

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031218\
 Data File : BN000301.D
 Acq On : 12 Mar 2018 08:57
 Operator : JU/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD02094

Quant Time: Mar 12 11:45:06 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 09 23:47:40 2018
 Response via : Initial Calibration

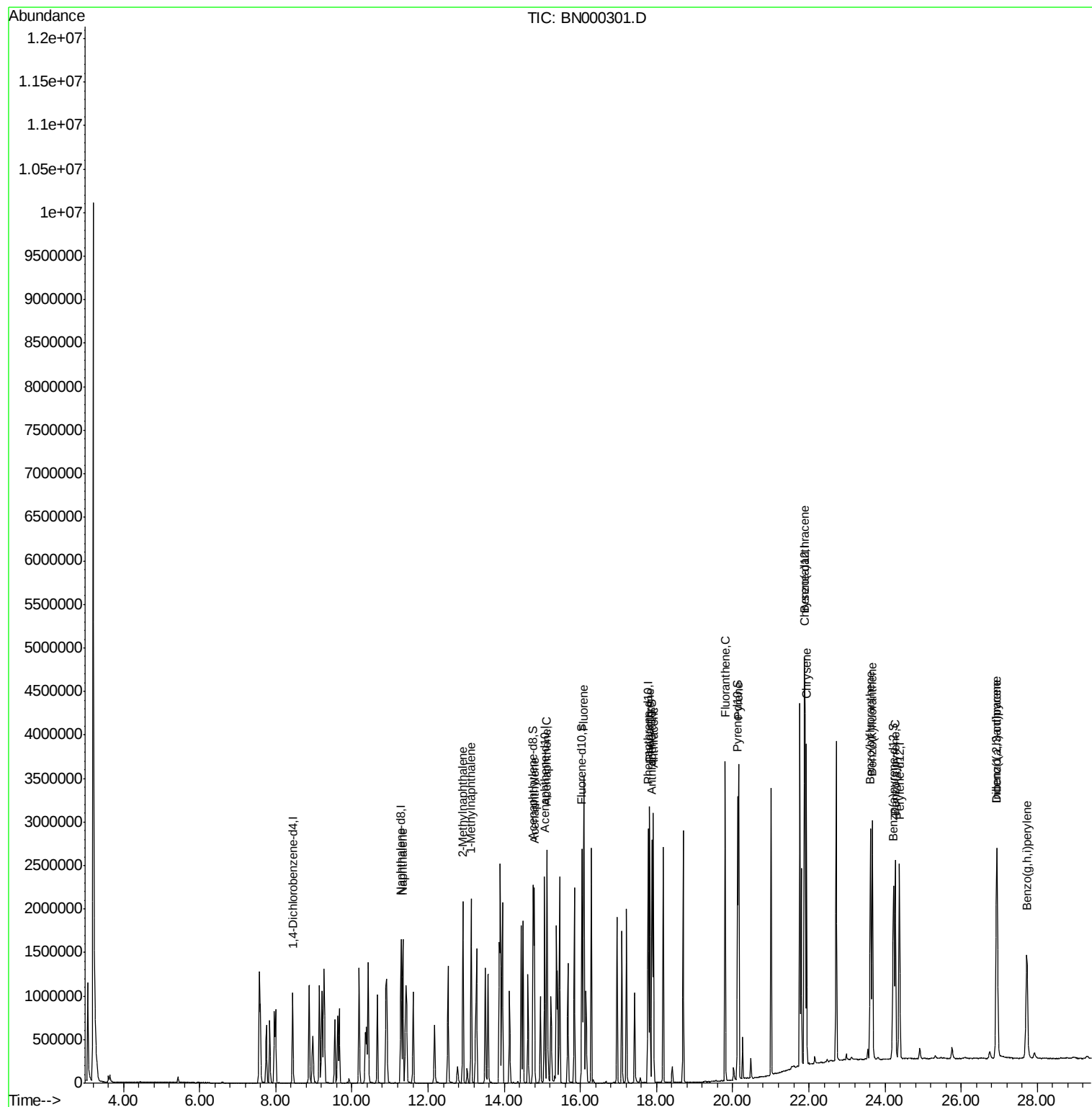
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	272867	20.00	ng/ul	0.00
2) Naphthalene-d8	11.29	136	1360017	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	779138	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.78	188	1605557	20.00	ng/ul	0.00
17) Chrysene-d12	21.90	240	1574802	20.00	ng/ul	0.00
22) Perylene-d12	24.37	264	1511566	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.76	160	1542217	19.94	ng/ul	0.00
10) Fluorene-d10	16.04	176	1005676	19.21	ng/ul	0.00
14) Anthracene-d10	17.88	188	1481433	19.75	ng/ul	0.00
18) Pyrene-d10	20.13	212	1551164	20.13	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.22	264	1375648	19.93	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.34	128	1388934	19.353	ng/ul	100
4) 2-Methylnaphthalene	12.92	142	975682	19.313	ng/ul	98
5) 1-Methylnaphthalene	13.13	142	979795	19.325	ng/ul#	92
8) Acenaphthylene	14.79	152	1527030	19.651	ng/ul	99
9) Acenaphthene	15.12	153	1044170	19.306	ng/ul	95
11) Fluorene	16.09	166	1148893	19.260	ng/ul	95
13) Phenanthrene	17.82	178	1780177	19.333	ng/ul	99
15) Anthracene	17.92	178	1830371	19.591	ng/ul	99
16) Fluoranthene	19.80	202	1957633	19.677	ng/ul#	93
19) Pyrene	20.16	202	2012765	20.244	ng/ul#	88
20) Benzo(a)anthracene	21.88	228	1909624	19.506	ng/ul	99
21) Chrysene	21.94	228	1812774	19.512	ng/ul	99
23) Benzo(b)fluoranthene	23.62	252	1853752	20.566	ng/ul#	97
24) Benzo(k)fluoranthene	23.67	252	1737643	20.595	ng/ul#	96
26) Benzo(a)pyrene	24.27	252	1695926	19.769	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	26.93	276	1731404	18.719	ng/ul#	80
28) Dibenzo(a,h)anthracene	26.94	278	1429951	18.861	ng/ul#	93
29) Benzo(a,h,i)perylene	27.72	276	1427403	18.482	ng/ul#	88

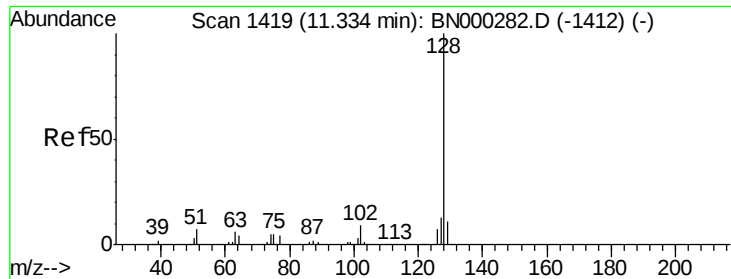
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 19.353 ng/ul

