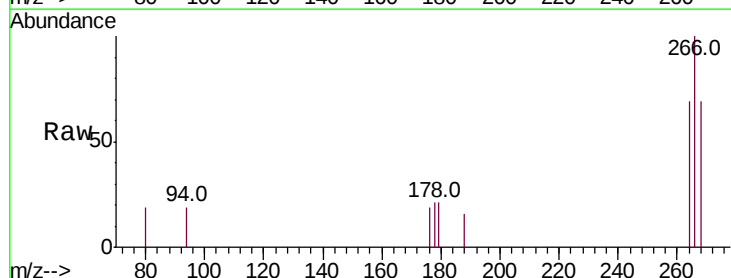
Tgt Ion:266 Resp: 1060

Ion Ratio Lower Upper

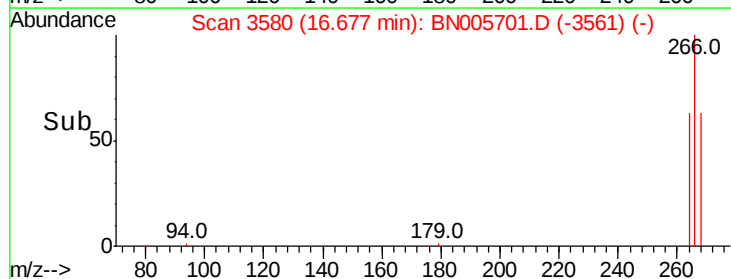
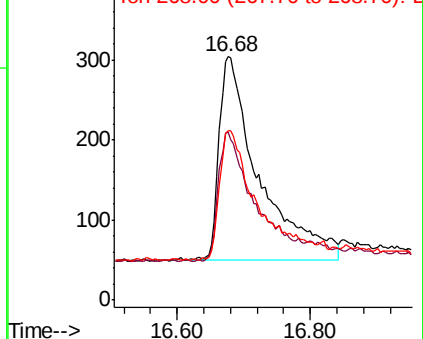
266 100

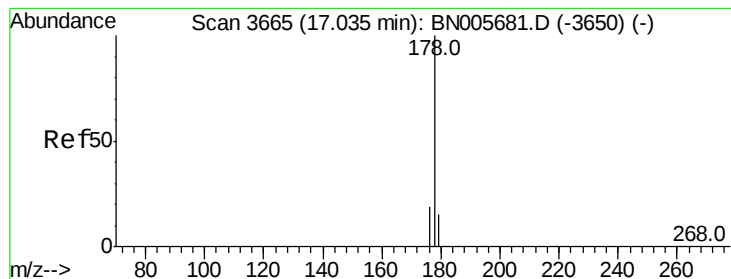
264 64.6 55.3 82.9

268 64.7 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: 0.428 ng/ul

RT: 17.03 min Scan# 3663

Delta R.T. -0.00 min

Lab File: BN005701.D

Acq: 15 May 2019 19:48

Instrument :

BNA_N

ClientSampled :

