

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031318\
 Data File : BN000338.D
 Acq On : 13 Mar 2018 08:55
 Operator : JU/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD02098

Quant Time: Mar 14 05:35:49 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

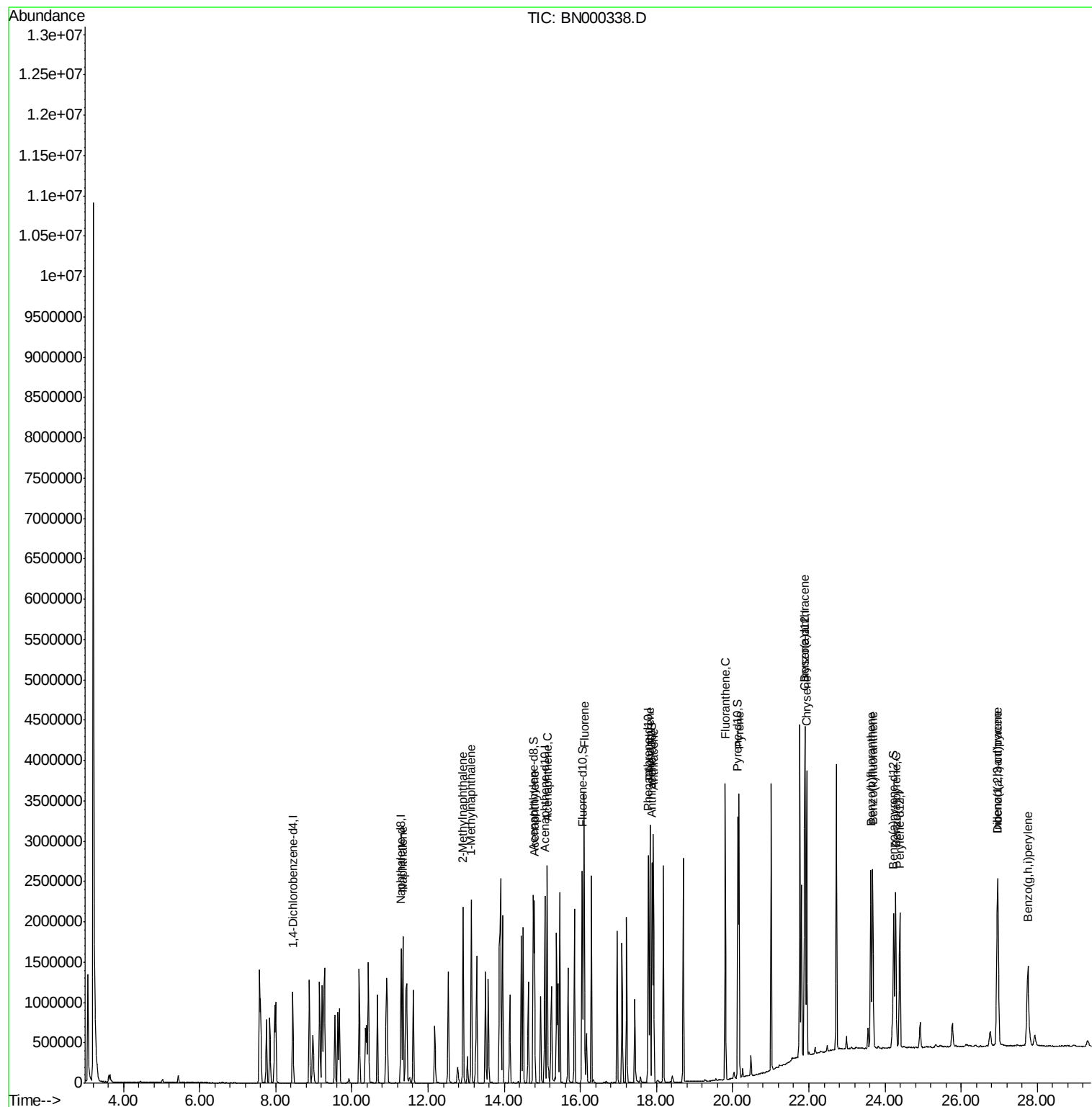
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	307007	20.00	ng/ul	0.00
2) Naphthalene-d8	11.29	136	1404543	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	750694	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.79	188	1520011	20.00	ng/ul	0.00
17) Chrysene-d12	21.90	240	1386524	20.00	ng/ul	0.01
22) Perylene-d12	24.39	264	1181682	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	14.76	160	1586239	21.29	ng/ul	0.00
10) Fluorene-d10	16.05	176	1017325	20.16	ng/ul	0.00
14) Anthracene-d10	17.88	188	1476144	20.79	ng/ul	0.00
18) Pyrene-d10	20.13	212	1540233	22.71	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.23	264	1141191	21.15	ng/ul	0.02
Target Compounds				Ovalue		
3) Naphthalene	11.34	128	1509240	20.362	ng/ul	100
4) 2-Methylnaphthalene	12.92	142	1024608	19.638	ng/ul	97
5) 1-Methylnaphthalene	13.13	142	1018617	19.454	ng/ul#	92
8) Acenaphthylene	14.79	152	1554192	20.758	ng/ul	99
9) Acenaphthene	15.13	153	1055972	20.264	ng/ul	96
11) Fluorene	16.10	166	1149877	20.007	ng/ul	94
13) Phenanthrene	17.83	178	1766851	20.269	ng/ul	99
15) Anthracene	17.92	178	1826058	20.645	ng/ul	99
16) Fluoranthene	19.80	202	1961749	20.829	ng/ul#	92
19) Pyrene	20.16	202	1988843	22.720	ng/ul#	88
20) Benzo(a)anthracene	21.89	228	1776330	20.608	ng/ul	99
21) Chrysene	21.95	228	1666504	20.373	ng/ul	99
23) Benzo(b)fluoranthene	23.63	252	1560573	22.147	ng/ul#	96
24) Benzo(k)fluoranthene	23.68	252	1417346	21.488	ng/ul#	96
26) Benzo(a)pyrene	24.28	252	1389476	20.719	ng/ul#	96
27) Indeno(1,2,3-cd)pyrene	26.96	276	1457876	20.162	ng/ul#	81
28) Dibenzo(a,h)anthracene	26.97	278	1233907	20.819	ng/ul#	93
29) Benzo(g,h,i)perylene	27.75	276	1203750	19.938	ng/ul#	89

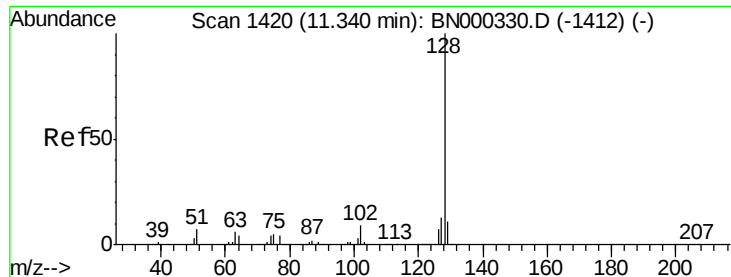
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 20.362 ng/ul