RT: 11.34 min Scan# 1420

Delta R.T. 0.01 min

Lab File: BN000301.D

Acq: 12 Mar 2018 08:57

Instrument :

BNA_N

ClientSampleId :

SSTD02094

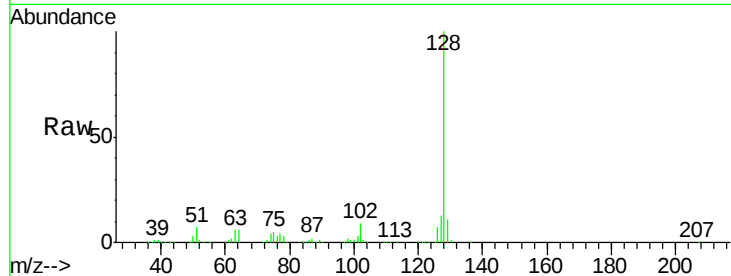
Tot Ion:128 Resp: 1388934

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

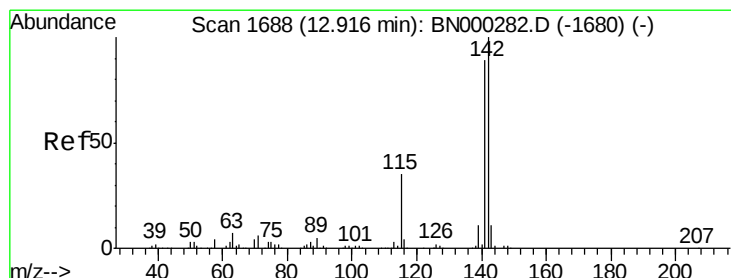
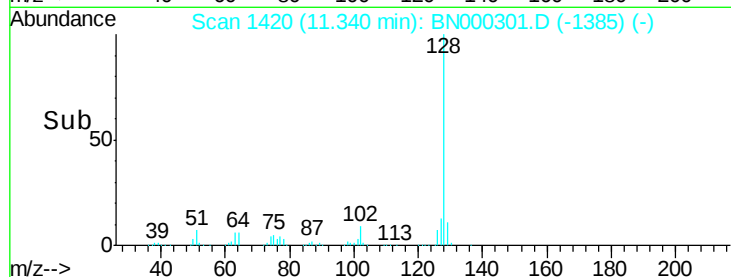
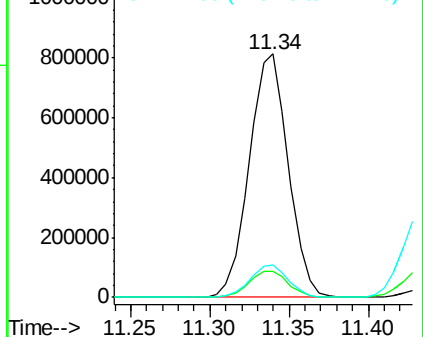
127 13.2 10.6 16.0



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



#4

2-Methylnaphthalene

Concen: 19.313 ng/ul

RT: 12.92 min Scan# 1688

Delta R.T. -0.00 min

Lab File: BN000301.D

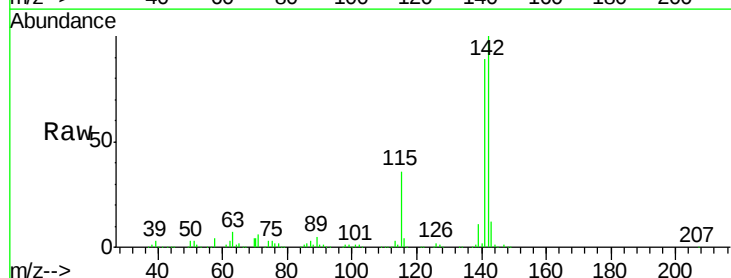
Acq: 12 Mar 2018 08:57

Tgt Ion:142 Resp: 975682

Ion Ratio Lower Upper

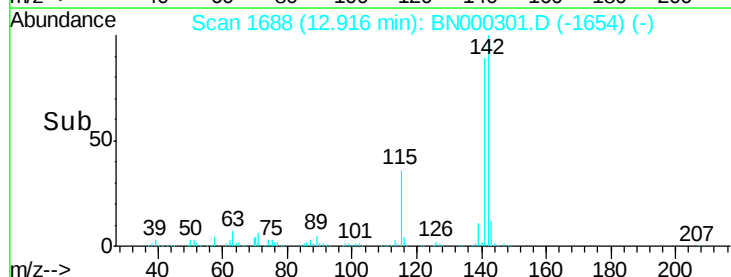
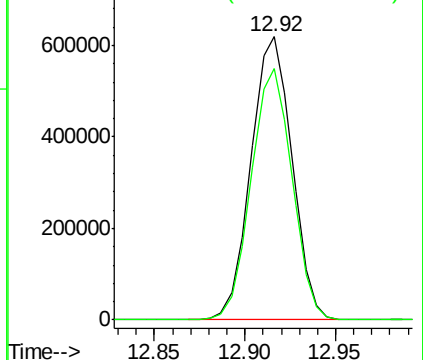
142 100

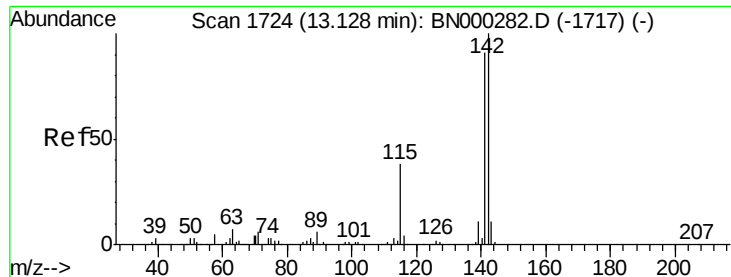
141 88.9 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 19.325 ng/ul

RT: 13.13 min Scan# 1725

Delta R.T. 0.01 min

Lab File: BN000301.D

Acq: 12 Mar 2018 08:57

Instrument :

BNA_N

ClientSampleId :

