

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031618\
 Data File : BN000445.D
 Acq On : 16 Mar 2018 18:51
 Operator : JU/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD02010

Quant Time: Mar 16 19:21:19 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 16 15:34:38 2018
 Response via : Initial Calibration

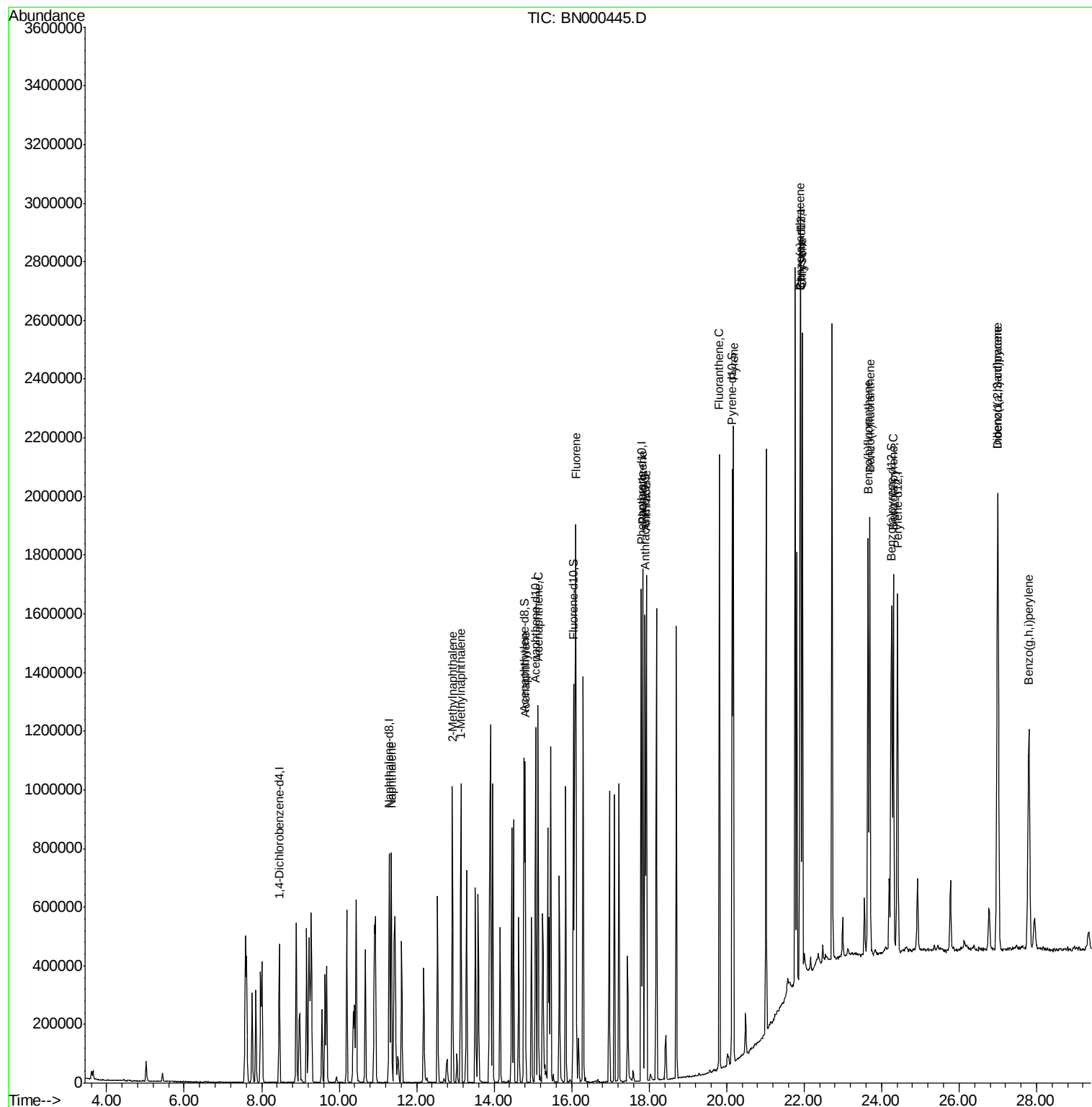
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	127777	20.00	ng/ul	0.00
2) Naphthalene-d8	11.30	136	636587	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.07	164	382040	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.80	188	890810	20.00	ng/ul	0.00
17) Chrysene-d12	21.92	240	881606	20.00	ng/ul	0.01
22) Perylene-d12	24.41	264	851953	20.00	ng/ul	0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	14.77	160	767584	20.24	ng/ul	0.00
10) Fluorene-d10	16.05	176	524255	20.42	ng/ul	0.00
14) Anthracene-d10	17.90	188	837118	20.11	ng/ul	0.00
18) Pyrene-d10	20.15	212	921849	21.37	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.25	264	767305	19.72	ng/ul	0.01
Target Compounds				Ovalue		
3) Naphthalene	11.35	128	654663	19.488	ng/ul	99
4) 2-Methylnaphthalene	12.92	142	462545	19.560	ng/ul	98
5) 1-Methylnaphthalene	13.14	142	464589	19.577	ng/ul#	91
8) Acenaphthylene	14.80	152	758879	19.916	ng/ul	98
9) Acenaphthene	15.14	153	520015	19.608	ng/ul	96
11) Fluorene	16.11	166	593471	20.290	ng/ul	92
13) Phenanthrene	17.84	178	996902	19.514	ng/ul	100
15) Anthracene	17.93	178	1043420	20.129	ng/ul	99
16) Fluoranthene	19.81	202	1180385	21.385	ng/ul#	91
19) Pyrene	20.18	202	1186958	21.325	ng/ul#	90
20) Benzo(a)anthracene	21.90	228	1102310	20.112	ng/ul	99
21) Chrysene	21.95	228	1020994	19.630	ng/ul	99
23) Benzo(b)fluoranthene	23.65	252	1051443	20.697	ng/ul#	96
24) Benzo(k)fluoranthene	23.70	252	945354	19.880	ng/ul#	95
26) Benzo(a)pyrene	24.30	252	959229	19.839	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	27.00	276	1071361	20.551	ng/ul#	79
28) Dibenzo(a,h)anthracene	27.01	278	896723	20.985	ng/ul#	93
29) Benzo(g,h,i)perylene	27.80	276	879712	20.210	ng/ul#	89