RT: 11.34 min Scan# 1420

Delta R.T. 0.01 min

Lab File: BN000338.D

Acq: 13 Mar 2018 08:55

Instrument :

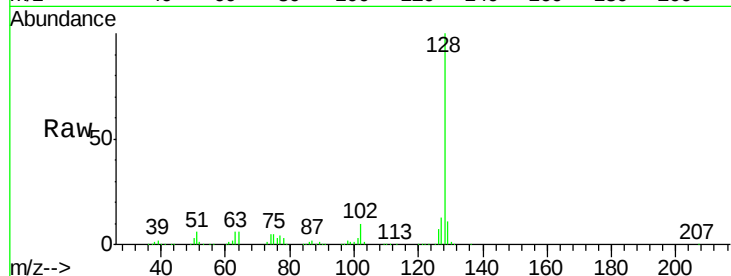
BNA_N

ClientSampleId :

SSTD02098

Tot Ion:128 Resp: 1509240

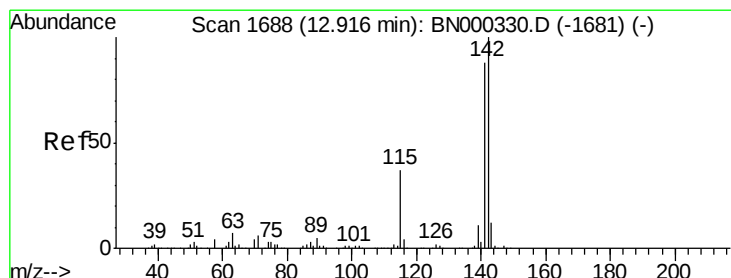
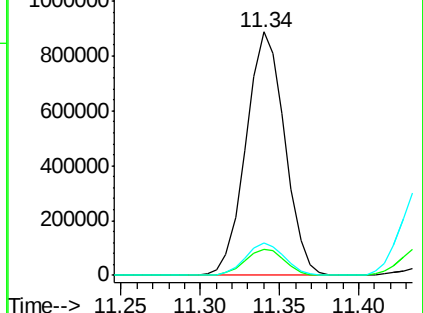
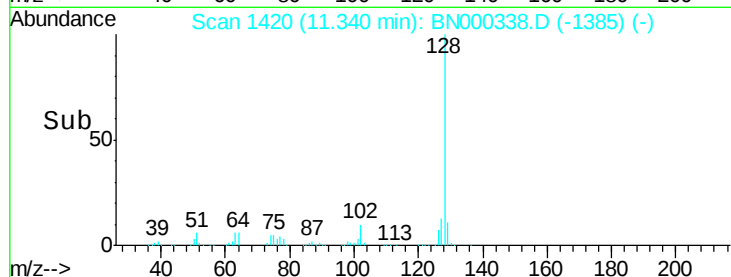
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	13.4	10.6	16.0



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: 19.638 ng/ul

RT: 12.92 min Scan# 1688

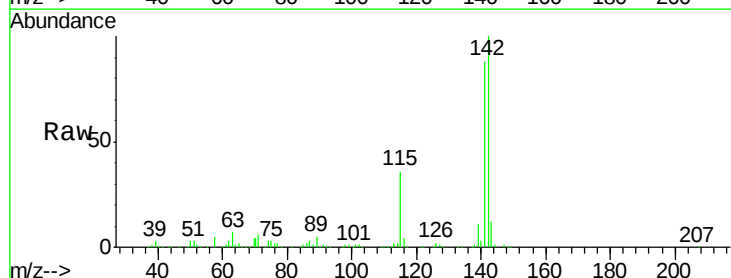
Delta R.T. -0.00 min

Lab File: BN000338.D

Acq: 13 Mar 2018 08:55

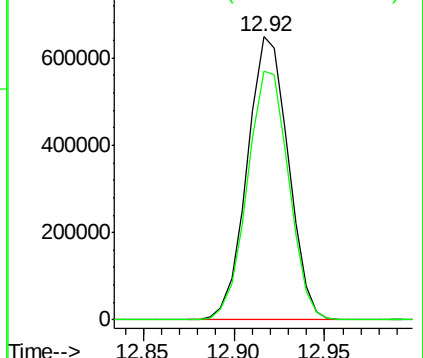
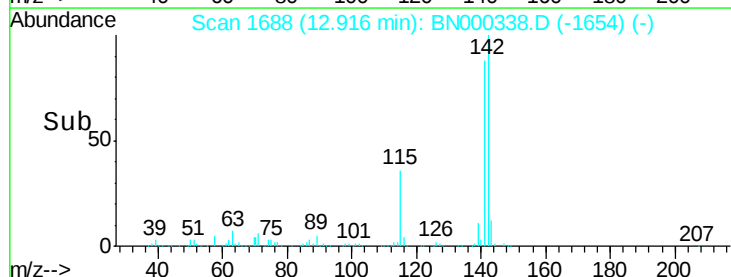
Tgt Ion:142 Resp: 1024608

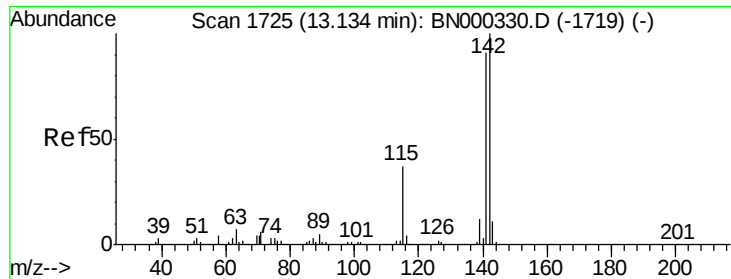
Ion	Ratio	Lower	Upper
142	100		
141	88.1	72.7	109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 19.454 ng/ul

RT: 13.13 min Scan# 1725

Delta R.T. 0.01 min

Lab File: BN000338.D

Acq: 13 Mar 2018 08:55

Instrument :

BNA_N

ClientSampleId :