SSTD02094

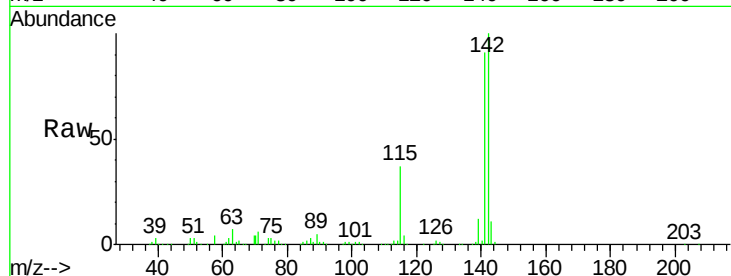
Tot Ion:142 Resp: 979795

Ion Ratio Lower Upper

142 100

141 91.0 79.3 118.9

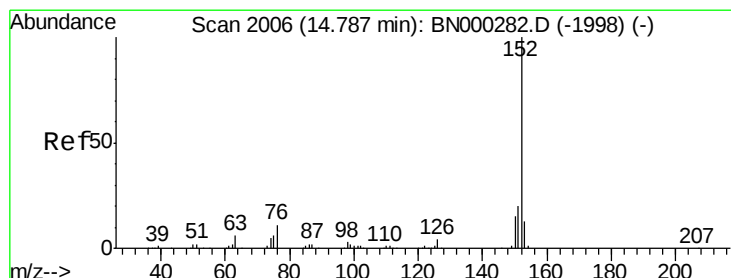
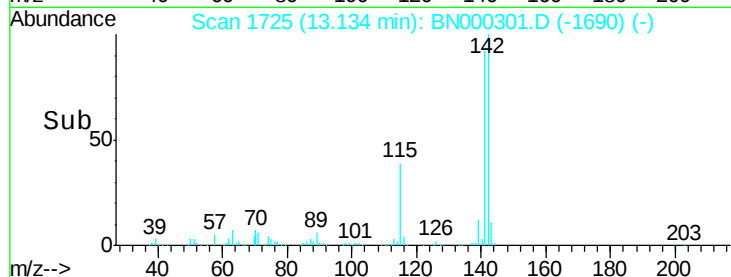
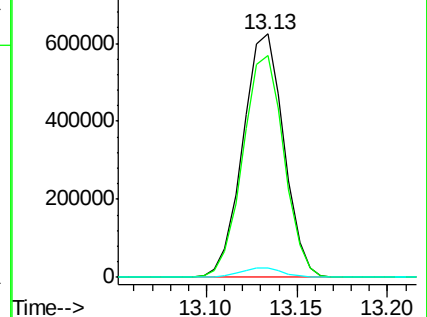
116 3.9 4.2 6.2#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#8

Acenaphthylene

Concen: 19.651 ng/ul

RT: 14.79 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BN000301.D

Acq: 12 Mar 2018 08:57

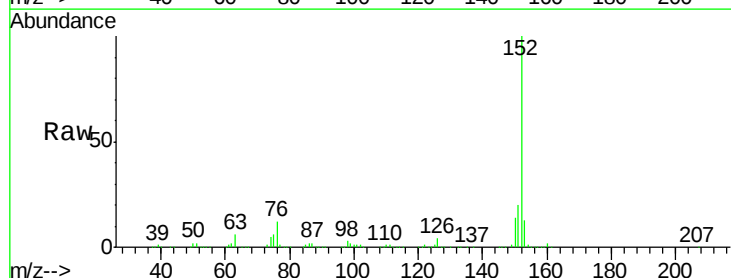
Tgt Ion:152 Resp: 1527030

Ion Ratio Lower Upper

152 100

151 20.0 16.7 25.1

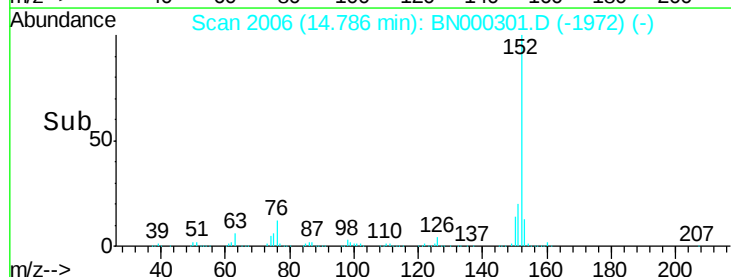
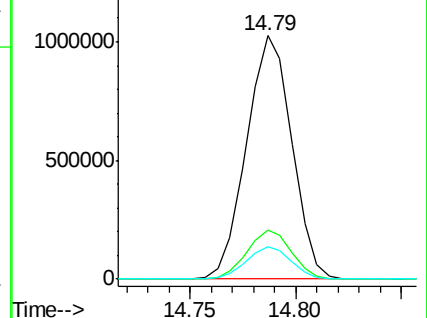
153 13.1 10.2 15.4

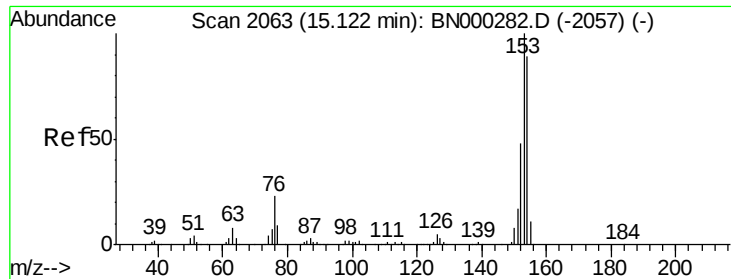


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 19.306 ng/ul

RT: 15.12 min Scan# 2063

Delta R.T. -0.00 min

Lab File: BN000301.D

Acq: 12 Mar 2018 08:57

Instrument :

BNA_N

ClientSampleId :

SSTD02094

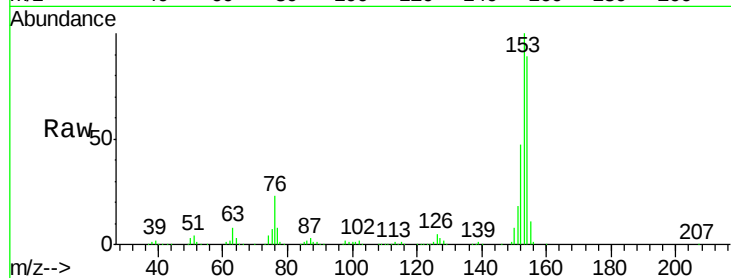
Tot Ion:153 Resp: 1044170

Ion Ratio Lower Upper

153 100

152 47.5 39.0 58.6

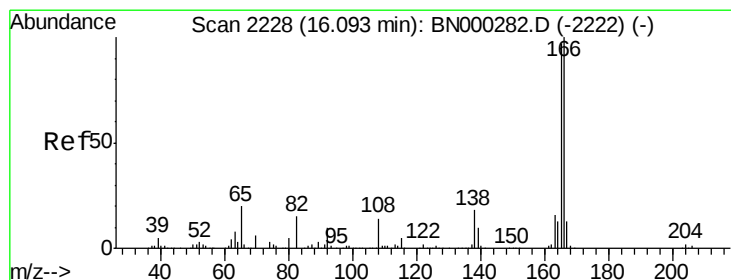
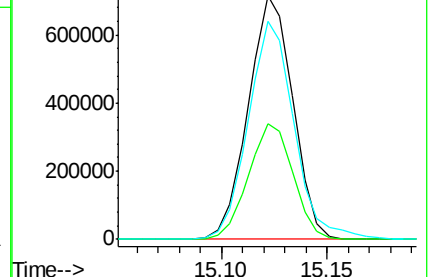
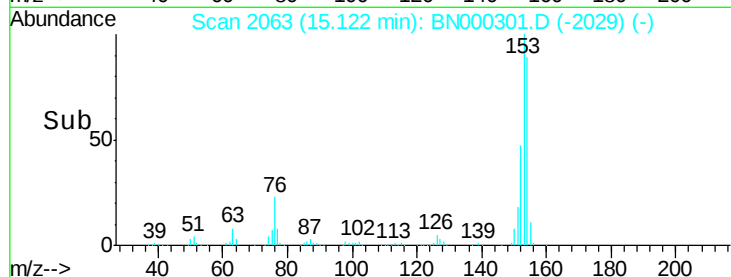
154 89.5 66.8 100.2



