

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031318\
 Data File : BN000363.D
 Acq On : 13 Mar 2018 23:19
 Operator : JU/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD02001

Quant Time: Mar 14 08:15:40 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 14 08:11:44 2018
 Response via : Initial Calibration

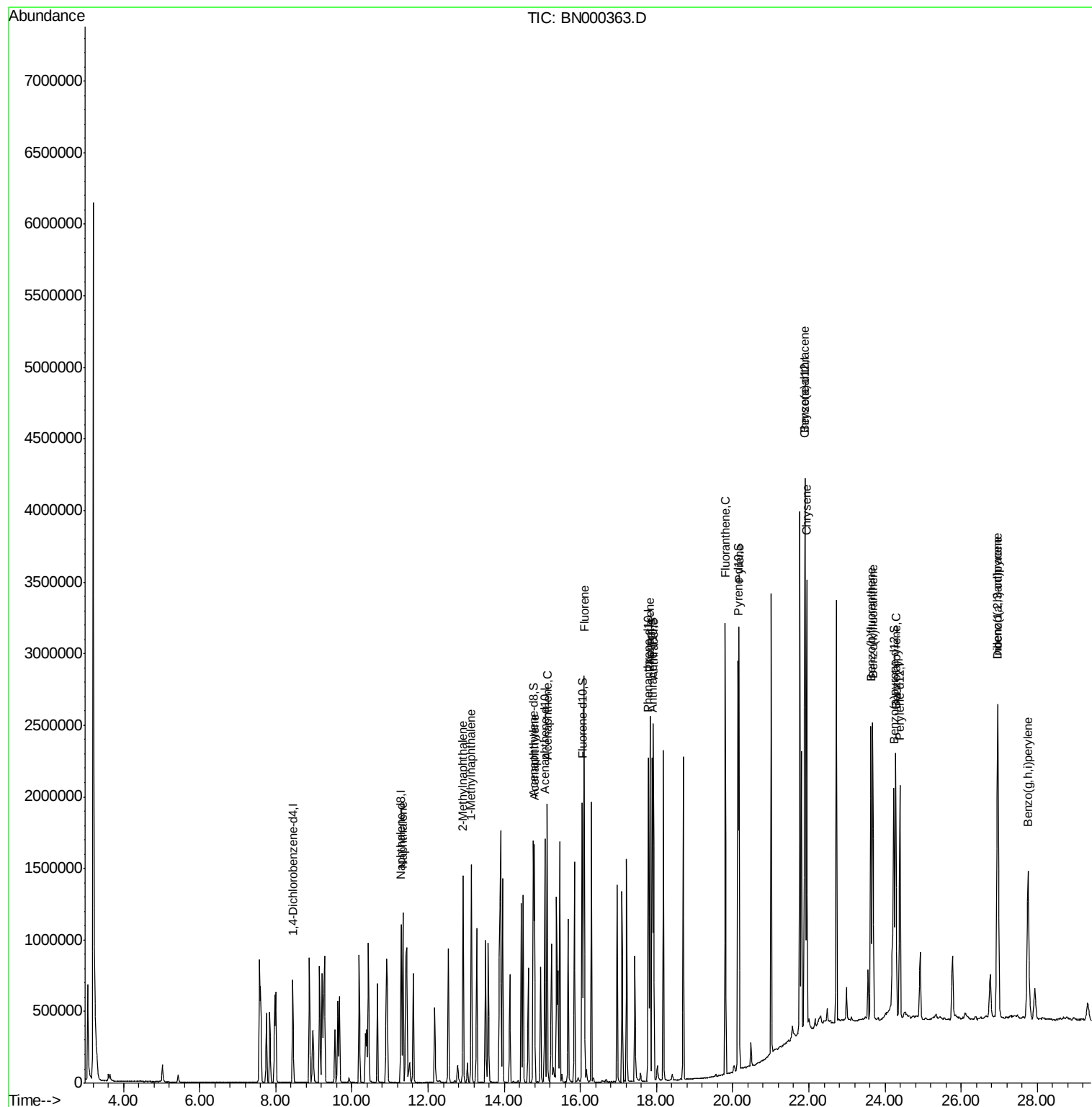
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	197855	20.00	ng/ul	0.00
2) Naphthalene-d8	11.29	136	936363	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	537586	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.79	188	1227142	20.00	ng/ul	0.00
17) Chrysene-d12	21.90	240	1231152	20.00	ng/ul	0.00
22) Perylene-d12	24.39	264	1141238	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.76	160	1129162	21.16	ng/ul	0.00
10) Fluorene-d10	16.05	176	751063	20.79	ng/ul	0.00
14) Anthracene-d10	17.89	188	1201009	20.95	ng/ul	0.00
18) Pyrene-d10	20.14	212	1347495	22.37	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.23	264	1087536	20.87	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.34	128	999179	20.221	ng/ul	99
4) 2-Methylnaphthalene	12.92	142	691512	19.881	ng/ul	98
5) 1-Methylnaphthalene	13.13	142	694489	19.896	ng/ul#	93
8) Acenaphthylene	14.79	152	1119492	20.879	ng/ul	98
9) Acenaphthene	15.13	153	759979	20.365	ng/ul	95
11) Fluorene	16.10	166	859485	20.882	ng/ul	93
13) Phenanthrene	17.83	178	1429858	20.317	ng/ul	100
15) Anthracene	17.92	178	1482947	20.767	ng/ul	99
16) Fluoranthene	19.80	202	1708372	22.467	ng/ul#	92
19) Pyrene	20.17	202	1724157	22.182	ng/ul#	91
20) Benzo(a)anthracene	21.89	228	1614760	21.098	ng/ul	98
21) Chrysene	21.95	228	1471693	20.262	ng/ul	100
23) Benzo(b)fluoranthene	23.63	252	1452260	21.340	ng/ul#	96
24) Benzo(k)fluoranthene	23.68	252	1424964	22.370	ng/ul#	96
26) Benzo(a)pyrene	24.28	252	1343910	20.750	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	26.96	276	1489709	21.332	ng/ul#	81
28) Dibenzo(a,h)anthracene	26.97	278	1242952	21.714	ng/ul#	93
29) Benzo(g,h,i)perylene	27.76	276	1231933	21.127	ng/ul#	89

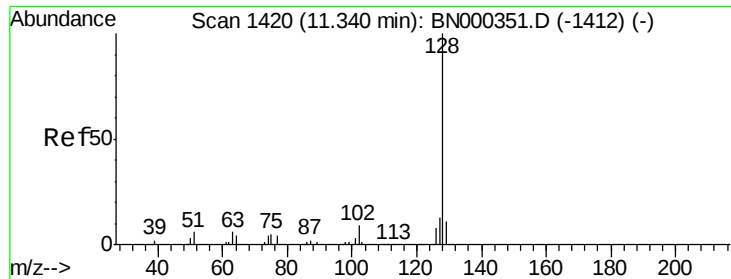
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 20.221 ng/ul

RT: 11.34 min Scan# 1420

Delta R.T. -0.00 min

Lab File: BN000363.D

Acq: 13 Mar 2018 23:19

Instrument :