SSTD02098

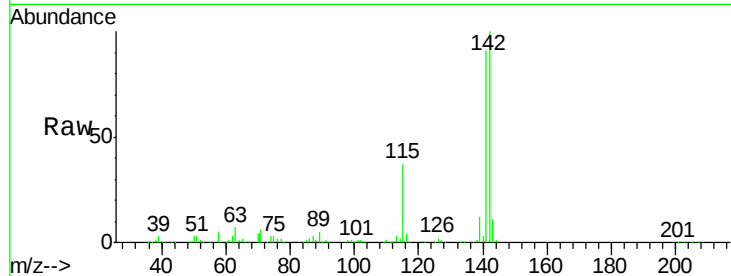
Tot Ion:142 Resp: 1018617

Ion Ratio Lower Upper

142 100

141 90.6 79.3 118.9

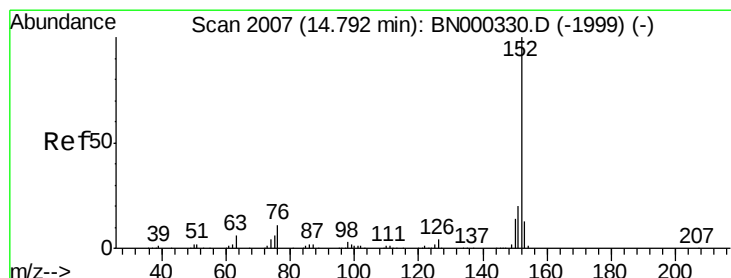
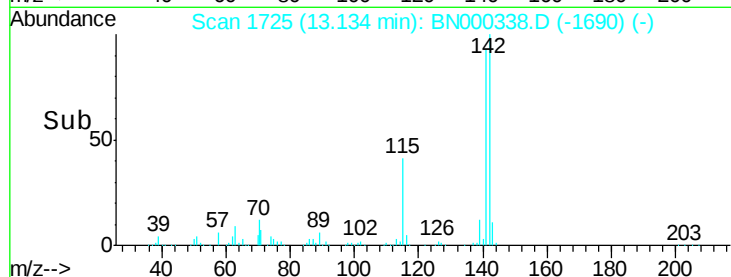
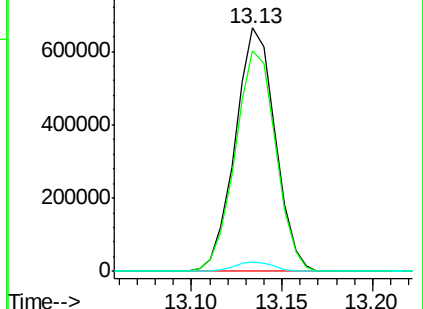
116 4.0 4.2 6.2#



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: 20.758 ng/ul

RT: 14.79 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BN000338.D

Acq: 13 Mar 2018 08:55

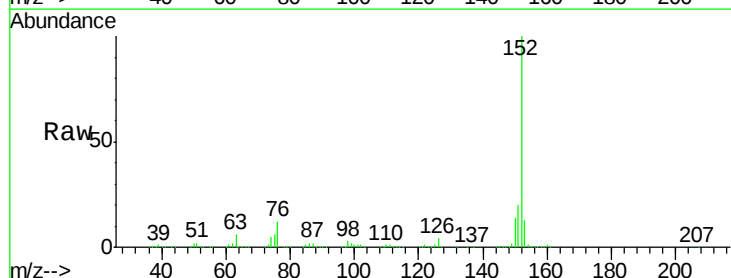
Tgt Ion:152 Resp: 1554192

Ion Ratio Lower Upper

152 100

151 20.1 16.7 25.1

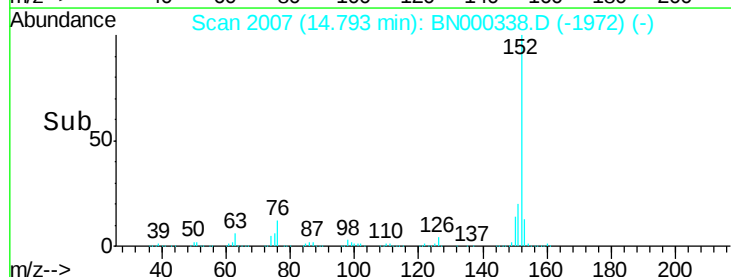
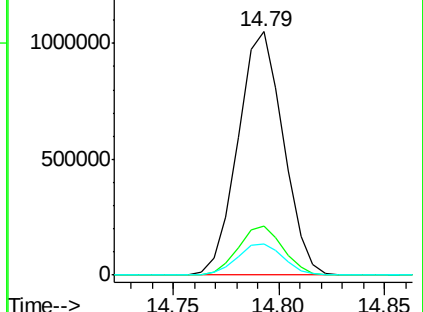
153 12.9 10.2 15.4

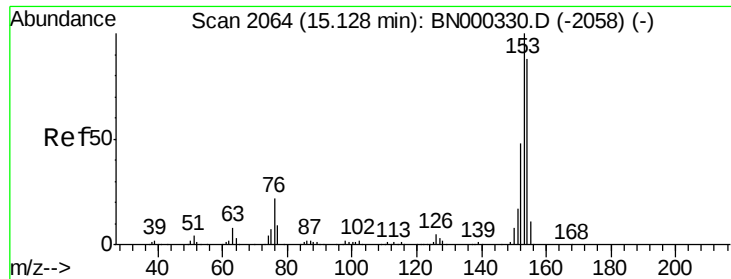


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 20.264 ng/ul

RT: 15.13 min Scan# 2064

Delta R.T. 0.01 min

Lab File: BN000338.D

Acq: 13 Mar 2018 08:55

Instrument :

BNA_N

ClientSampleId :

SSTD02098

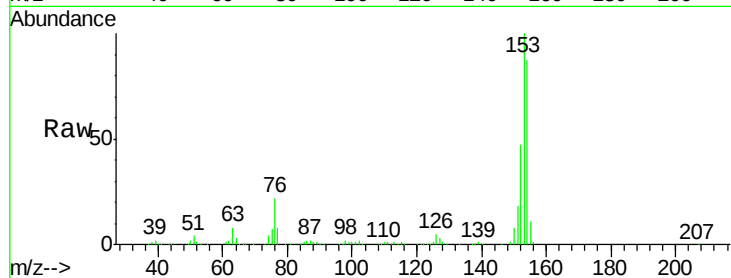
Tot Ion:153 Resp: 1055972

Ion Ratio Lower Upper

153 100

152 47.0 39.0 58.6

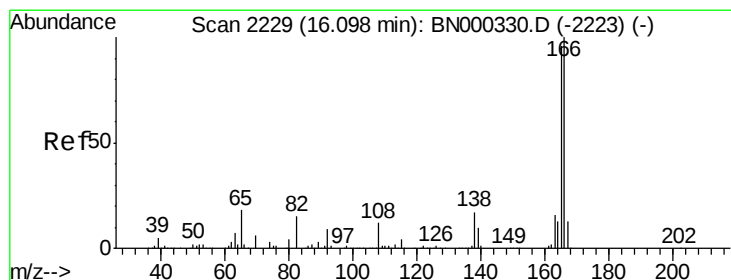
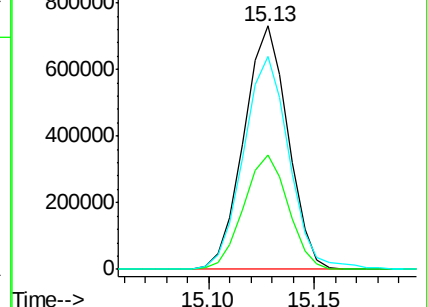
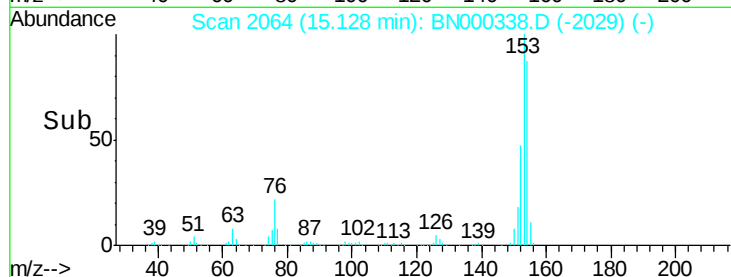
154 87.5 66.8 100.2