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



#11

Fluorene

Concen: 19.260 ng/ul

RT: 16.09 min Scan# 2228

Delta R.T. -0.00 min

Lab File: BN000301.D

Acq: 12 Mar 2018 08:57

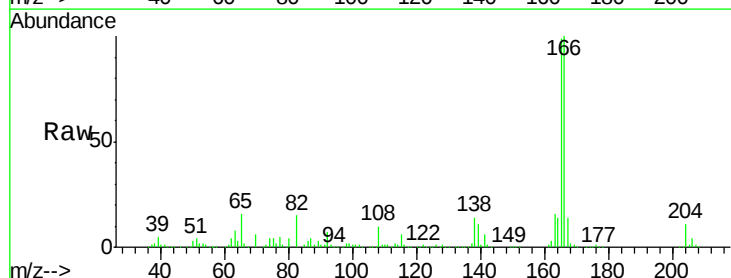
Tgt Ion:166 Resp: 1148893

Ion Ratio Lower Upper

166 100

165 98.9 83.8 125.8

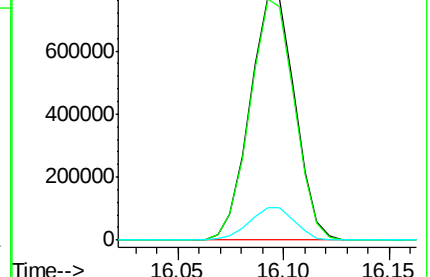
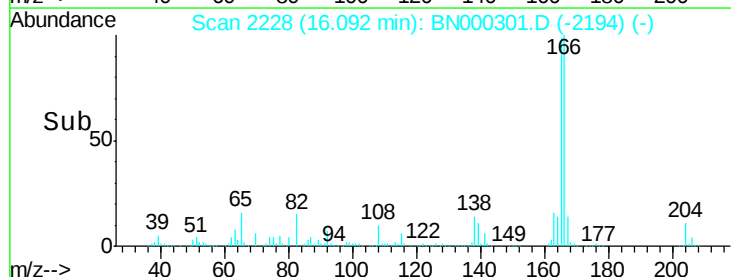
167 13.6 11.5 17.3

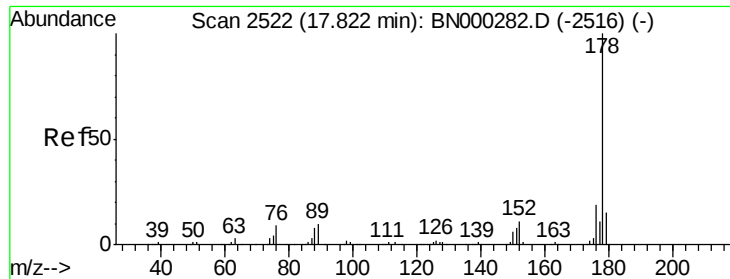


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 19.333 ng/ul

RT: 17.82 min Scan# 2522

Delta R.T. -0.00 min

Lab File: BN000301.D

Acq: 12 Mar 2018 08:57

Instrument :

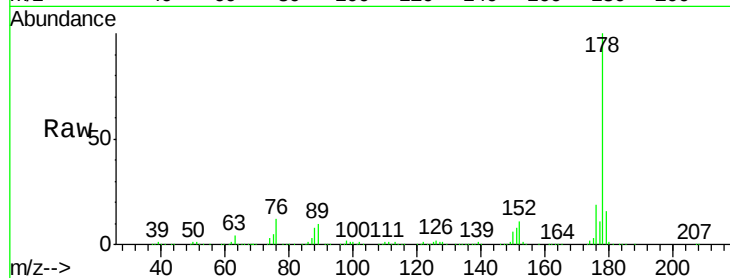
BNA_N

ClientSampleId :

SSTD02094

Tot Ion:178 Resp: 1780177

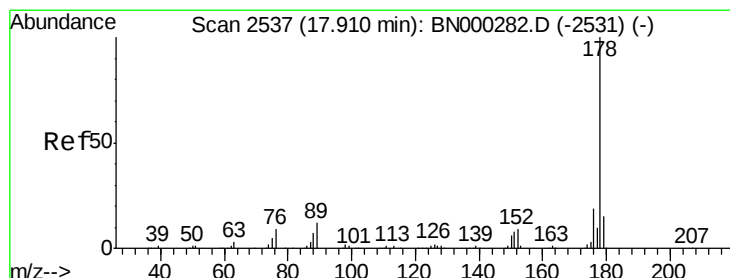
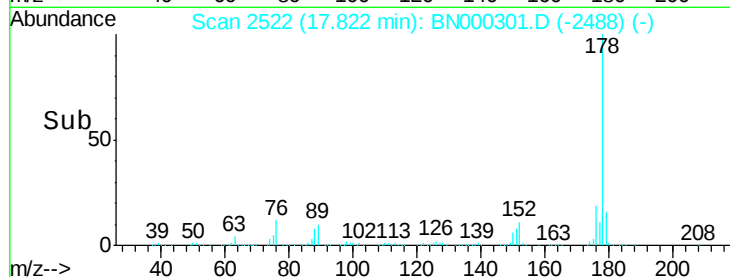
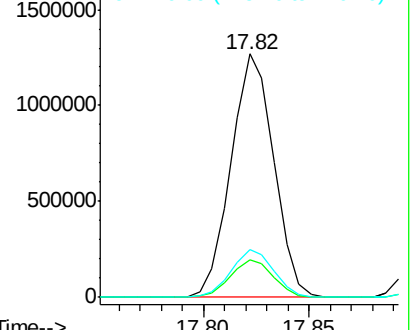
Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	19.4	15.1	22.7



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

Anthracene

Concen: 19.591 ng/ul

RT: 17.92 min Scan# 2538

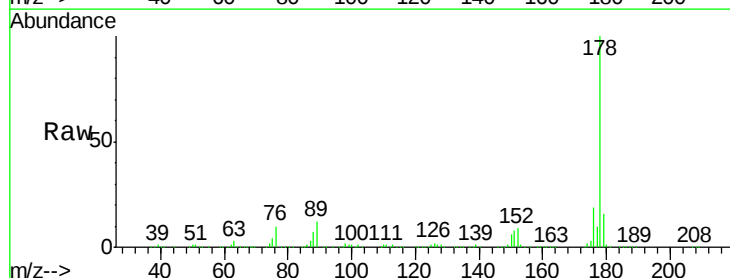
Delta R.T. 0.01 min

Lab File: BN000301.D

Acq: 12 Mar 2018 08:57

Tgt Ion:178 Resp: 1830371

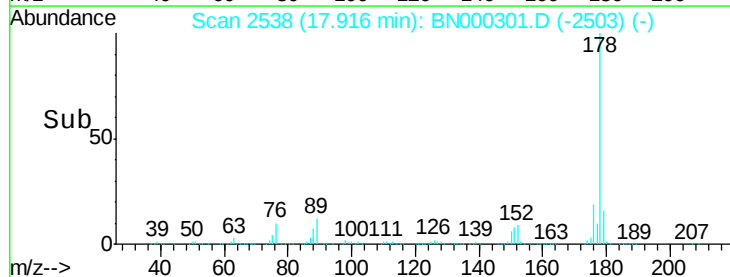
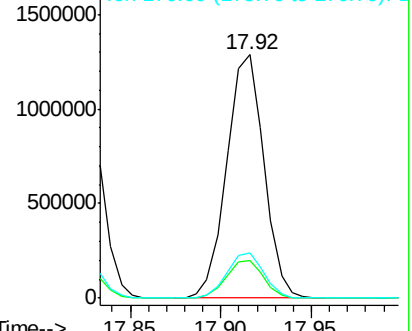
Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.8	17.8
176	18.7	15.2	22.8