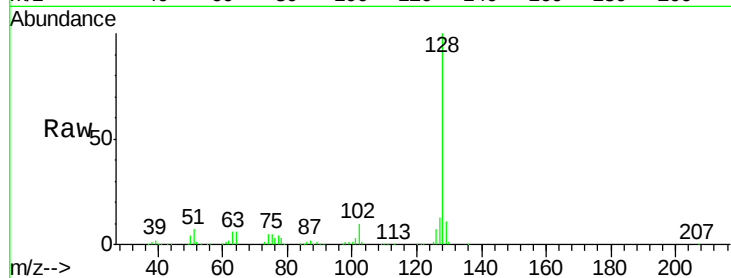
BNA_N

ClientSampleId :

SSTD02001

Tot Ion:128 Resp: 999179

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	12.9	10.6	16.0

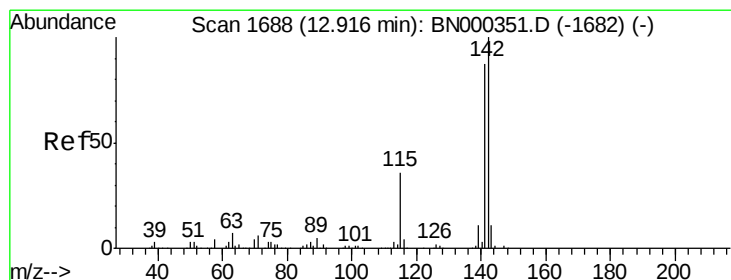
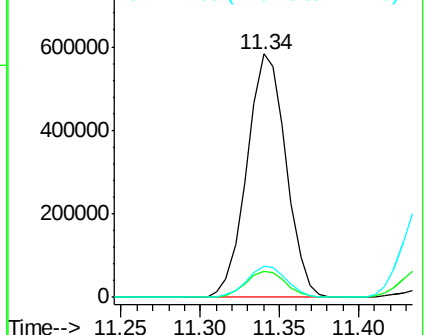
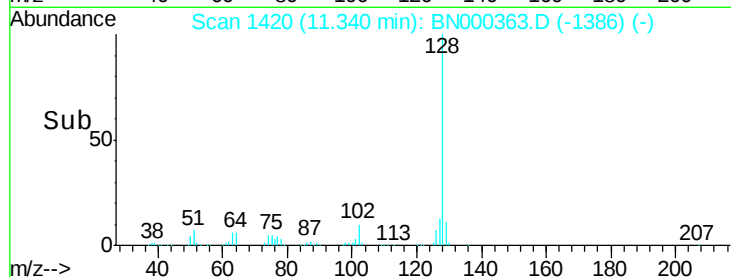


Abundance

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: 19.881 ng/ul

RT: 12.92 min Scan# 1689

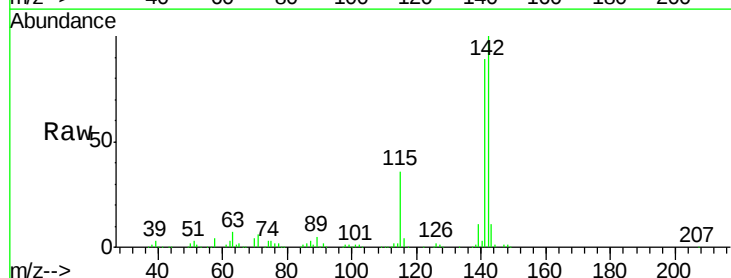
Delta R.T. 0.01 min

Lab File: BN000363.D

Acq: 13 Mar 2018 23:19

Tgt Ion:142 Resp: 691512

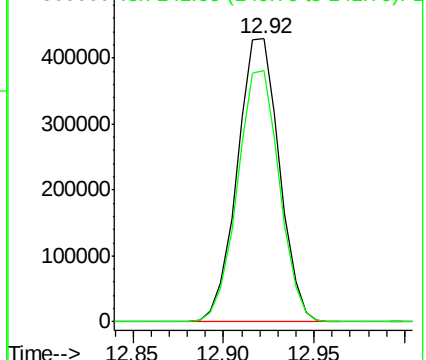
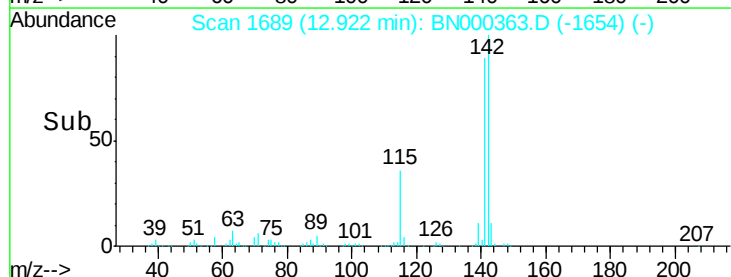
Ion	Ratio	Lower	Upper
142	100		
141	88.9	72.7	109.1

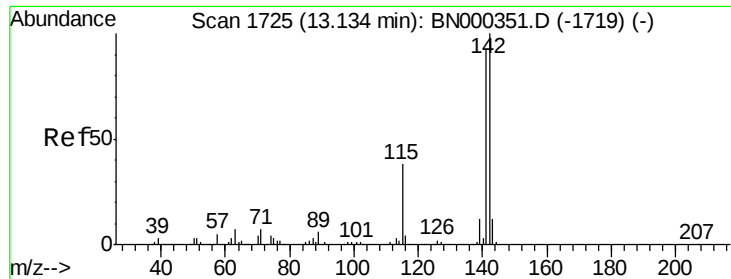


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 19.896 ng/ul

RT: 13.13 min Scan# 1725

Delta R.T. -0.00 min

Lab File: BN000363.D

Acq: 13 Mar 2018 23:19

Instrument :

BNA_N

ClientSampleId :