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: 20.007 ng/ul

RT: 16.10 min Scan# 2229

Delta R.T. 0.01 min

Lab File: BN000338.D

Acq: 13 Mar 2018 08:55

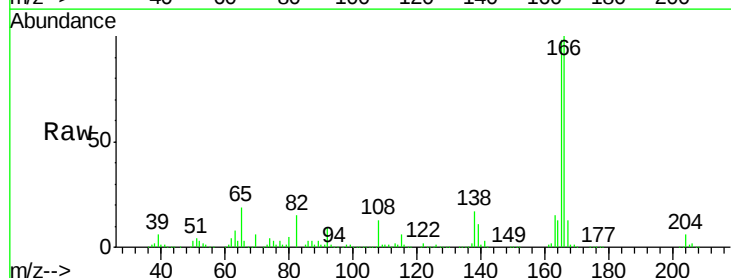
Tgt Ion:166 Resp: 1149877

Ion Ratio Lower Upper

166 100

165 97.7 83.8 125.8

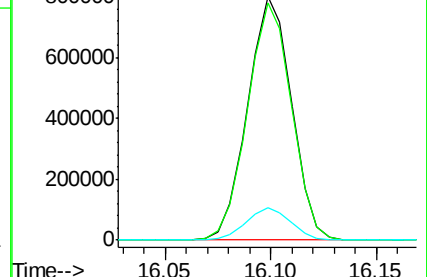
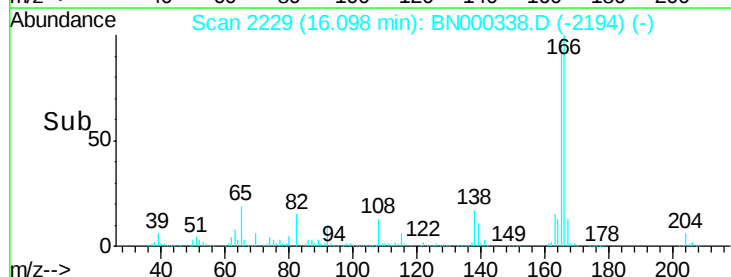
167 13.4 11.5 17.3

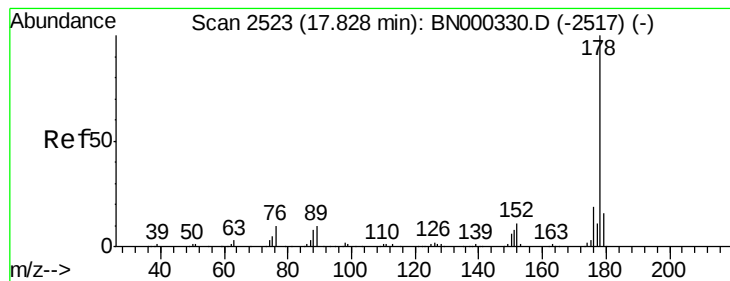


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 20.269 ng/ul

RT: 17.83 min Scan# 2523

Delta R.T. 0.01 min

Lab File: BN000338.D

Acq: 13 Mar 2018 08:55

Instrument :

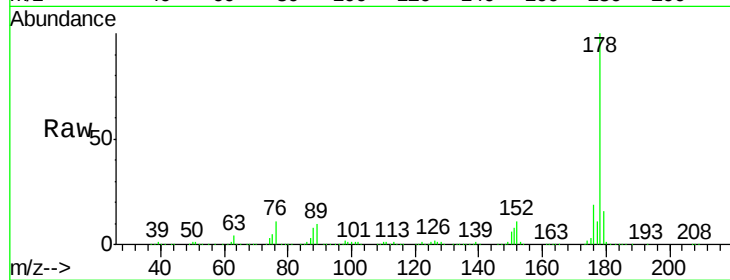
BNA_N

ClientSampleId :

SSTD02098

Tot Ion:178 Resp: 1766851

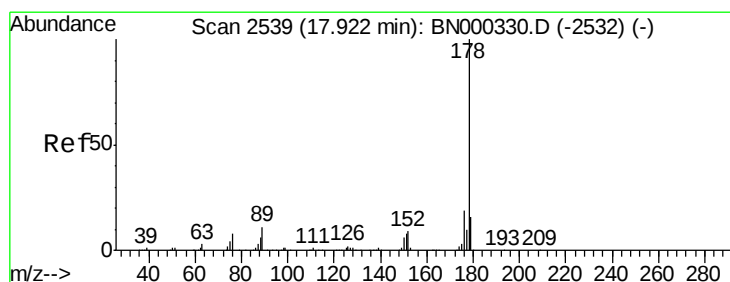
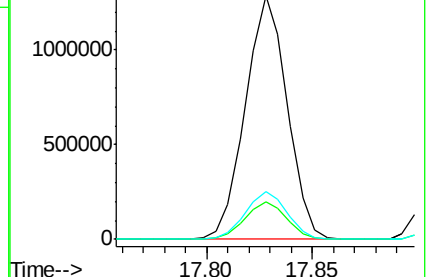
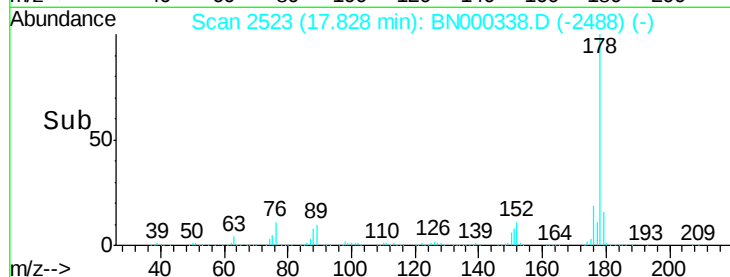
Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	19.4	15.1	22.7



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: 20.645 ng/ul

RT: 17.92 min Scan# 2538

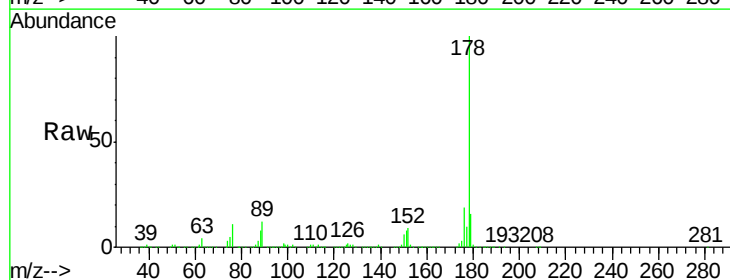
Delta R.T. 0.01 min

Lab File: BN000338.D

Acq: 13 Mar 2018 08:55

Tgt Ion:178 Resp: 1826058

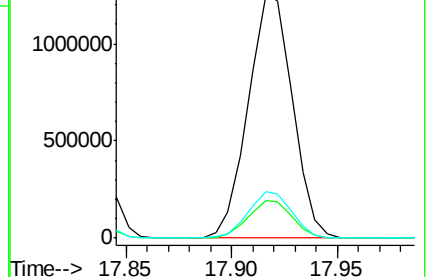
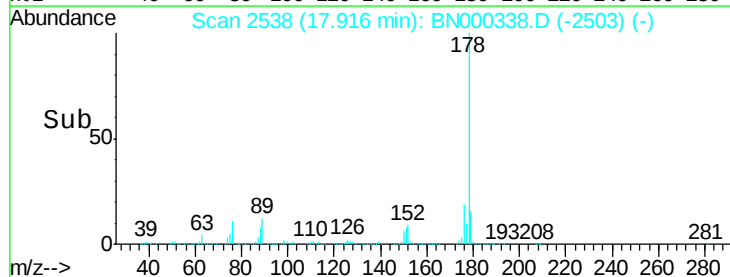
Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.8	17.8
176	18.9	15.2	22.8