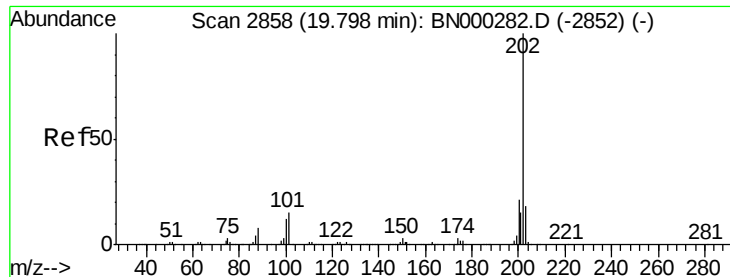


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 19.677 ng/ul

RT: 19.80 min Scan# 2858

Delta R.T. -0.00 min

Lab File: BN000301.D

Acq: 12 Mar 2018 08:57

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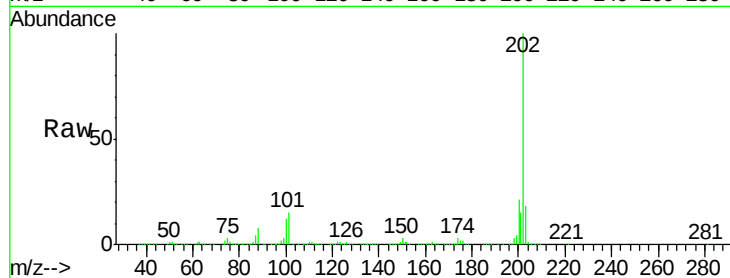
Tot Ion:202 Resp: 1957633

Ion Ratio Lower Upper

202 100

101 15.5 9.9 14.9#

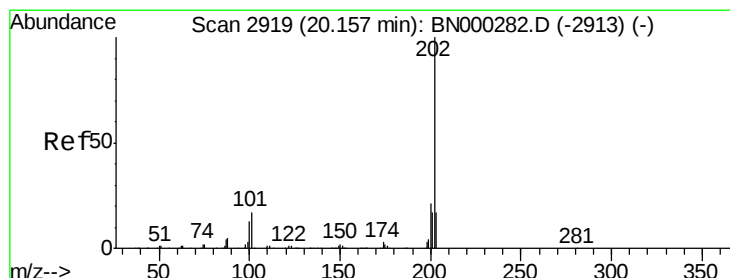
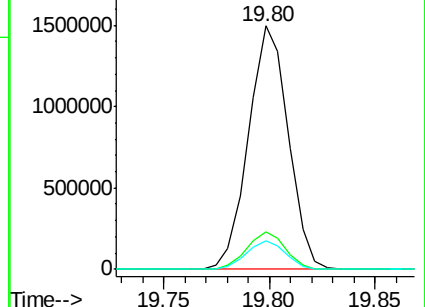
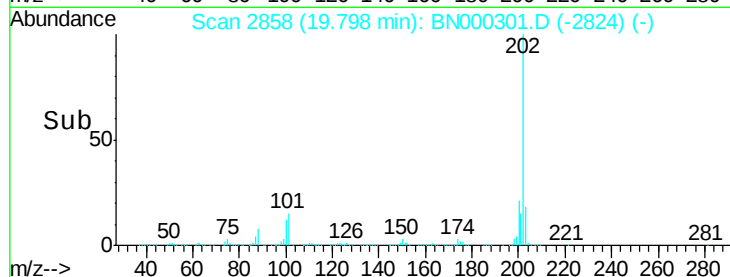
100 11.6 7.4 11.0#



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



#19

Pyrene

Concen: 20.244 ng/ul

RT: 20.16 min Scan# 2919

Delta R.T. -0.00 min

Lab File: BN000301.D

Acq: 12 Mar 2018 08:57

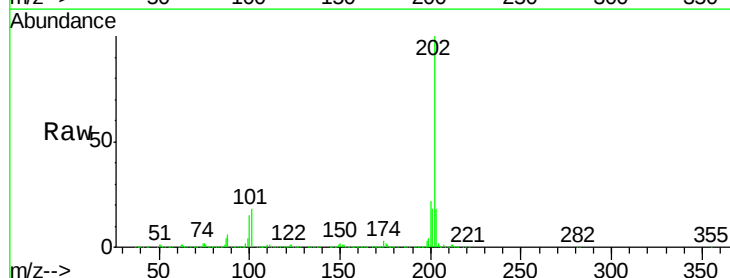
Tgt Ion:202 Resp: 2012765

Ion Ratio Lower Upper

202 100

101 18.2 11.0 16.4#

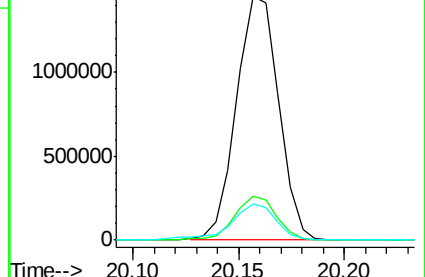
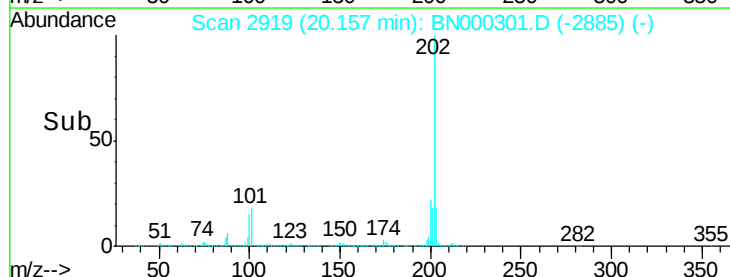
100 15.1 8.1 12.1#