SSTD02001

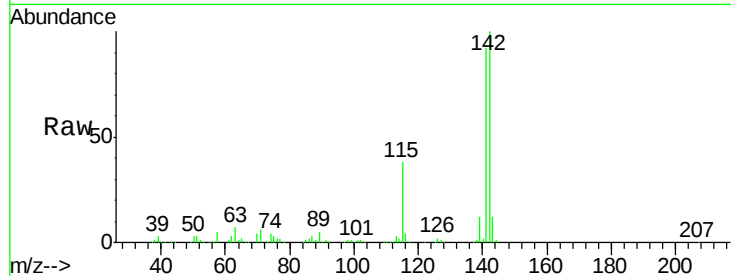
Tot Ion:142 Resp: 694489

Ion Ratio Lower Upper

142 100

141 92.5 79.3 118.9

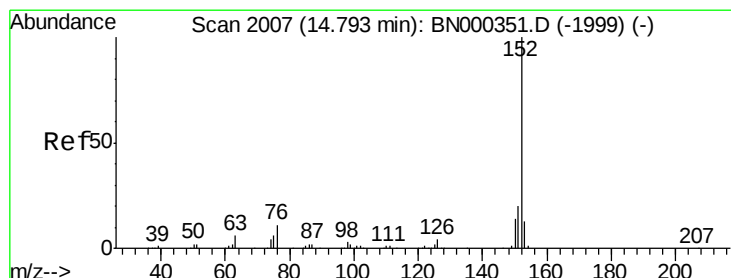
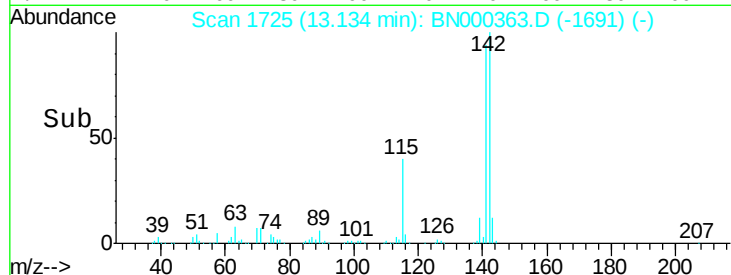
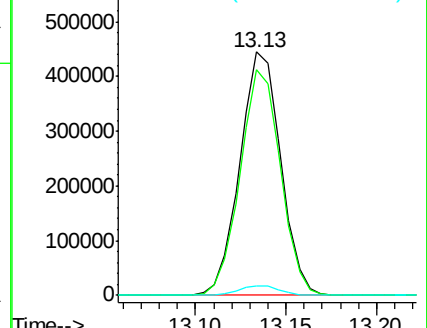
116 3.9 4.2 6.2#



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: 20.879 ng/ul

RT: 14.79 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BN000363.D

Acq: 13 Mar 2018 23:19

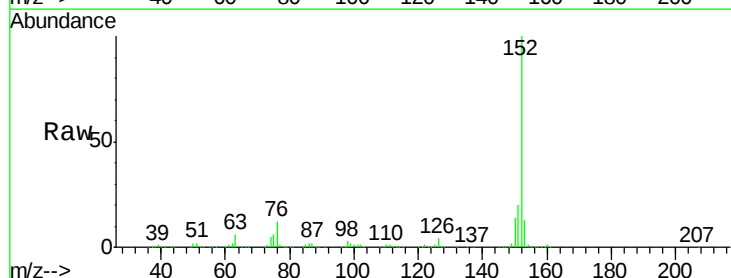
Tgt Ion:152 Resp: 1119492

Ion Ratio Lower Upper

152 100

151 19.6 16.7 25.1

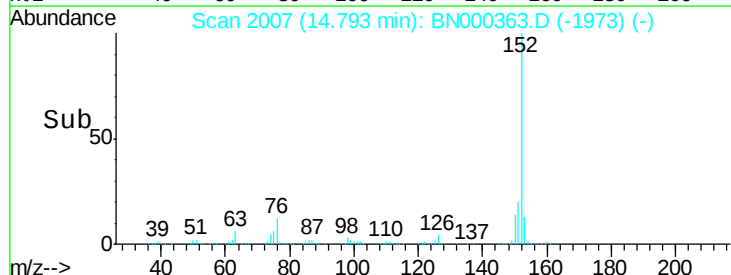
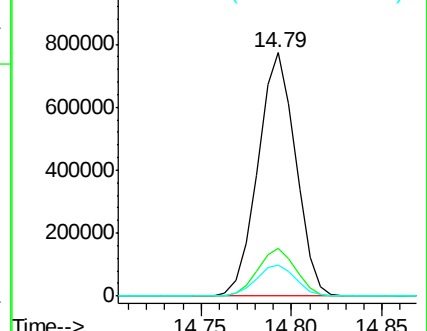
153 13.0 10.2 15.4

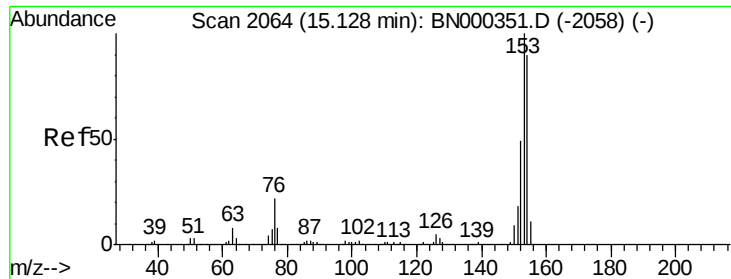


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.365 ng/ul

RT: 15.13 min Scan# 2064

Delta R.T. -0.00 min

Lab File: BN000363.D

Acq: 13 Mar 2018 23:19

Instrument :

BNA_N

ClientSampleId :

SSTD02001

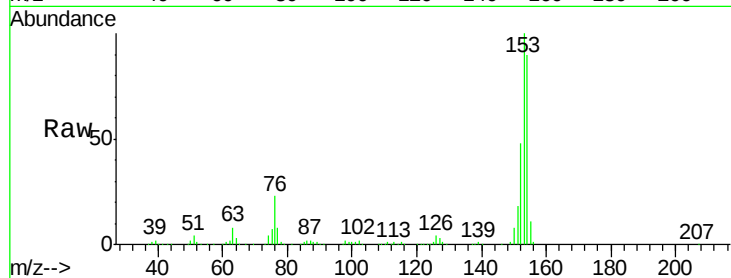
Tot Ion:153 Resp: 759979

Ion Ratio Lower Upper

153 100

152 47.8 39.0 58.6

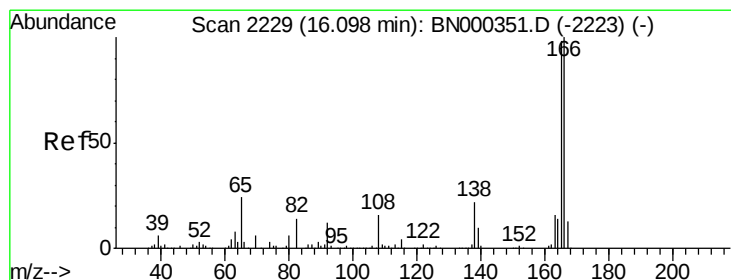
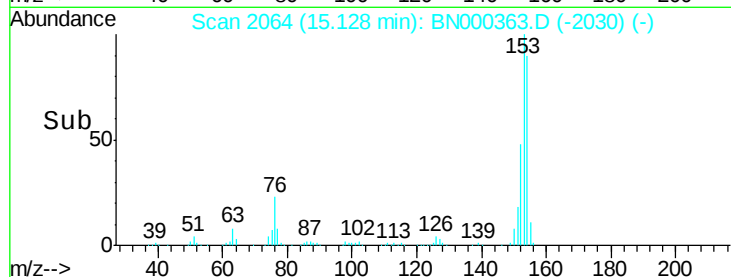
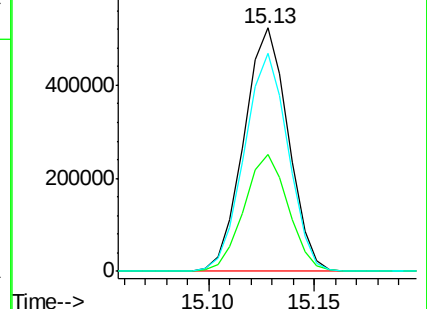
154 89.5 66.8 100.2