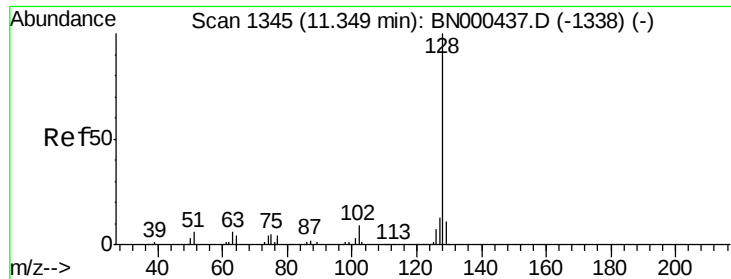
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 19.488 ng/ul

RT: 11.35 min Scan# 1345

Delta R.T. 0.01 min

Lab File: BN000445.D

Acq: 16 Mar 2018 18:51

Instrument :

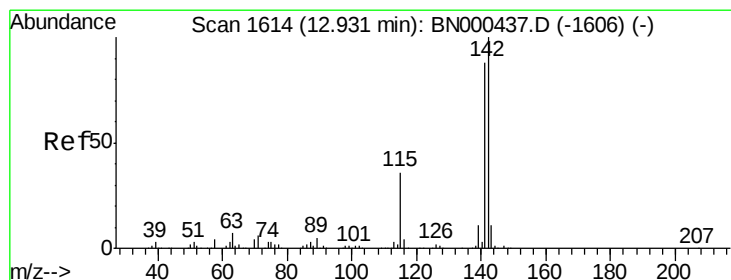
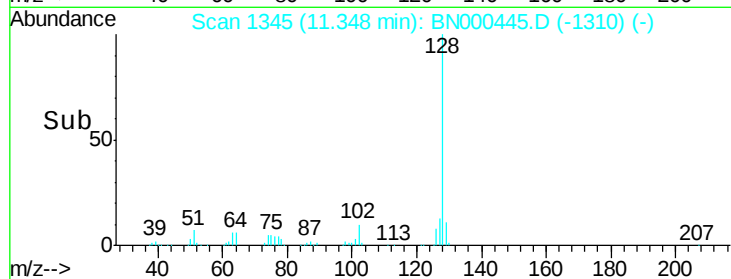
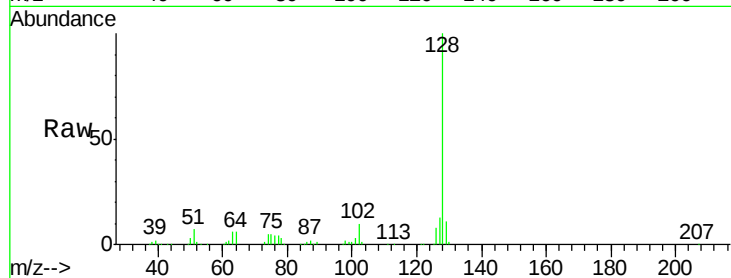
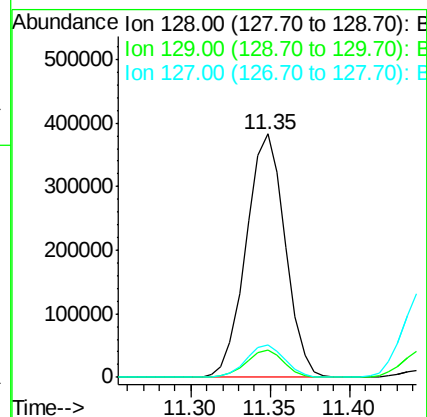
BNA_N