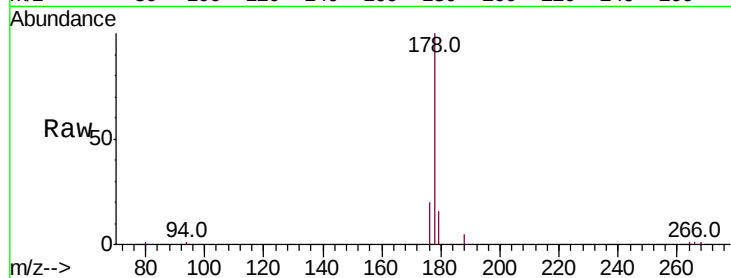
Tot Ion:178 Resp: 13801

Ion Ratio Lower Upper

178 100

179 15.9 12.8 19.2

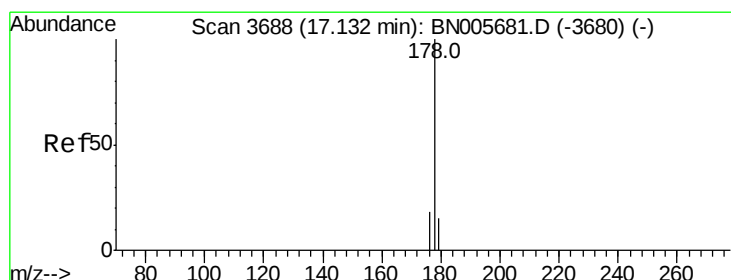
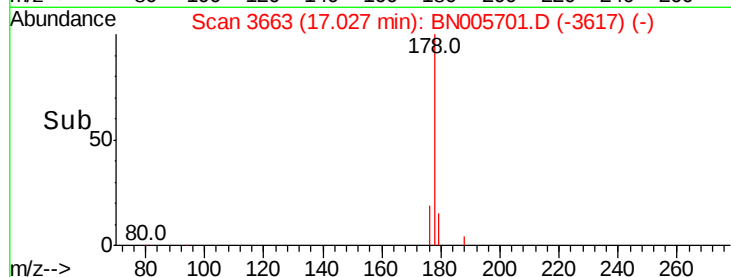
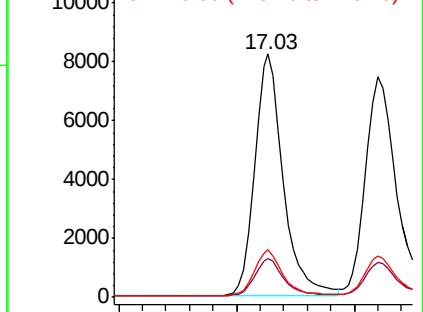
176 19.6 15.3 22.9



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: 0.428 ng/ul

RT: 17.12 min Scan# 3685

Delta R.T. -0.01 min

Lab File: BN005701.D

Acq: 15 May 2019 19:48

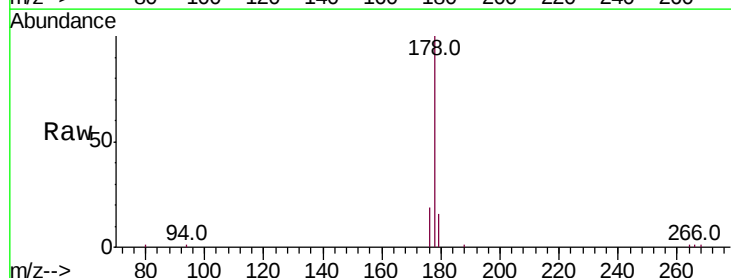
Tgt Ion:178 Resp: 13757

Ion Ratio Lower Upper

178 100

179 16.1 13.4 20.2

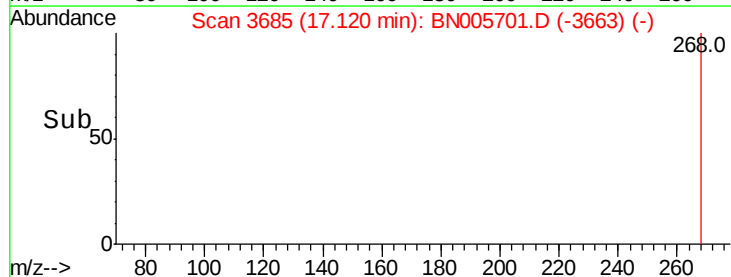
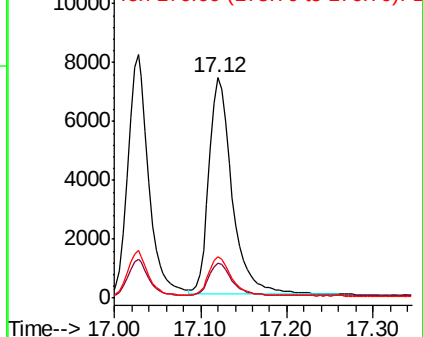
176 18.6 15.1 22.7

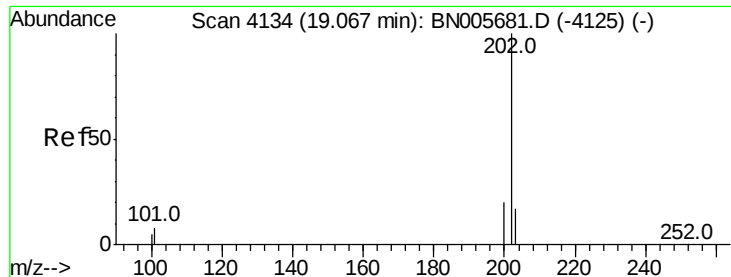


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.394 ng/ul

RT: 19.06 min Scan# 4133

Delta R.T. -0.00 min

Lab File: BN005701.D

Acq: 15 May 2019 19:48

Instrument :

BNA_N

ClientSampleId :