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: 20.882 ng/ul

RT: 16.10 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BN000363.D

Acq: 13 Mar 2018 23:19

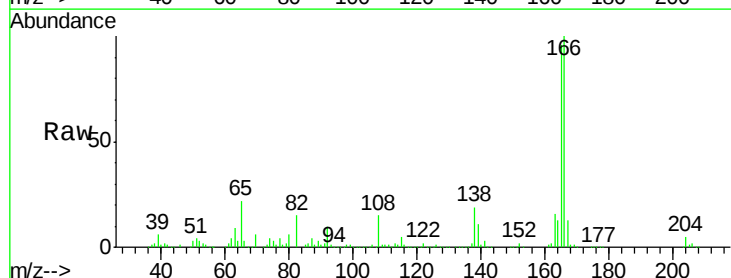
Tgt Ion:166 Resp: 859485

Ion Ratio Lower Upper

166 100

165 96.5 83.8 125.8

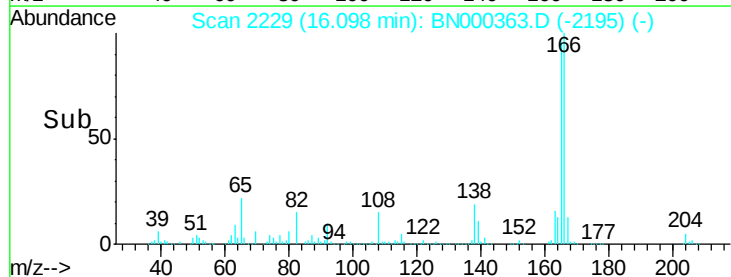
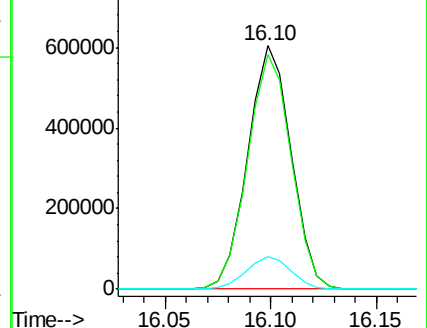
167 13.4 11.5 17.3

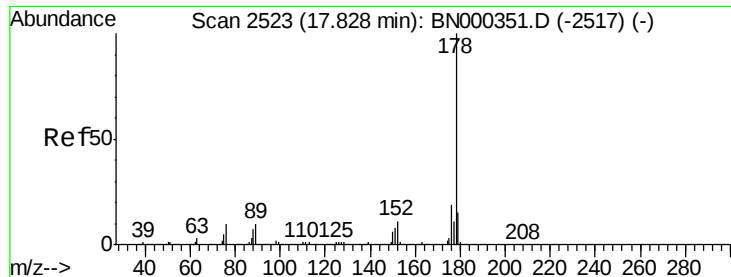


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.317 ng/ul

RT: 17.83 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BN000363.D

Acq: 13 Mar 2018 23:19

Instrument :

BNA_N

ClientSampleId :

SSTD02001

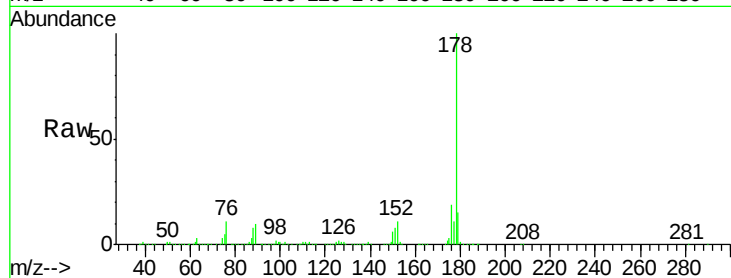
Tot Ion:178 Resp: 1429858

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

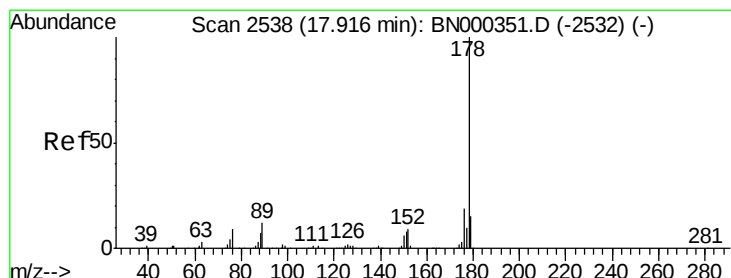
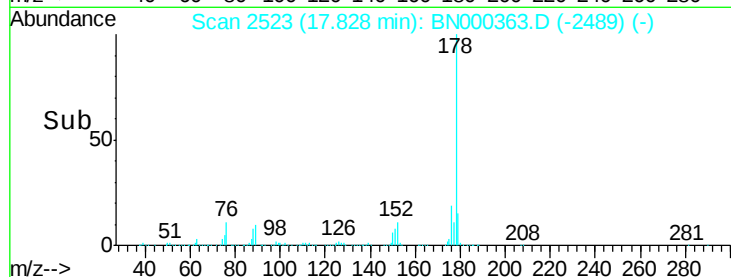
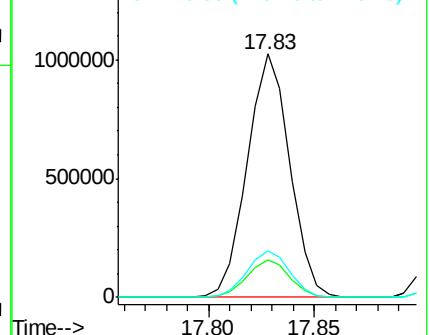
176 19.0 15.1 22.7



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: 20.767 ng/ul

RT: 17.92 min Scan# 2538

Delta R.T. -0.00 min

Lab File: BN000363.D

Acq: 13 Mar 2018 23:19

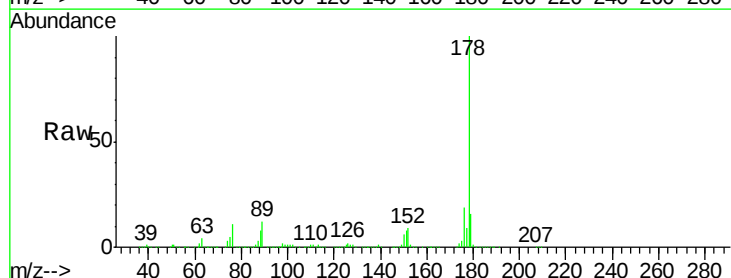
Tgt Ion:178 Resp: 1482947

Ion Ratio Lower Upper

178 100

179 15.6 11.8 17.8

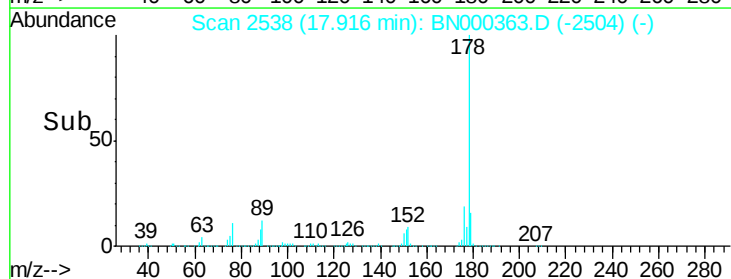
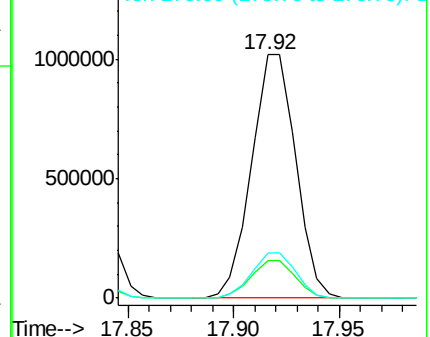
176 18.6 15.2 22.8