ClientSampleId :

SSTD02010

Tot Ion:128 Resp: 654663

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	13.1	10.6	16.0



#4

2-Methylnaphthalene

Concen: 19.560 ng/ul

RT: 12.92 min Scan# 1613

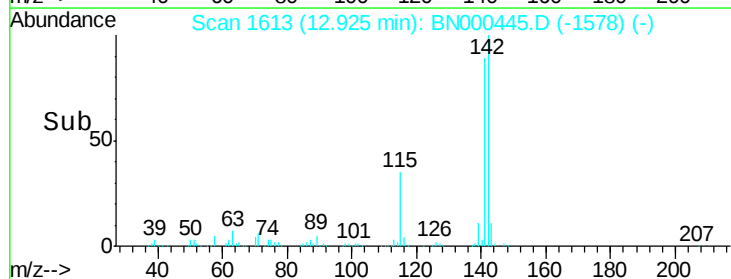
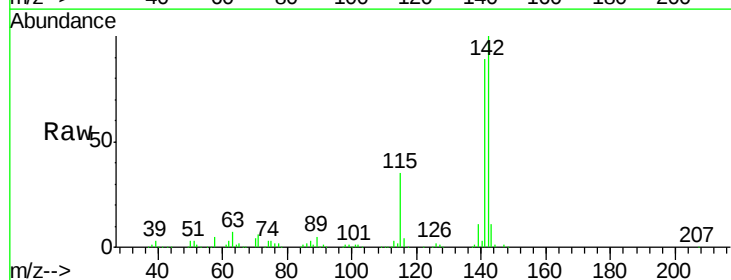
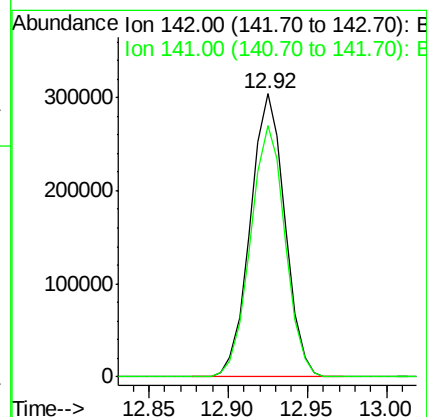
Delta R.T. 0.01 min

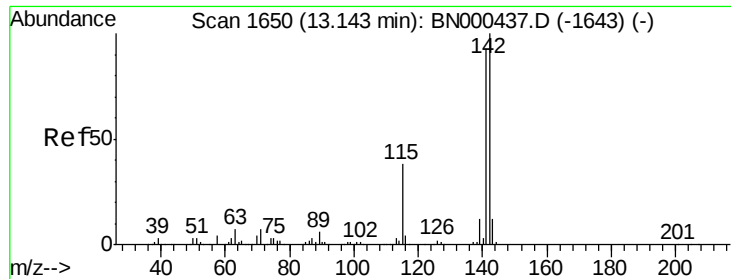
Lab File: BN000445.D

Acq: 16 Mar 2018 18:51

Tgt Ion:142 Resp: 462545

Ion	Ratio	Lower	Upper
142	100		
141	88.6	72.7	109.1





#5

1-Methylnaphthalene

Concen: 19.577 ng/ul

RT: 13.14 min Scan# 1650

Delta R.T. 0.01 min

Lab File: BN000445.D

Acq: 16 Mar 2018 18:51

Instrument :