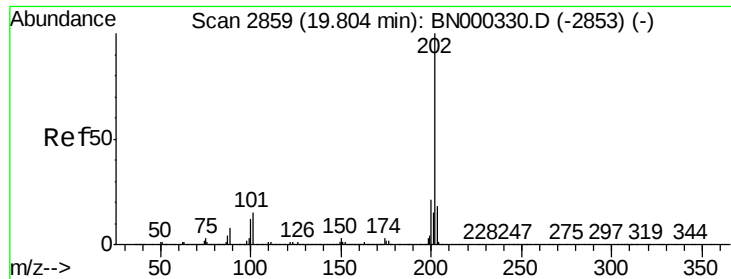


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 20.829 ng/ul

RT: 19.80 min Scan# 2859

Delta R.T. 0.01 min

Lab File: BN000338.D

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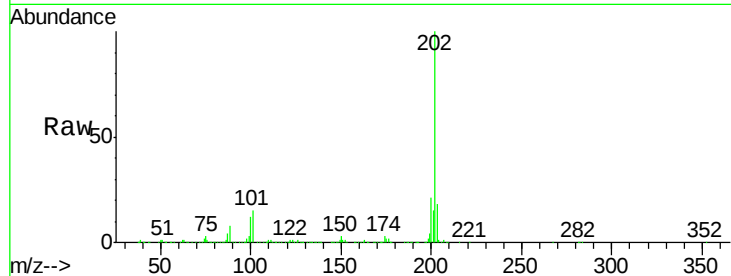
Tot Ion:202 Resp: 1961749

Ion Ratio Lower Upper

202 100

101 15.5 9.9 14.9#

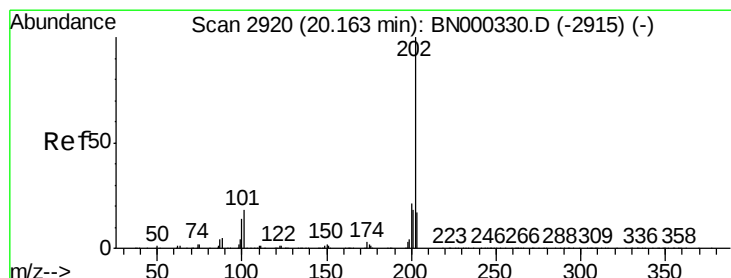
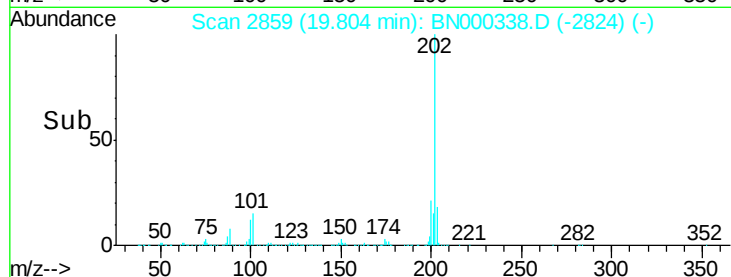
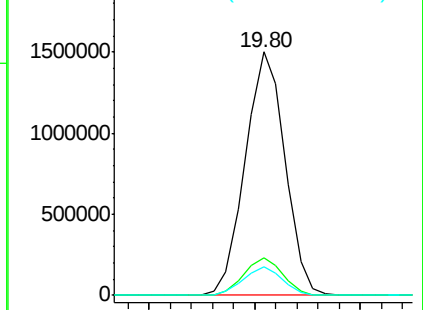
100 11.9 7.4 11.0#



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: 22.720 ng/ul

RT: 20.16 min Scan# 2920

Delta R.T. 0.01 min

Lab File: BN000338.D

Acq: 13 Mar 2018 08:55

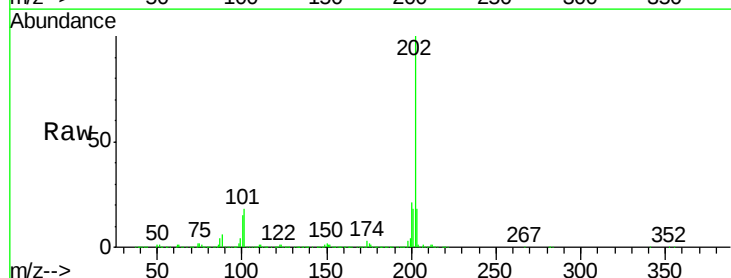
Tgt Ion:202 Resp: 1988843

Ion Ratio Lower Upper

202 100

101 18.3 11.0 16.4#

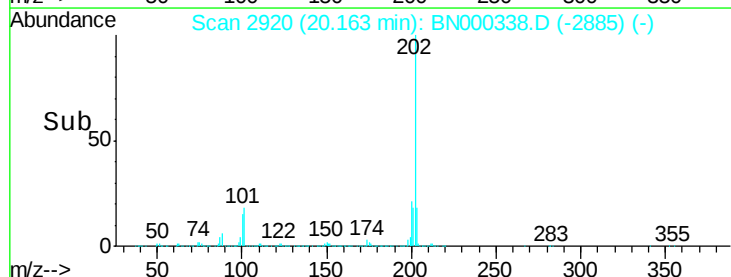
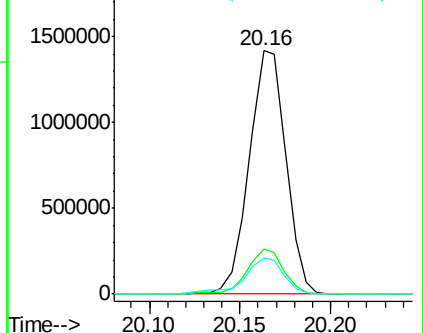
100 15.1 8.1 12.1#