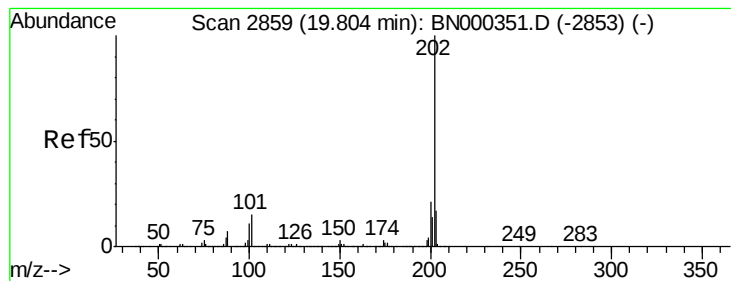


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 22.467 ng/ul

RT: 19.80 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BN000363.D

Acq: 13 Mar 2018 23:19

Instrument :

BNA_N

ClientSampleId :

SSTD02001

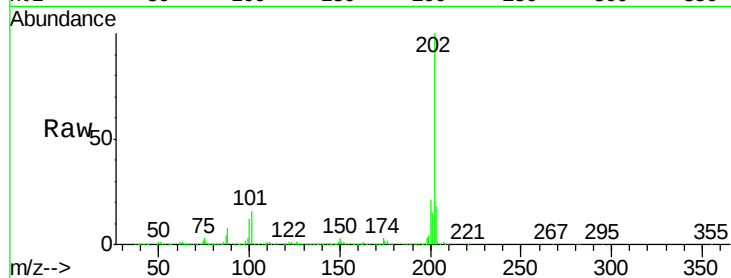
Tot Ion:202 Resp: 1708372

Ion Ratio Lower Upper

202 100

101 15.5 9.9 14.9#

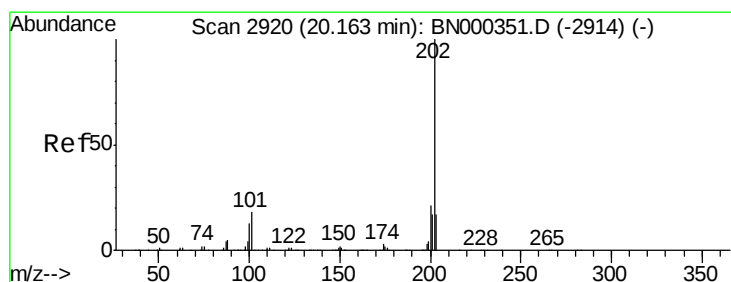
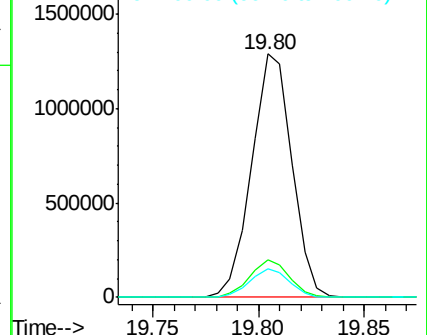
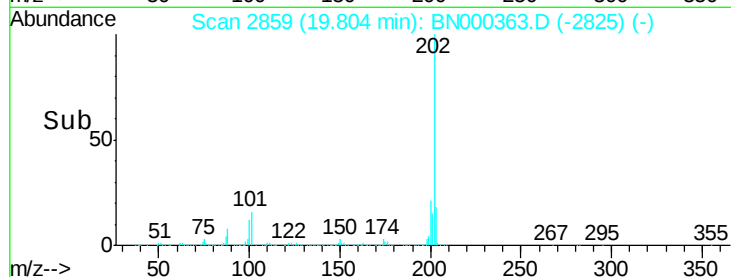
100 11.8 7.4 11.0#



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: 22.182 ng/ul

RT: 20.17 min Scan# 2921

Delta R.T. 0.01 min

Lab File: BN000363.D

Acq: 13 Mar 2018 23:19

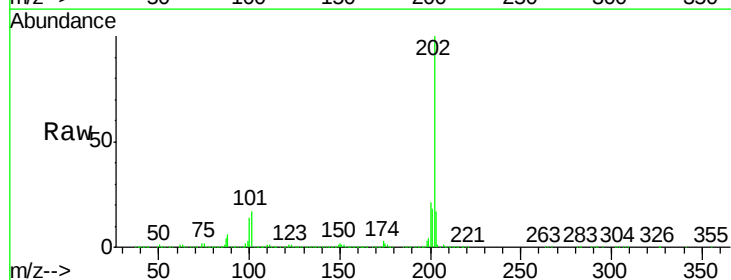
Tgt Ion:202 Resp: 1724157

Ion Ratio Lower Upper

202 100

101 16.9 11.0 16.4#

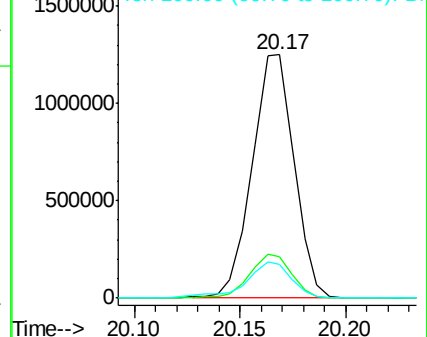
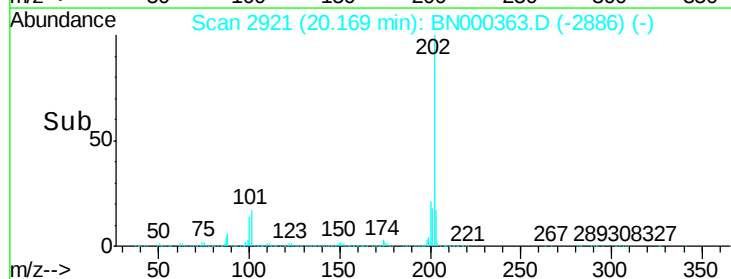
100 14.0 8.1 12.1#