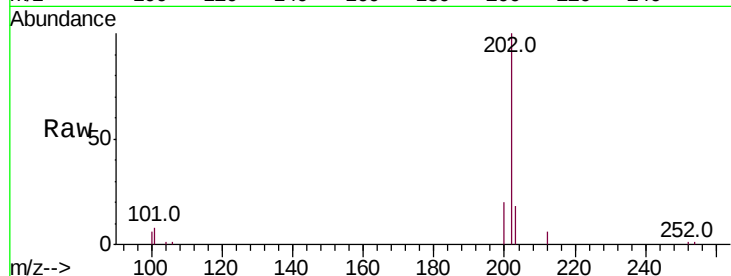
Tot Ion:202 Resp: 17565

Ion Ratio Lower Upper

202 100

101 7.6 0.0 29.4

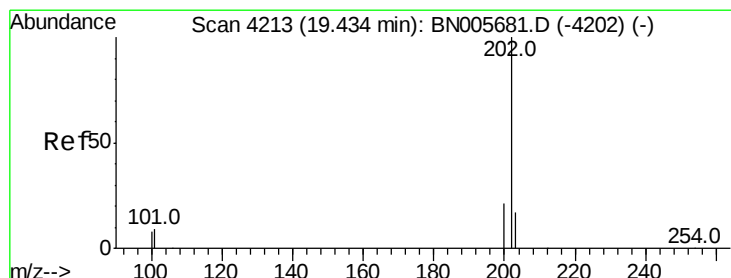
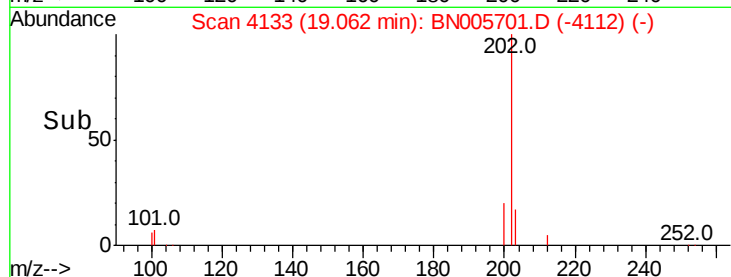
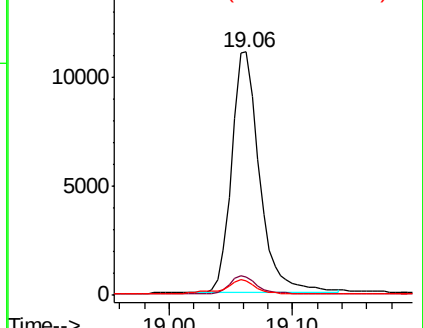
100 6.0 0.0 27.1



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: 0.495 ng/ul

RT: 19.43 min Scan# 4212

Delta R.T. -0.00 min

Lab File: BN005701.D

Acq: 15 May 2019 19:48

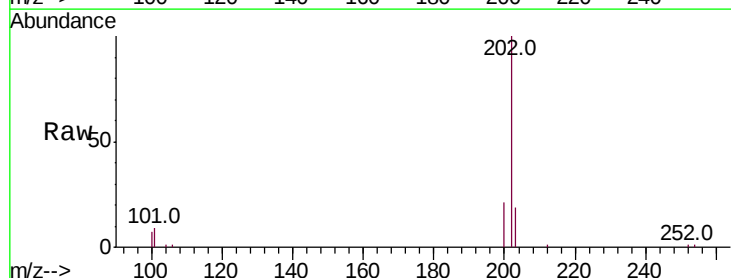
Tgt Ion:202 Resp: 18113

Ion Ratio Lower Upper

202 100

101 8.8 8.5 12.7

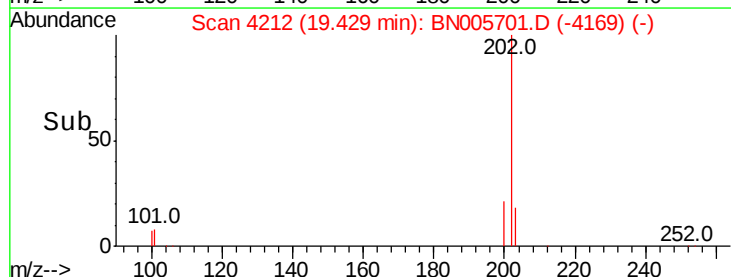
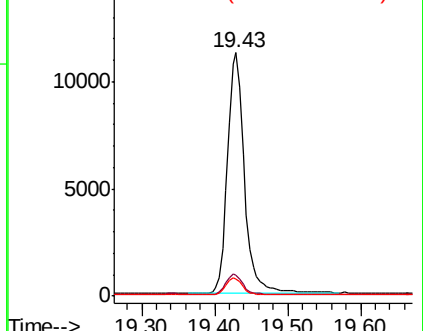
100 7.2 6.9 10.3