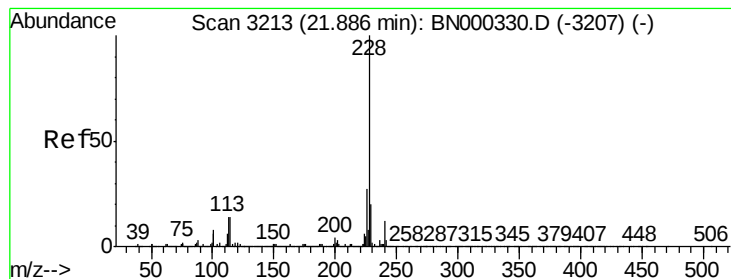


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 20.608 ng/ul

RT: 21.89 min Scan# 3213

Delta R.T. 0.01 min

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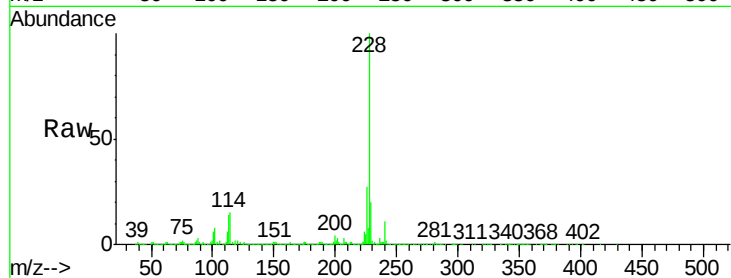
Tot Ion:228 Resp: 1776330

Ion Ratio Lower Upper

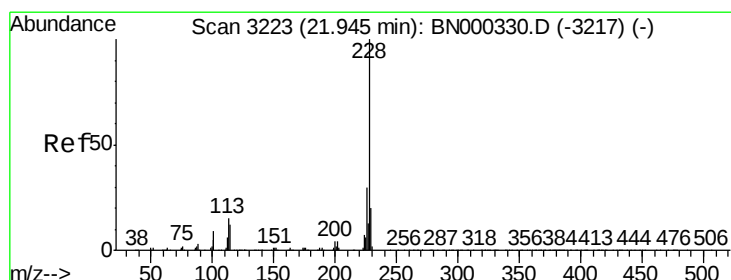
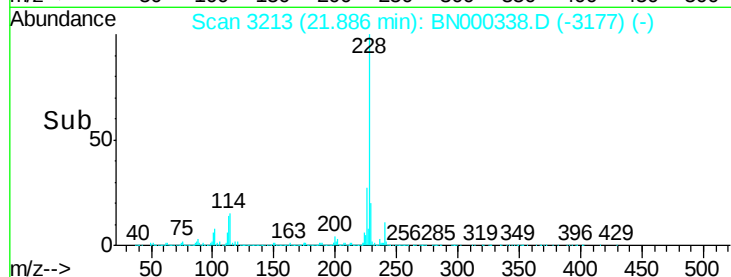
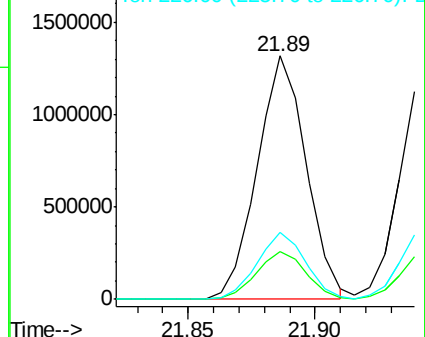
228 100

229 19.9 15.7 23.5

226 27.5 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: 20.373 ng/ul

RT: 21.95 min Scan# 3223

Delta R.T. 0.01 min

Lab File: BN000338.D

Acq: 13 Mar 2018 08:55

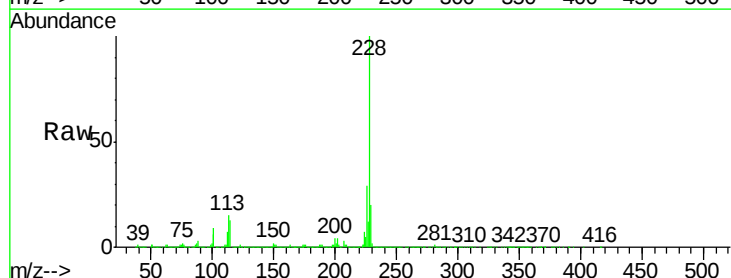
Tgt Ion:228 Resp: 1666504

Ion Ratio Lower Upper

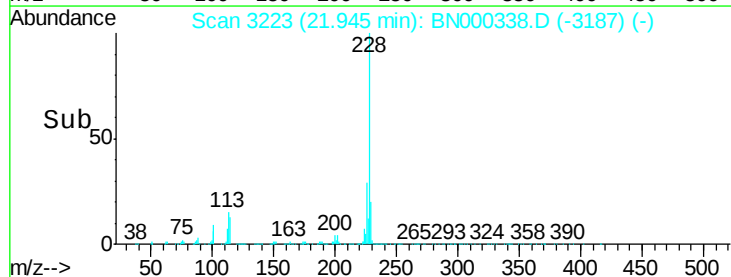
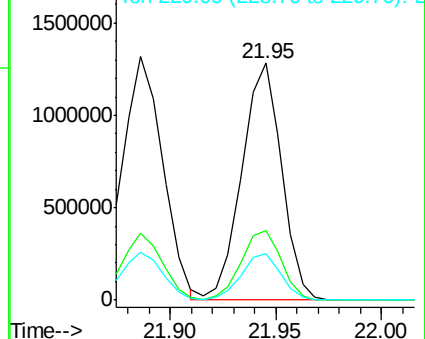
228 100

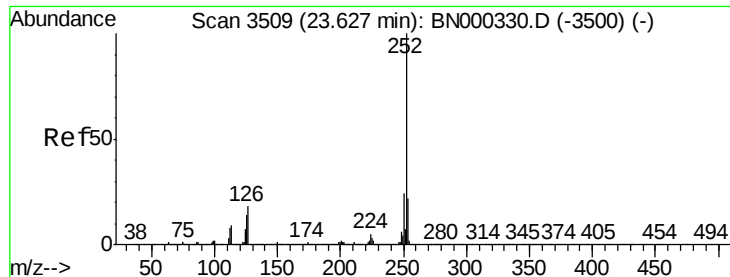
226 29.5 24.5 36.7

229 19.7 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: 22.147 ng/ul

RT: 23.63 min Scan# 3509

Delta R.T. 0.01 min

Lab File: BN000338.D

Acq: 13 Mar 2018 08:55

Instrument :

BNA_N

ClientSampled :