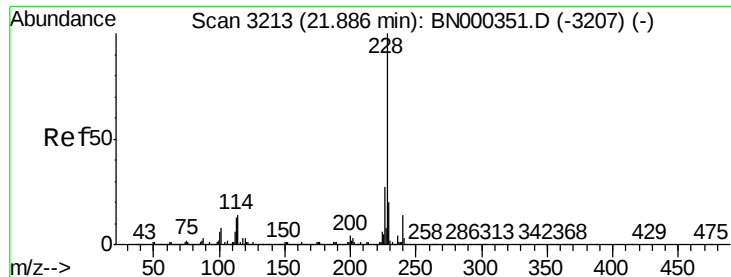


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 21.098 ng/ul

RT: 21.89 min Scan# 3213

Delta R.T. -0.00 min

Lab File: BN000363.D

Acq: 13 Mar 2018 23:19

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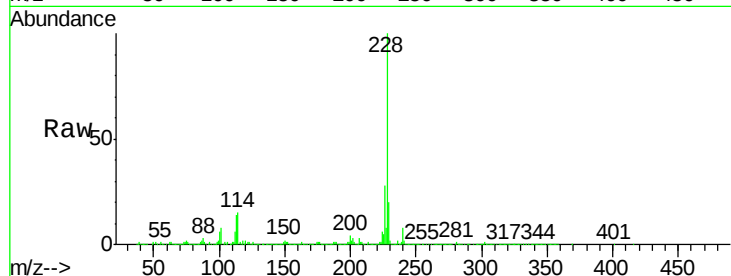
Tot Ion:228 Resp: 1614760

Ion Ratio Lower Upper

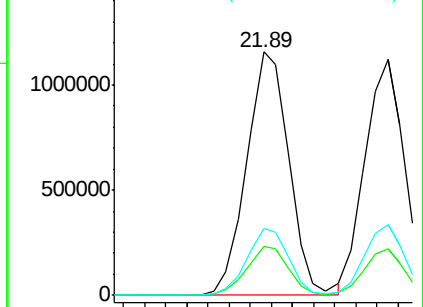
228 100

229 19.9 15.7 23.5

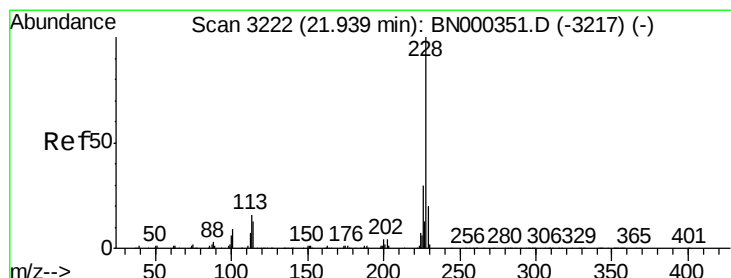
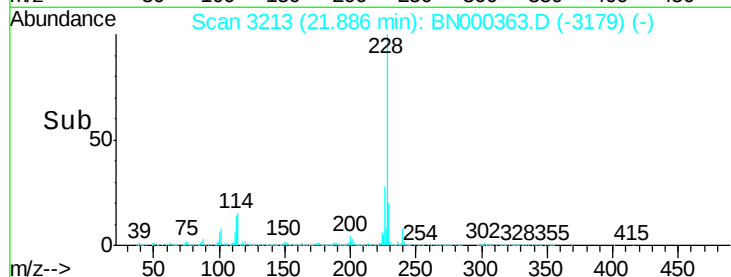
226 27.6 21.1 31.7