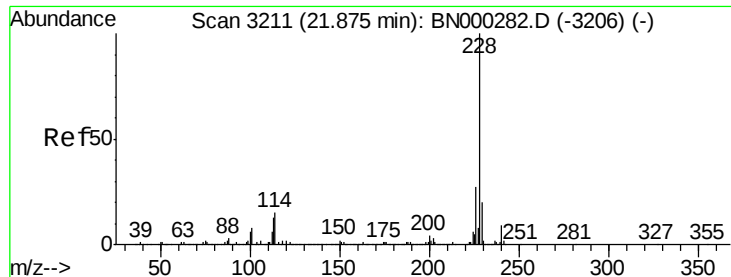


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 19.506 ng/ul

RT: 21.88 min Scan# 3212

Delta R.T. 0.01 min

Lab File: BN000301.D

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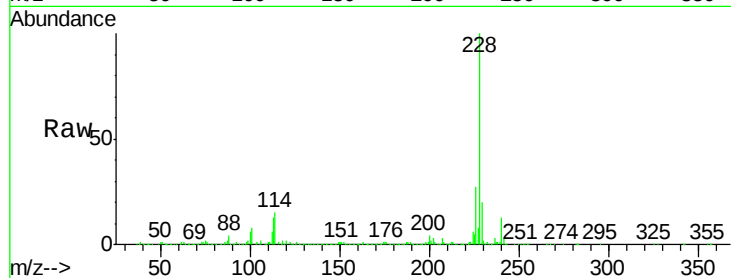
Tot Ion:228 Resp: 1909624

Ion Ratio Lower Upper

228 100

229 19.8 15.7 23.5

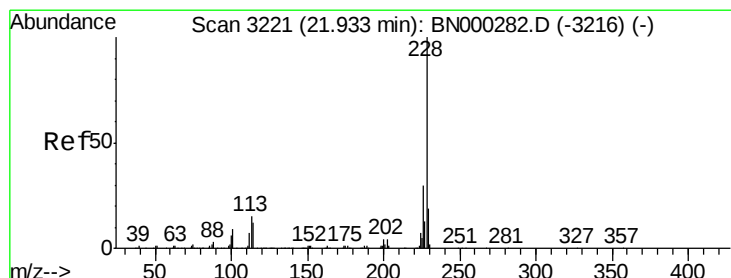
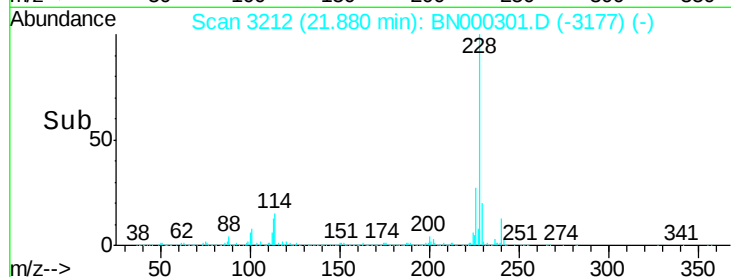
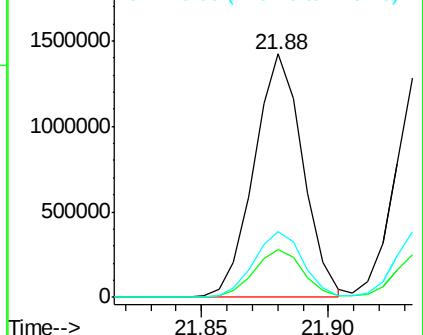
226 27.1 21.1 31.7



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



#21

Chrysene

Concen: 19.512 ng/ul

RT: 21.94 min Scan# 3222

Delta R.T. 0.01 min

Lab File: BN000301.D

Acq: 12 Mar 2018 08:57

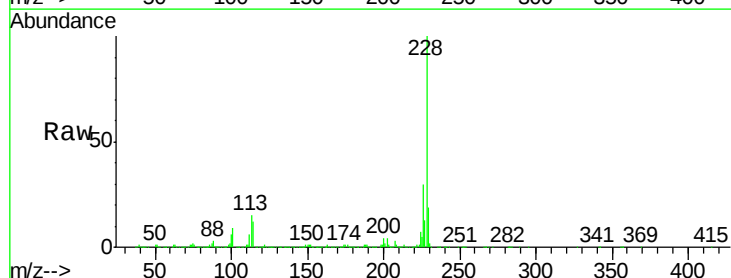
Tgt Ion:228 Resp: 1812774

Ion Ratio Lower Upper

228 100

226 30.1 24.5 36.7

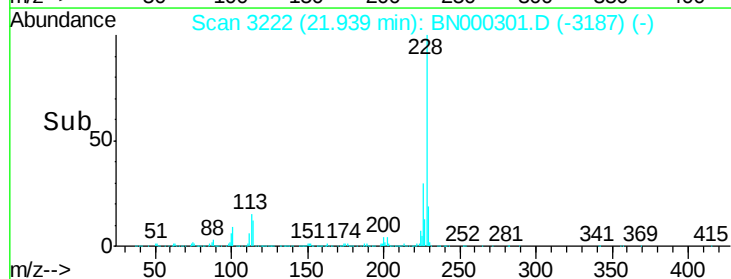
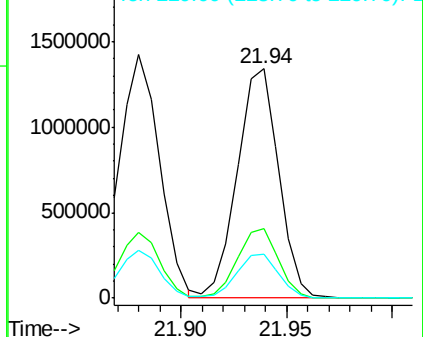
229 19.2 15.8 23.8

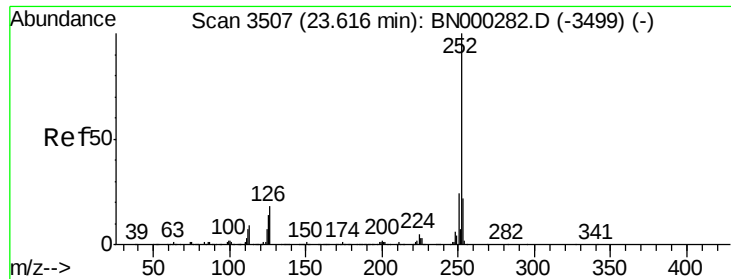


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 20.566 ng/ul

RT: 23.62 min Scan# 3508

Delta R.T. 0.01 min

Lab File: BN000301.D

Acq: 12 Mar 2018 08:57

Instrument :

BNA_N

ClientSampleId :