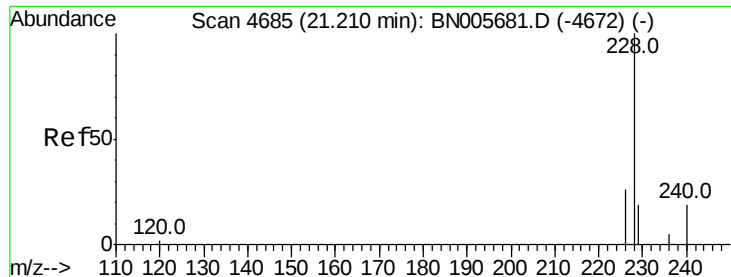


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.451 ng/ul

RT: 21.20 min Scan# 4683

Delta R.T. -0.00 min

Lab File: BN005701.D

Acq: 15 May 2019 19:48

Instrument :

BNA_N

ClientSampleId :

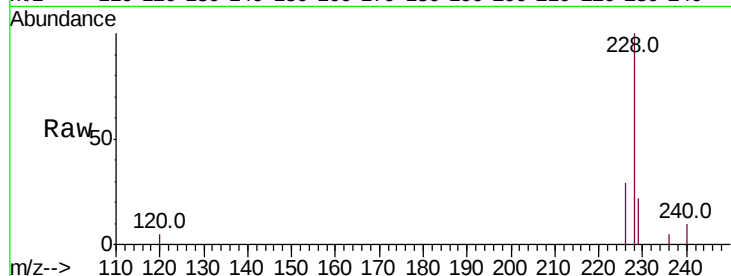
Tot Ion:228 Resp: 15423

Ion Ratio Lower Upper

228 100

229 22.4 15.8 23.8

226 29.5 21.7 32.5

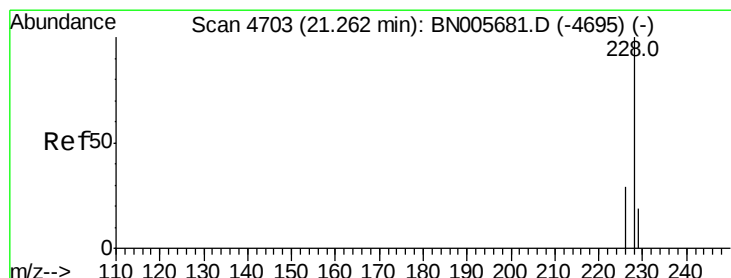
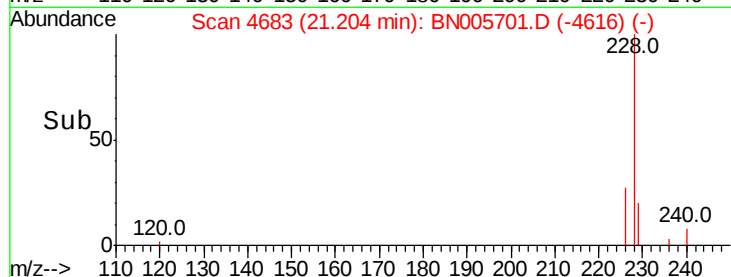
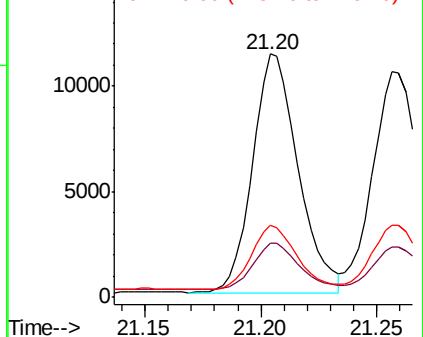