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



Time-->



#21

Chrysene

Concen: 20.262 ng/ul

RT: 21.95 min Scan# 3223

Delta R.T. 0.01 min

Lab File: BN000363.D

Acq: 13 Mar 2018 23:19

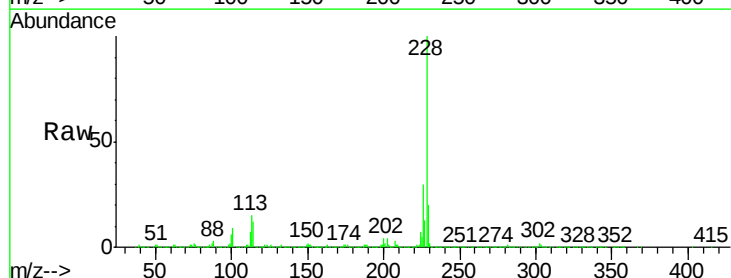
Tgt Ion:228 Resp: 1471693

Ion Ratio Lower Upper

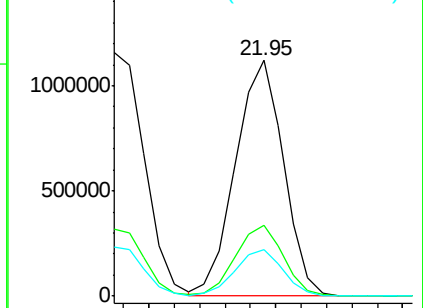
228 100

226 30.3 24.5 36.7

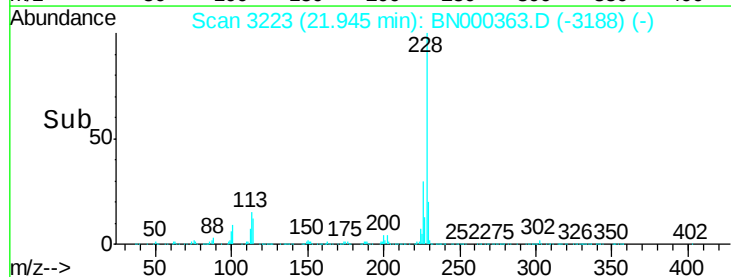
229 19.6 15.8 23.8

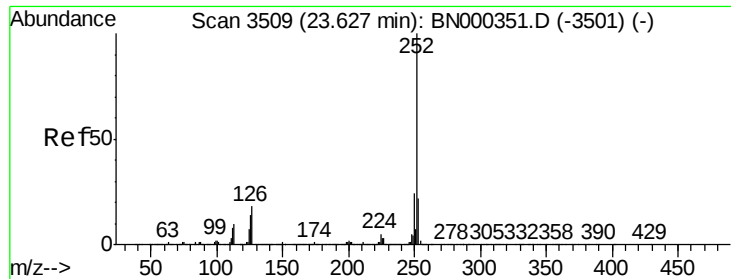


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





#23

Benzo(b)fluoranthene

Concen: 21.340 ng/ul

RT: 23.63 min Scan# 3510

Delta R.T. 0.01 min

Lab File: BN000363.D

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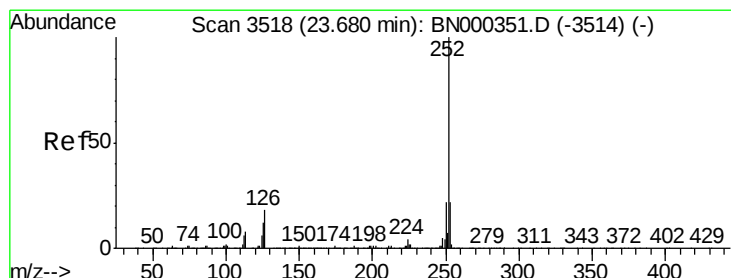
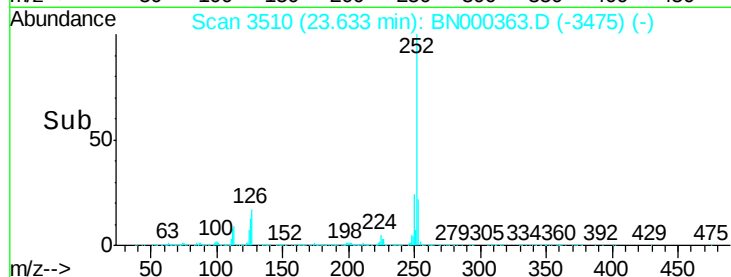
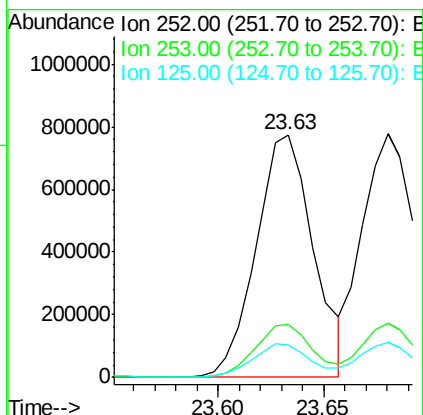
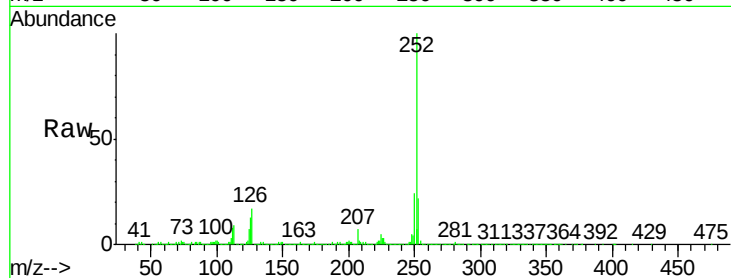
Tot Ion:252 Resp: 1452260

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

125 13.5 8.0 12.0#



#24

Benzo(k)fluoranthene

Concen: 22.370 ng/ul

RT: 23.68 min Scan# 3518

Delta R.T. -0.00 min

Lab File: BN000363.D

Acq: 13 Mar 2018 23:19

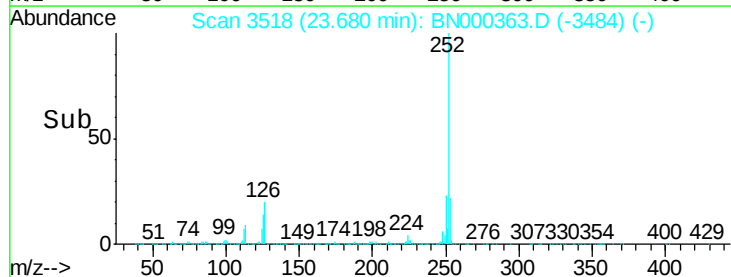
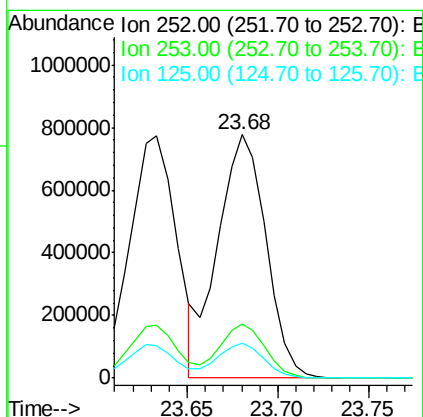
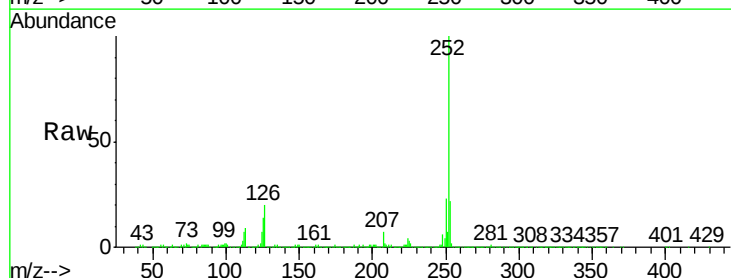
Tgt Ion:252 Resp: 1424964

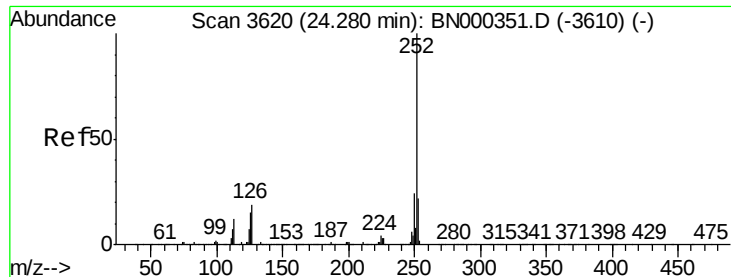
Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

125 14.2 8.1 12.1#





#26

Benzo(a)pyrene

Concen: 20.750 ng/ul

RT: 24.28 min Scan# 3620

Delta R.T. -0.00 min

Lab File: BN000363.D

Acq: 13 Mar 2018 23:19

Instrument :

BNA_N

ClientSampleId :

SSTD02001

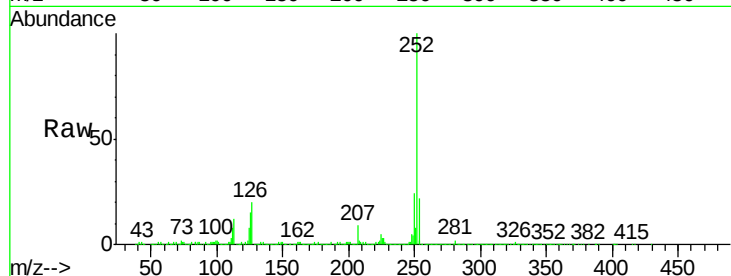
Tot Ion:252 Resp: 1343910

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

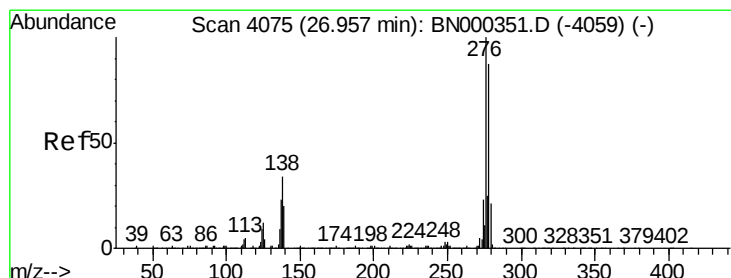
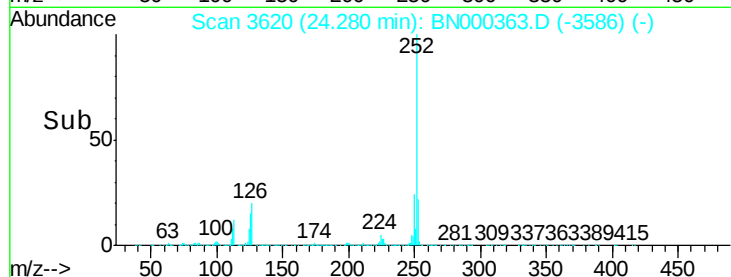
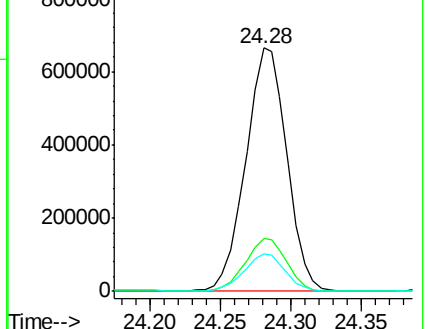
125 15.4 8.2 12.4#