SSTD02098

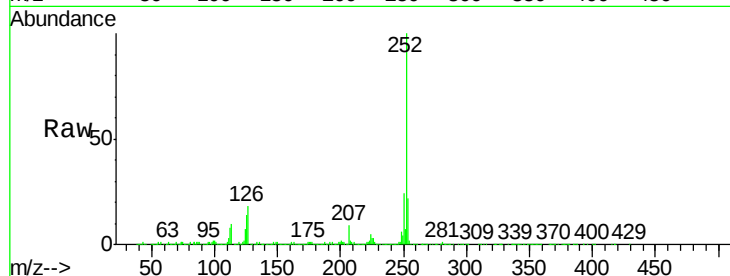
Tot Ion:252 Resp: 1560573

Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

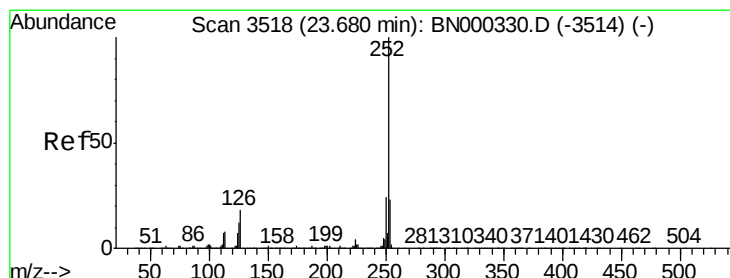
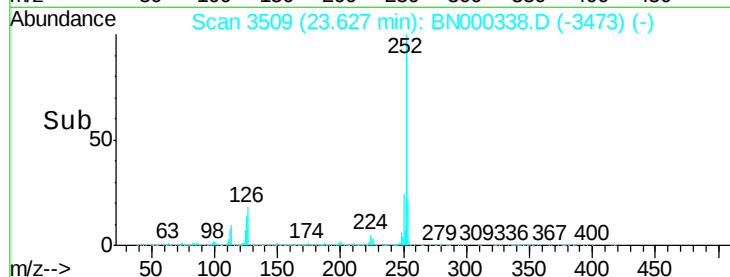
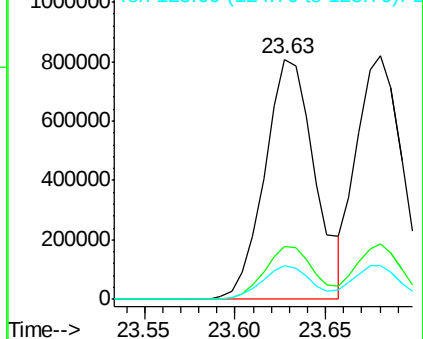
125 14.0 8.0 12.0#



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: 21.488 ng/ul

RT: 23.68 min Scan# 3518

Delta R.T. 0.02 min

Lab File: BN000338.D

Acq: 13 Mar 2018 08:55

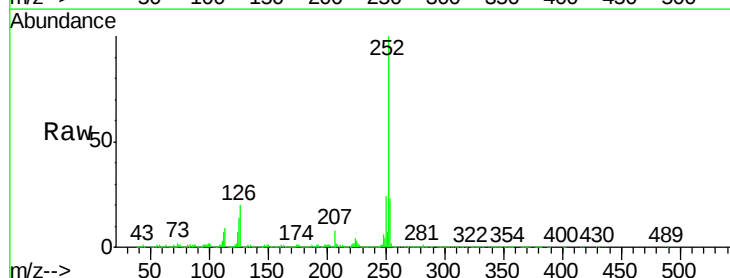
Tgt Ion:252 Resp: 1417346

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

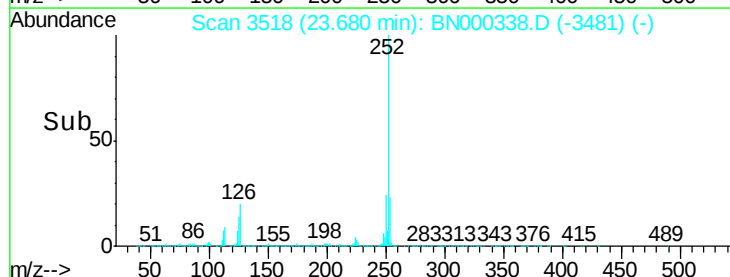
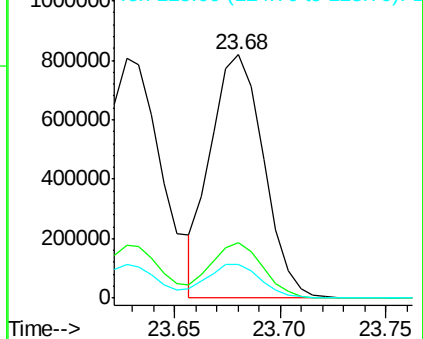
125 14.1 8.1 12.1#

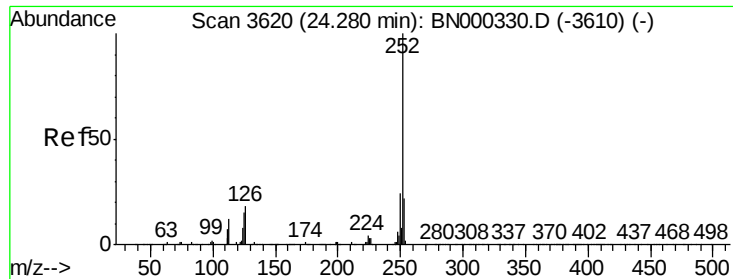


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 20.719 ng/ul

RT: 24.28 min Scan# 3620

Delta R.T. 0.02 min

Lab File: BN000338.D

Acq: 13 Mar 2018 08:55

Instrument :

BNA_N

ClientSampleId :

SSTD02098

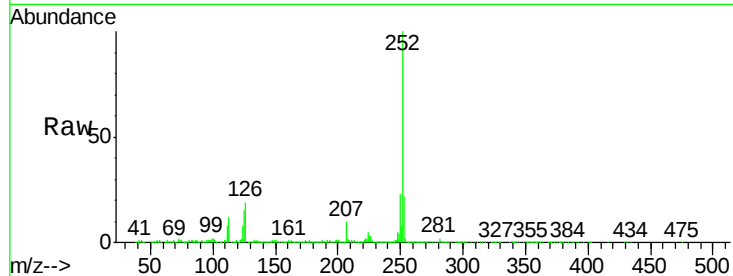
Tot Ion:252 Resp: 1389476

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

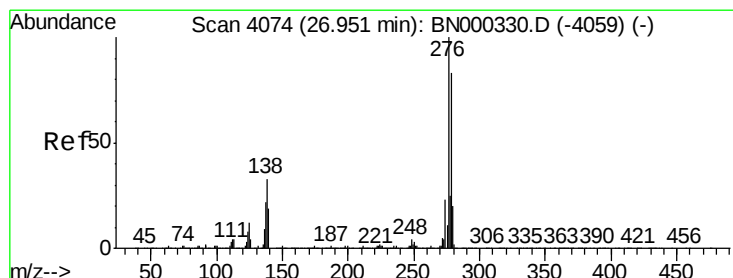
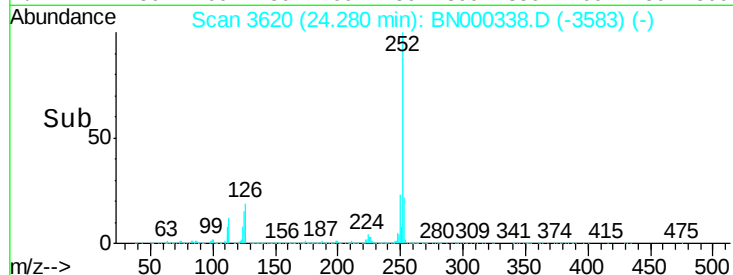
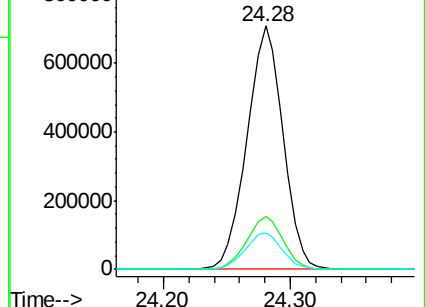
125 14.7 8.2 12.4#