Abundance

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: 0.376 ng/ul

RT: 21.26 min Scan# 4701

Delta R.T. -0.00 min

Lab File: BN005701.D

Acq: 15 May 2019 19:48

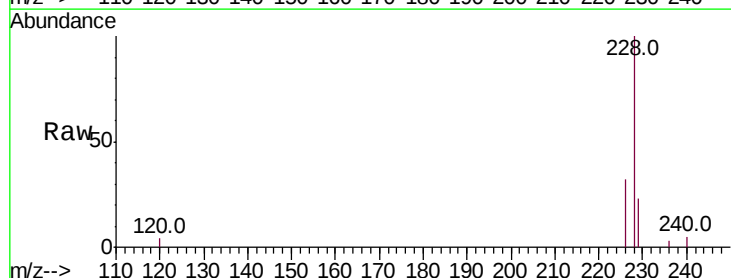
Tgt Ion:228 Resp: 15800

Ion Ratio Lower Upper

228 100

226 32.1 23.2 34.8

229 22.6 16.0 24.0

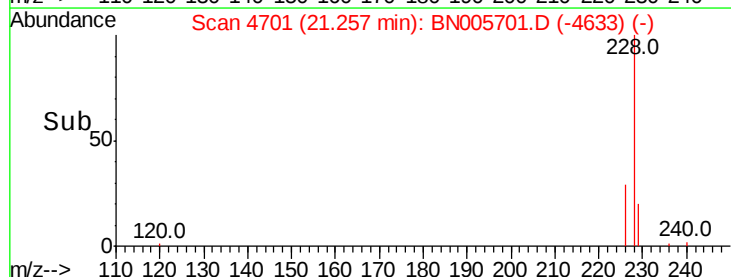
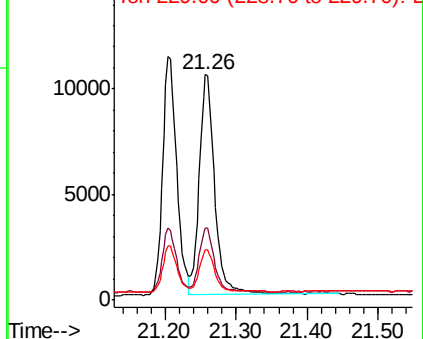


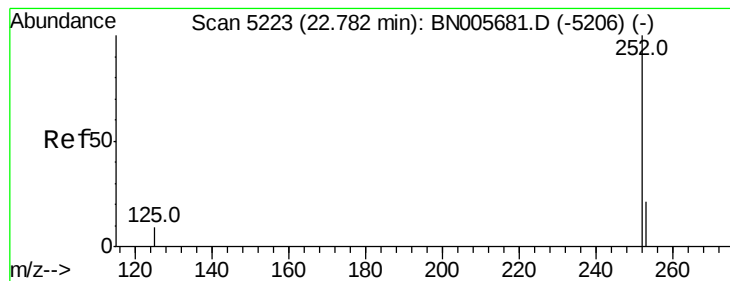
Abundance

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: 0.507 ng/ul

RT: 22.83 min Scan# 5238

Delta R.T. 0.05 min

Lab File: BN005701.D

Acq: 15 May 2019 19:48

Instrument :

BNA_N

ClientSampled :

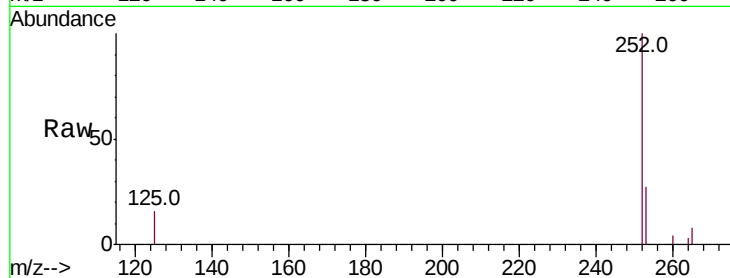
Tot Ion:252 Resp: 13700

Ion Ratio Lower Upper

252 100

253 27.5 0.0 47.6

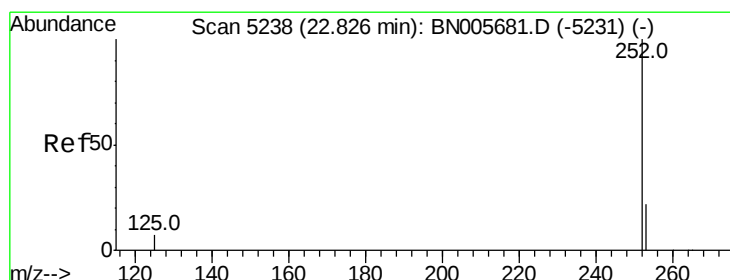
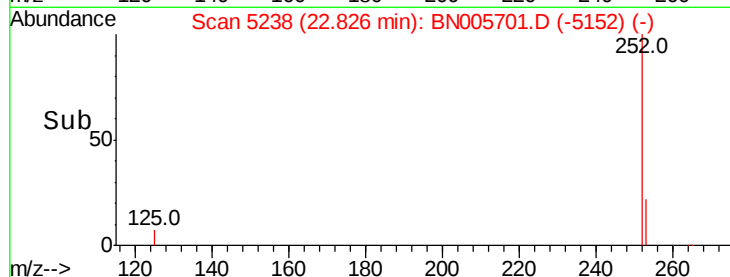
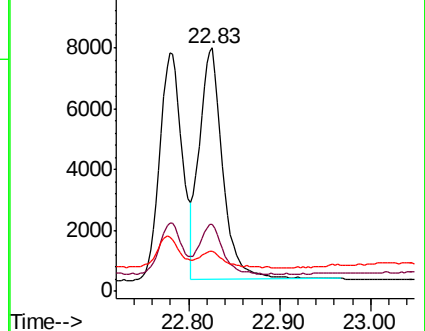
125 16.4 0.0 20.8