BNA_N

ClientSampleId :

SSTD02010

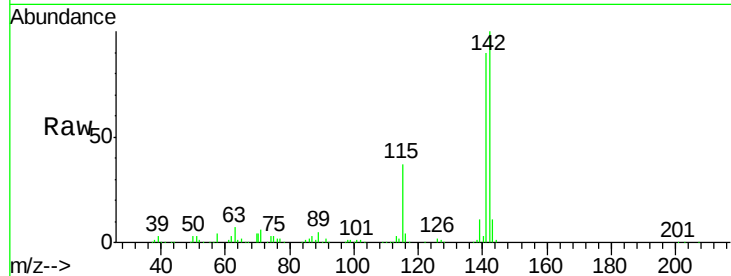
Tot Ion:142 Resp: 464589

Ion Ratio Lower Upper

142 100

141 90.0 79.3 118.9

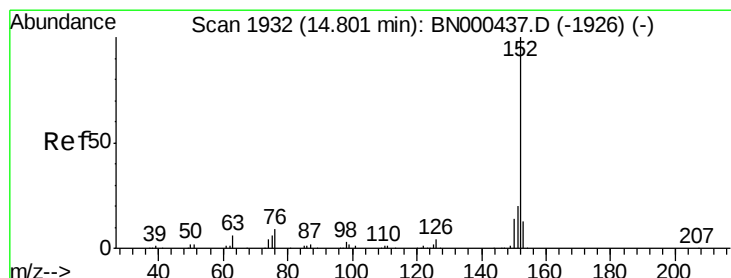
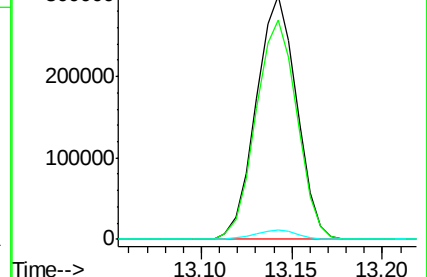
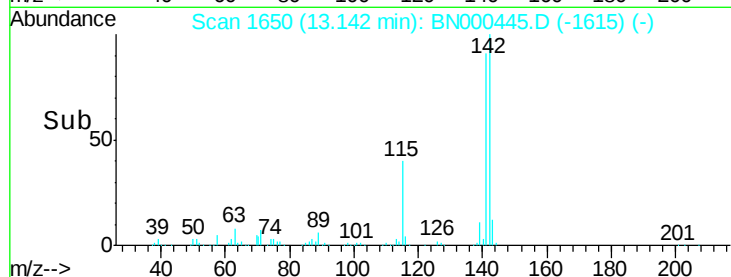
116 3.9 4.2 6.2#



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: 19.916 ng/ul

RT: 14.80 min Scan# 1932

Delta R.T. 0.01 min

Lab File: BN000445.D

Acq: 16 Mar 2018 18:51

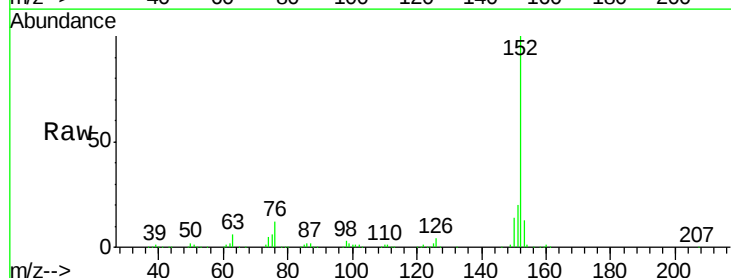
Tgt Ion:152 Resp: 758879

Ion Ratio Lower Upper

152 100

151 19.9 16.7 25.1

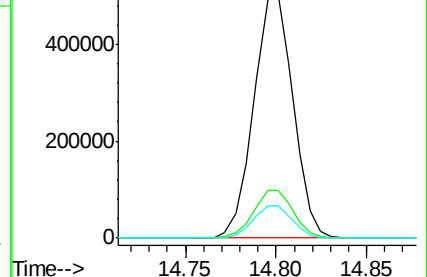
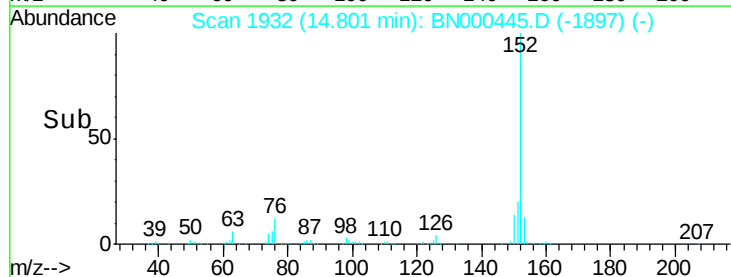
153 13.2 10.2 15.4