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: 20.162 ng/ul

RT: 26.96 min Scan# 4075

Delta R.T. 0.03 min

Lab File: BN000338.D

Acq: 13 Mar 2018 08:55

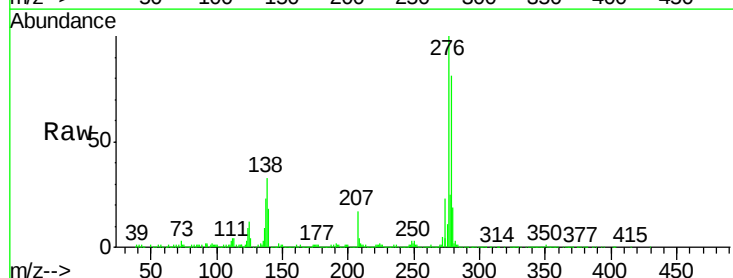
Tgt Ion:276 Resp: 1457876

Ion Ratio Lower Upper

276 100

138 33.4 14.4 21.6#

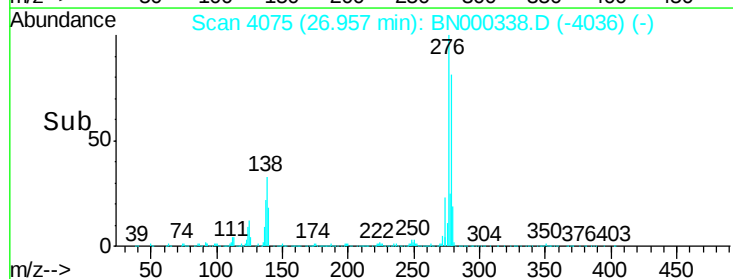
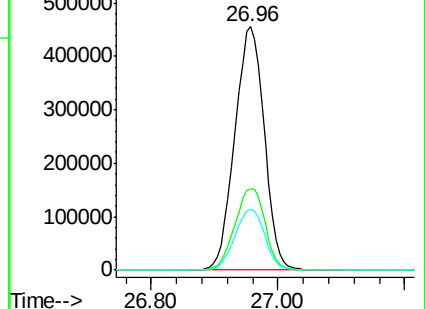
277 25.1 18.0 27.0

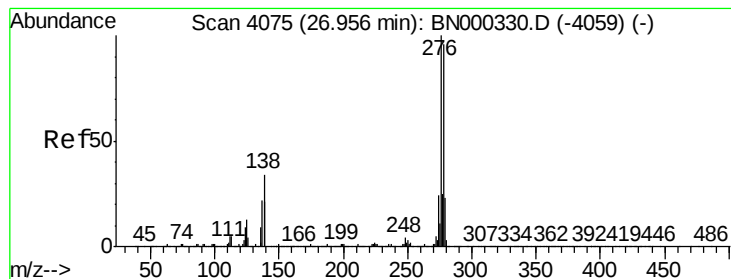


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 20.819 ng/ul

RT: 26.97 min Scan# 4077

Delta R.T. 0.03 min

Lab File: BN000338.D

Acq: 13 Mar 2018 08:55

Instrument :

BNA_N

ClientSampleId :

SSTD02098

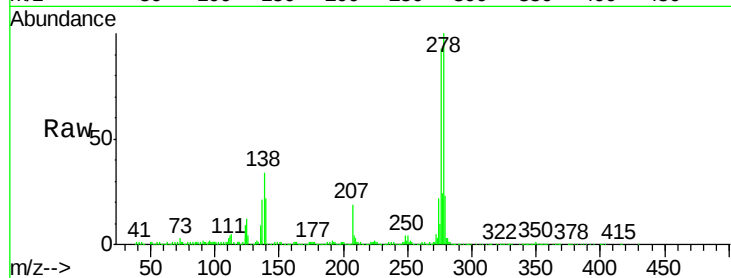
Tot Ion:278 Resp: 1233907

Ion Ratio Lower Upper

278 100

139 22.0 12.2 18.4#

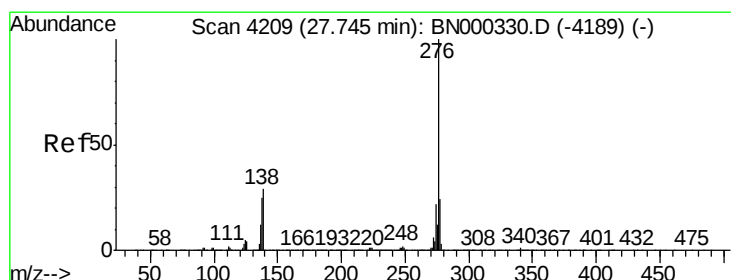
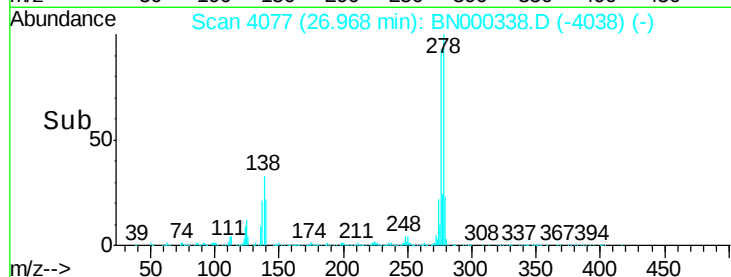
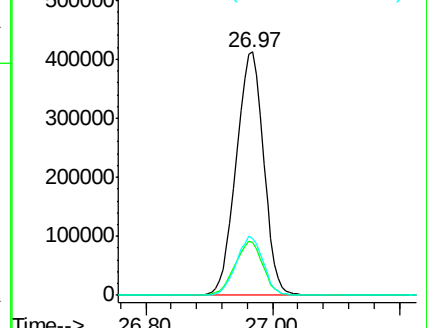
279 23.1 19.2 28.8



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: 19.938 ng/ul

RT: 27.75 min Scan# 4210

Delta R.T. 0.04 min

Lab File: BN000338.D

Acq: 13 Mar 2018 08:55

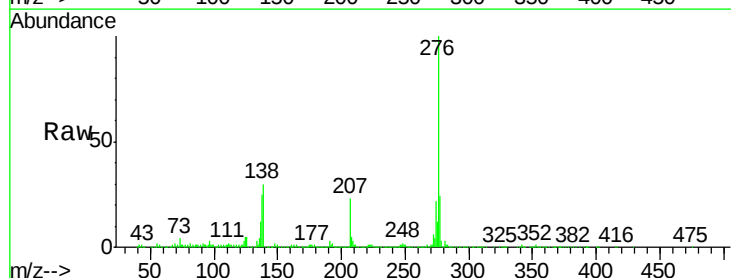
Tgt Ion:276 Resp: 1203750

Ion Ratio Lower Upper

276 100

138 29.5 15.3 22.9#

277 23.9 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