SSTD02094

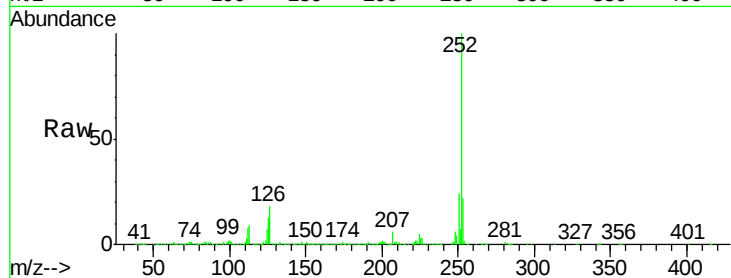
Tot Ion:252 Resp: 1853752

Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

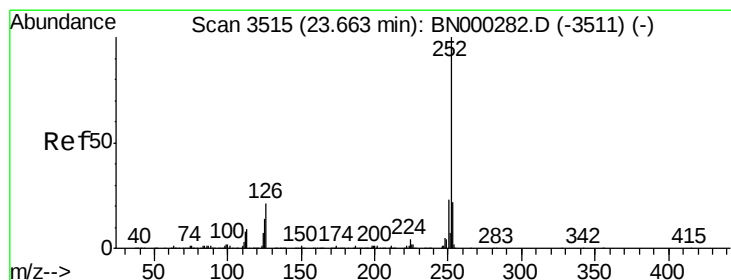
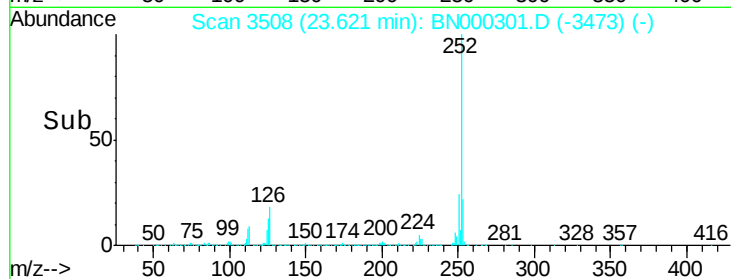
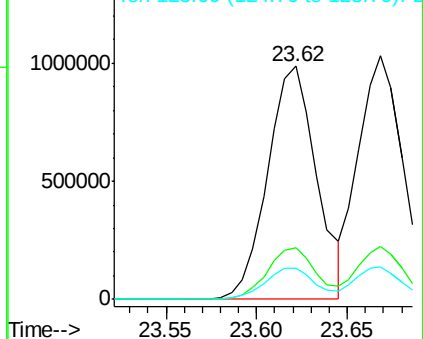
125 13.4 8.0 12.0#



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

Benzo(k)fluoranthene

Concen: 20.595 ng/ul

RT: 23.67 min Scan# 3516

Delta R.T. 0.01 min

Lab File: BN000301.D

Acq: 12 Mar 2018 08:57

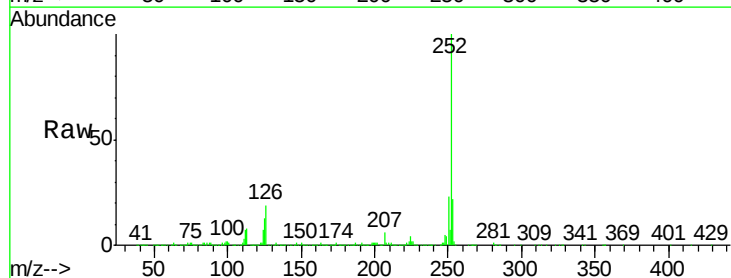
Tgt Ion:252 Resp: 1737643

Ion Ratio Lower Upper

252 100

253 21.8 18.0 27.0

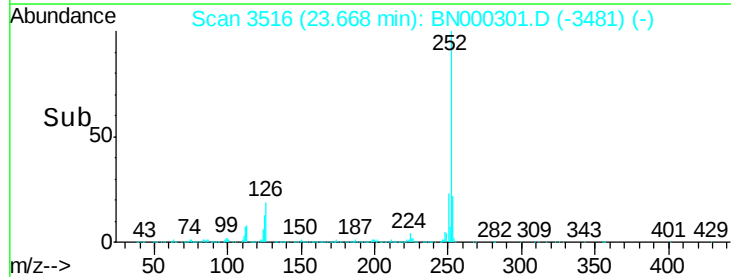
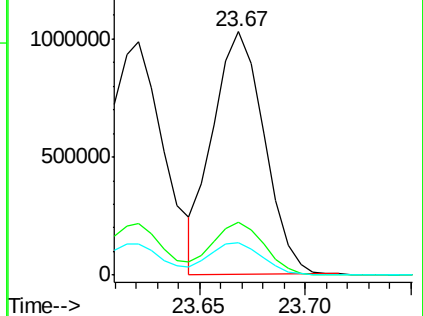
125 13.4 8.1 12.1#

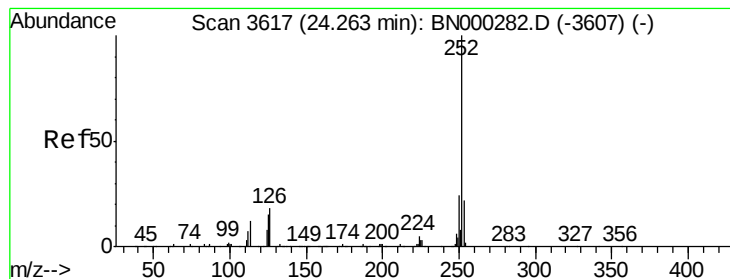


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 19.769 ng/ul

RT: 24.27 min Scan# 3618

Delta R.T. 0.01 min

Lab File: BN000301.D

Acq: 12 Mar 2018 08:57

Instrument :

BNA_N

ClientSampleId :

SSTD02094

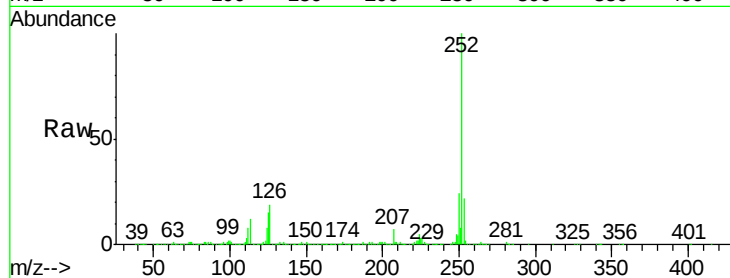
Tot Ion:252 Resp: 1695926

Ion Ratio Lower Upper

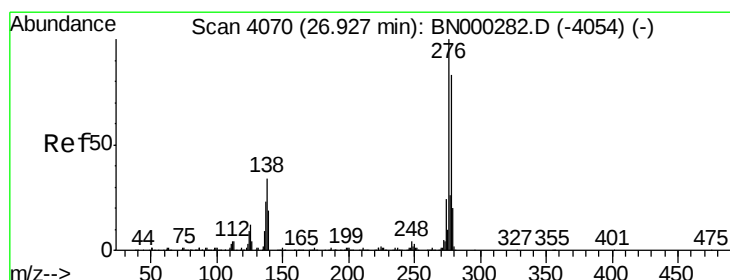
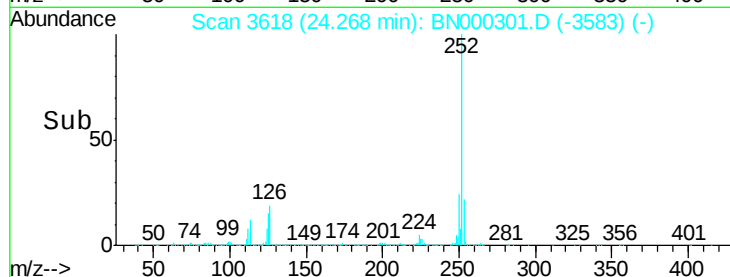
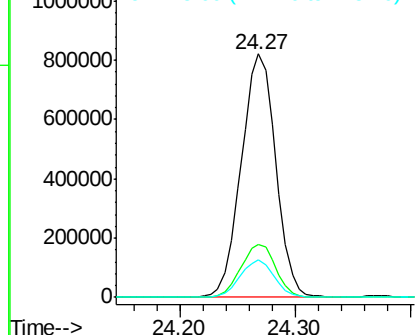
252 100