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: 0.406 ng/ul

RT: 22.83 min Scan# 5238

Delta R.T. 0.01 min

Lab File: BN005701.D

Acq: 15 May 2019 19:48

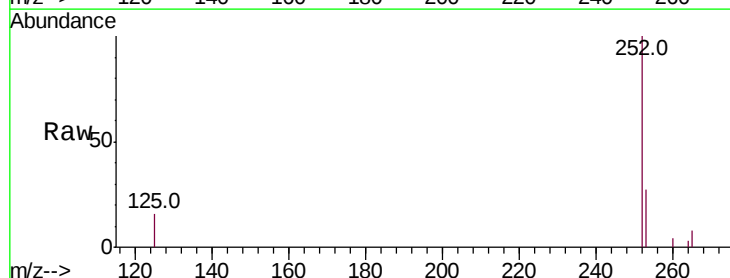
Tgt Ion:252 Resp: 13748

Ion Ratio Lower Upper

252 100

253 27.5 18.8 28.2

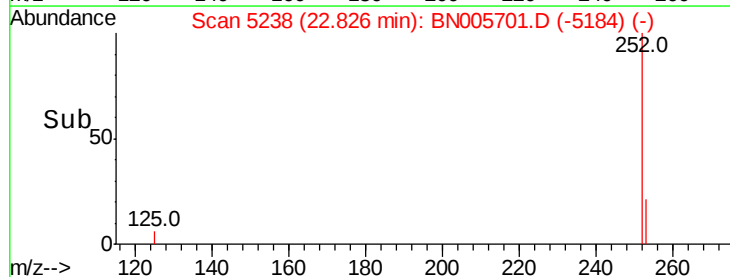
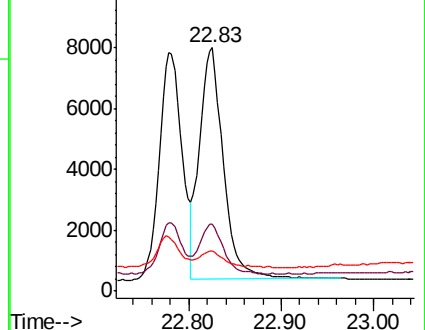
125 16.4 7.6 11.4#

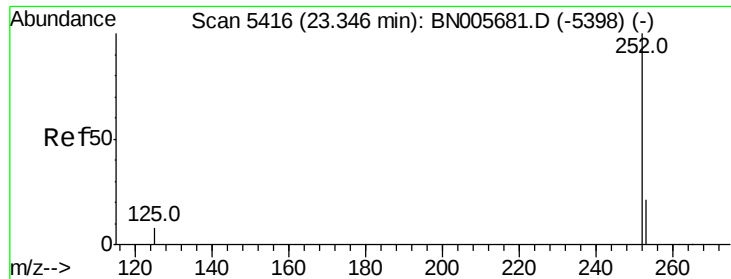


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.419 ng/ul

RT: 23.34 min Scan# 5415

Delta R.T. 0.01 min

Lab File: BN005701.D

Acq: 15 May 2019 19:48

Instrument :

BNA_N

ClientSampleId :