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: 21.332 ng/ul

RT: 26.96 min Scan# 4076

Delta R.T. 0.01 min

Lab File: BN000363.D

Acq: 13 Mar 2018 23:19

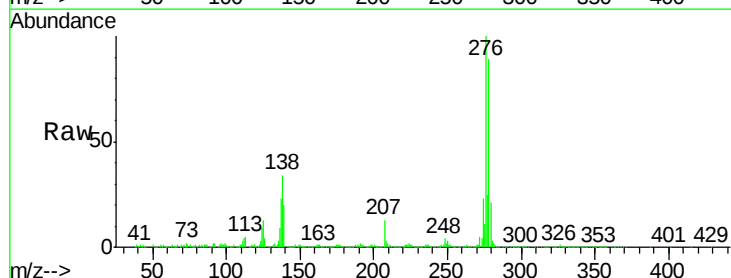
Tgt Ion:276 Resp: 1489709

Ion Ratio Lower Upper

276 100

138 34.1 14.4 21.6#

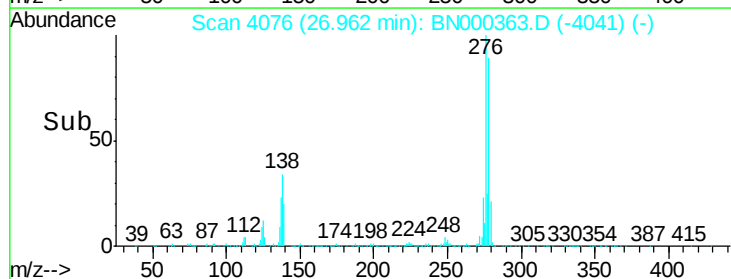
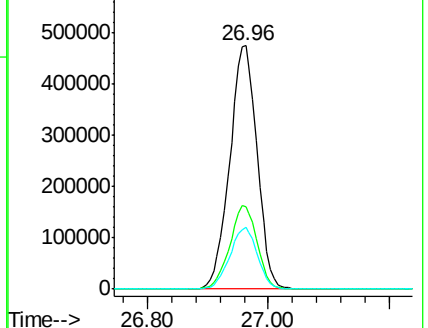
277 25.3 18.0 27.0

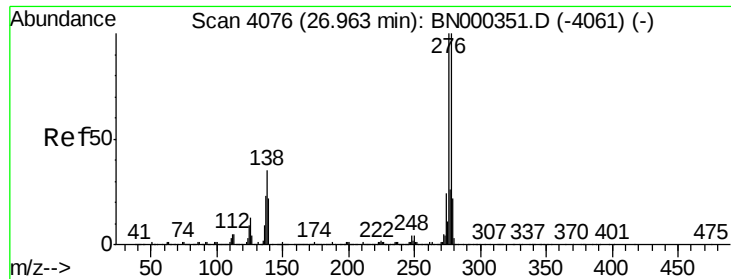


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 21.714 ng/ul

RT: 26.97 min Scan# 4077

Delta R.T. 0.01 min

Lab File: BN000363.D

Acq: 13 Mar 2018 23:19

Instrument :

BNA_N

ClientSampled :

SSTD02001

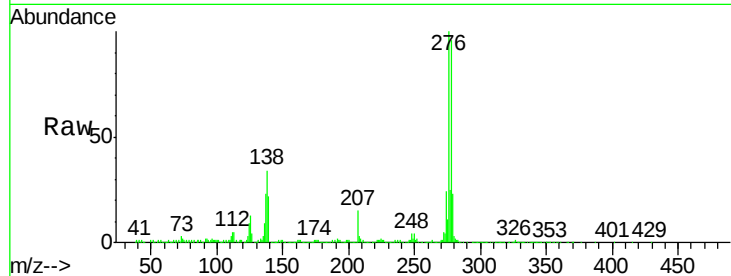
Tot Ion:278 Resp: 1242952

Ion Ratio Lower Upper

278 100

139 22.3 12.2 18.4#

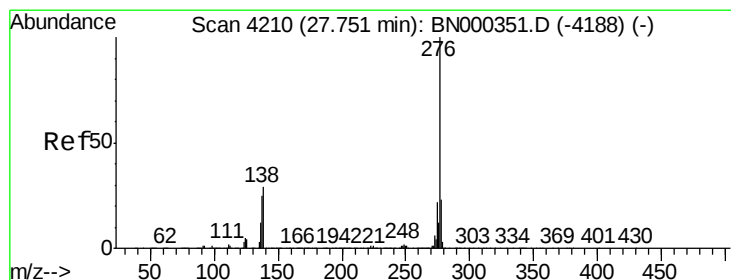
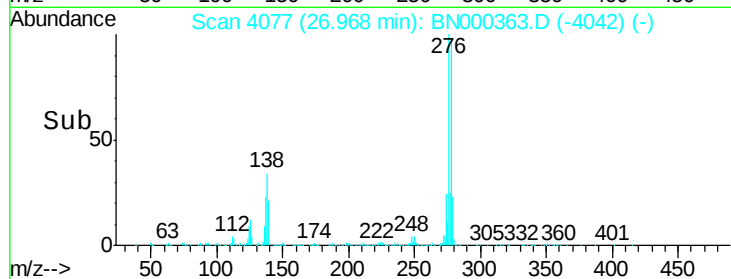
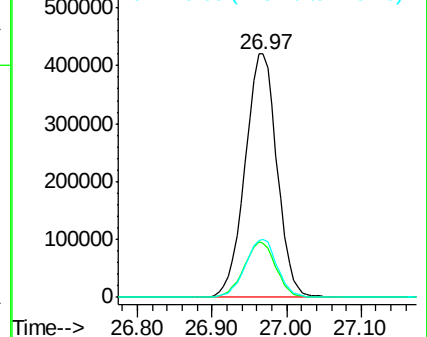
279 23.9 19.2 28.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#29

Benzo(g,h,i)perylene

Concen: 21.127 ng/ul

RT: 27.76 min Scan# 4211

Delta R.T. 0.01 min

Lab File: BN000363.D

Acq: 13 Mar 2018 23:19

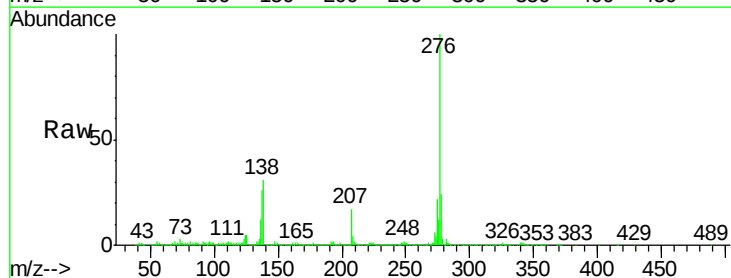
Tgt Ion:276 Resp: 1231933

Ion Ratio Lower Upper

276 100

138 30.7 15.3 22.9#

277 23.7 19.0 28.4



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