253 21.9 17.2 25.8

125 15.3 8.2 12.4#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 18.719 ng/ul

RT: 26.93 min Scan# 4071

Delta R.T. 0.01 min

Lab File: BN000301.D

Acq: 12 Mar 2018 08:57

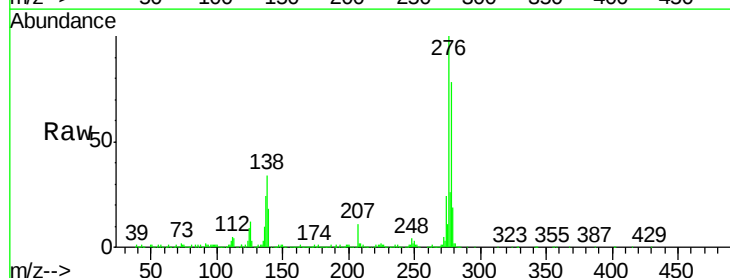
Tgt Ion:276 Resp: 1731404

Ion Ratio Lower Upper

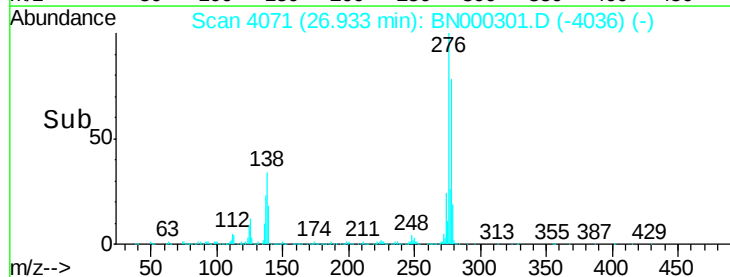
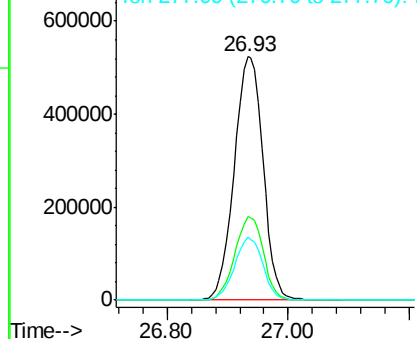
276 100

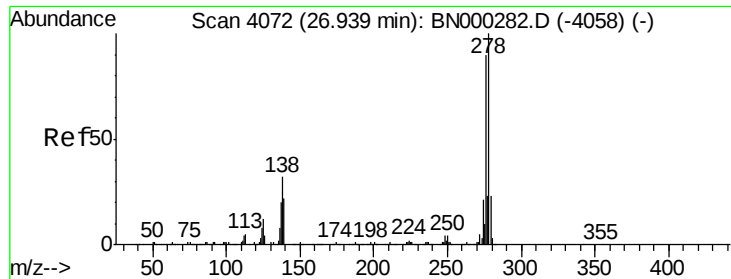
138 34.1 14.4 21.6#

277 25.9 18.0 27.0



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



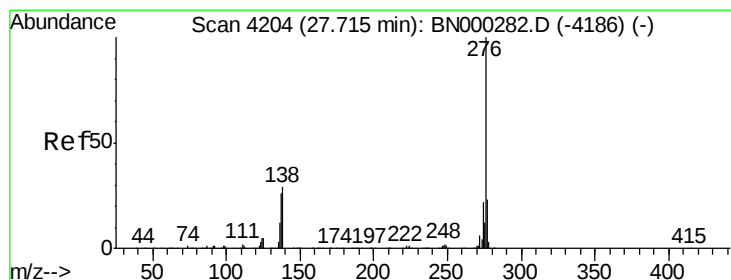
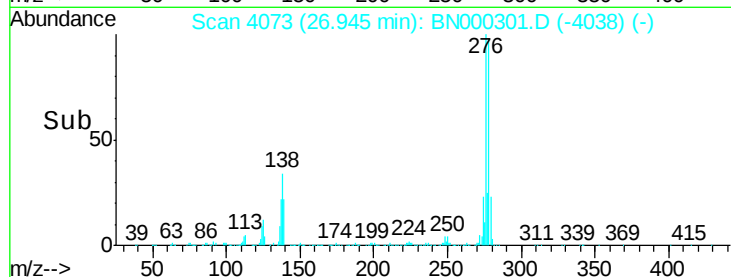
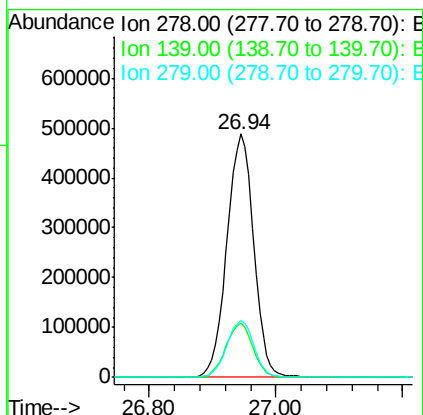
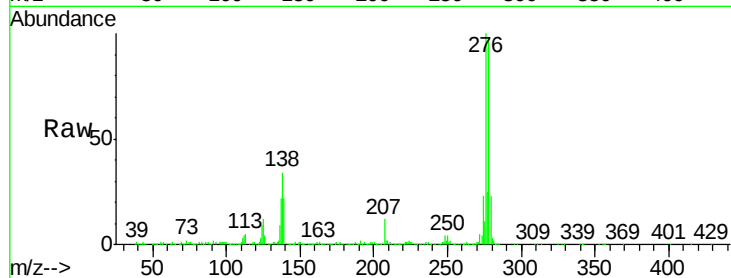


#28

Dibenzo(a,h)anthracene
Concen: 18.861 ng/ul
RT: 26.94 min Scan# 4073
Delta R.T. 0.01 min
Lab File: BN000301.D
Acq: 12 Mar 2018 08:57

Instrument :
BNA_N
ClientSampleId :
SSTD02094

Tot Ion:278 Resp: 1429951
Ion Ratio Lower Upper
278 100
139 22.0 12.2 18.4#
279 23.3 19.2 28.8



#29

Benzo(g,h,i)perylene
Concen: 18.482 ng/ul
RT: 27.72 min Scan# 4205
Delta R.T. 0.01 min
Lab File: BN000301.D
Acq: 12 Mar 2018 08:57

Tgt Ion:276 Resp: 1427403
Ion Ratio Lower Upper
276 100
138 30.2 15.3 22.9#
277 23.1 19.0 28.4