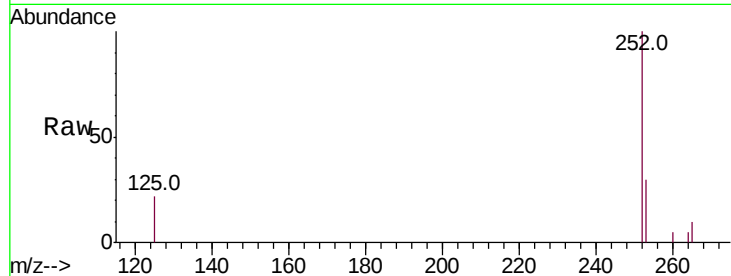
Tot Ion:252 Resp: 12646

Ion Ratio Lower Upper

252 100

253 29.8 19.6 29.4#

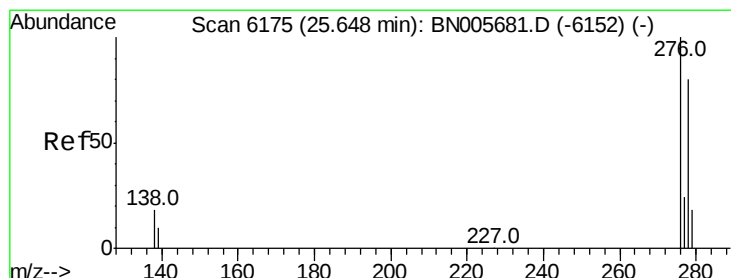
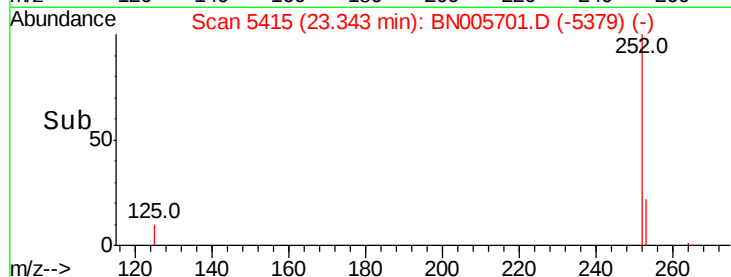
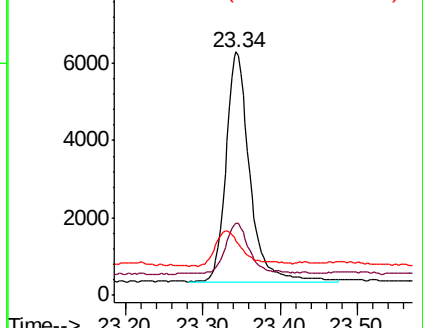
125 22.3 10.1 15.1#



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: 0.397 ng/ul

RT: 25.64 min Scan# 6172

Delta R.T. 0.01 min

Lab File: BN005701.D

Acq: 15 May 2019 19:48

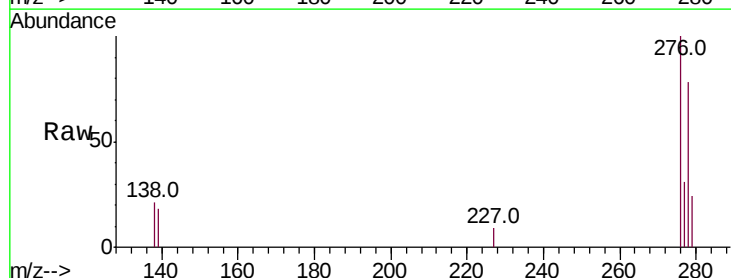
Tgt Ion:276 Resp: 13427

Ion Ratio Lower Upper

276 100

138 15.9 15.8 23.8

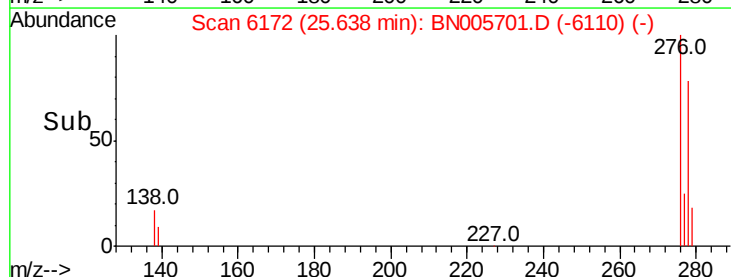
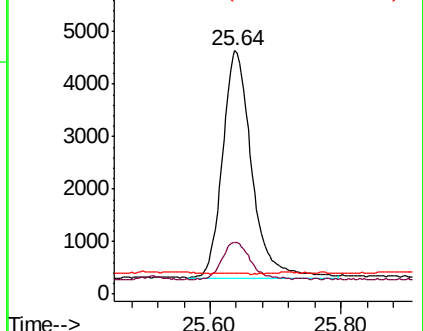
227 0.3 0.1 0.1#

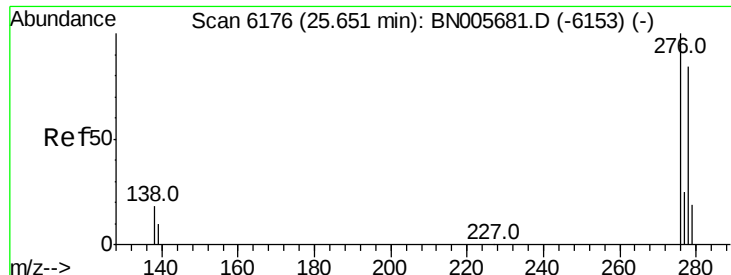


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

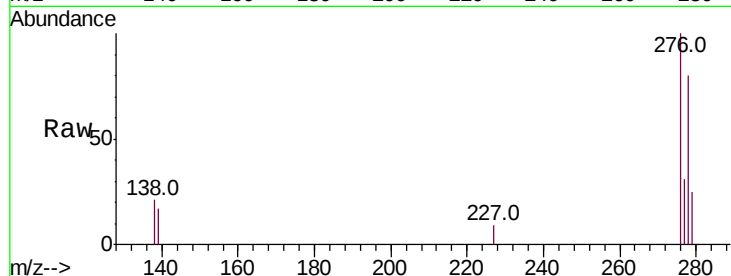




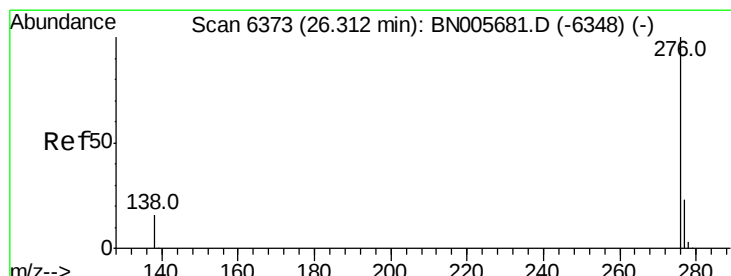
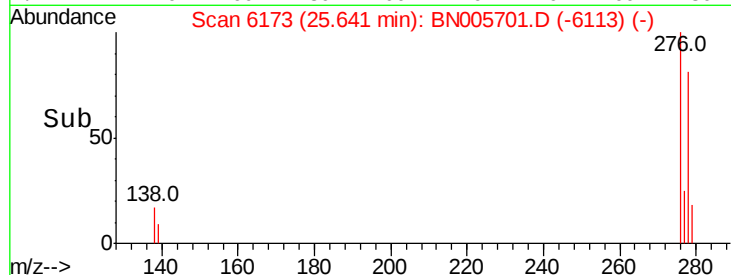
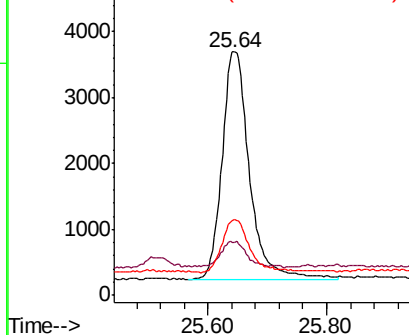
#25
Dibenzo(a,h)anthracene
Concen: 0.394 ng/ul
RT: 25.64 min Scan# 6173
Delta R.T. -0.00 min
Lab File: BN005701.D
Acq: 15 May 2019 19:48

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 11019
Ion Ratio Lower Upper
278 100
139 21.6 12.4 18.6#
279 30.8 21.0 31.4

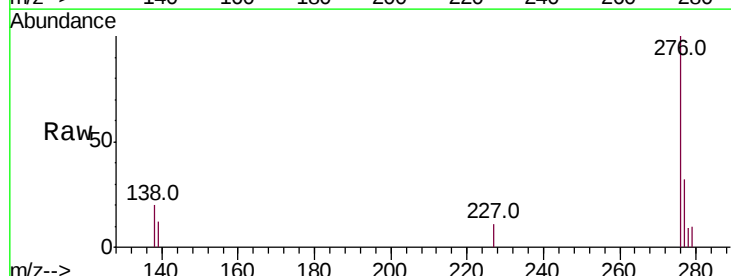


Abundance Ion 278.00 (277.70 to 278.70): E
5000 Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.399 ng/ul
RT: 26.31 min Scan# 6373
Delta R.T. 0.01 min
Lab File: BN005701.D
Acq: 15 May 2019 19:48

Tgt Ion:276 Resp: 11494
Ion Ratio Lower Upper
276 100
138 20.2 15.6 23.4
277 31.5 20.6 31.0#



Abundance Ion 276.00 (275.70 to 276.70): E
5000 Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