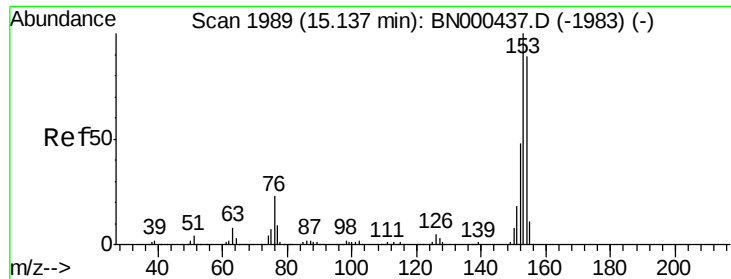


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 19.608 ng/ul

RT: 15.14 min Scan# 1989

Delta R.T. 0.01 min

Lab File: BN000445.D

Acq: 16 Mar 2018 18:51

Instrument :

BNA_N

ClientSampleId :

SSTD02010

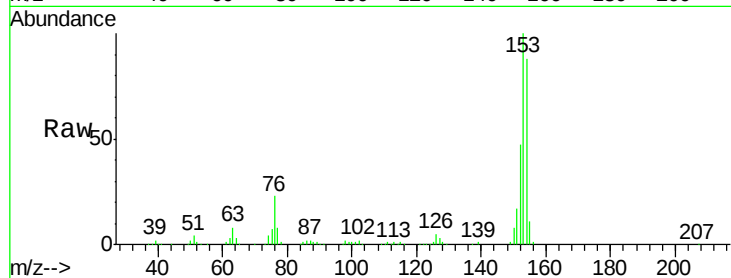
Tot Ion:153 Resp: 520015

Ion Ratio Lower Upper

153 100

152 47.0 39.0 58.6

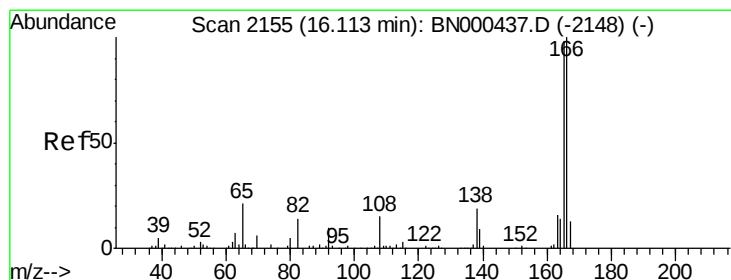
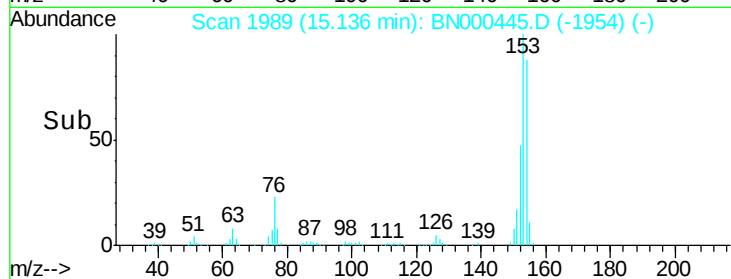
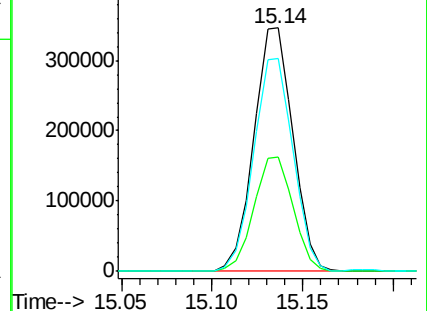
154 87.7 66.8 100.2



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: 20.290 ng/ul

RT: 16.11 min Scan# 2154

Delta R.T. 0.01 min

Lab File: BN000445.D

Acq: 16 Mar 2018 18:51

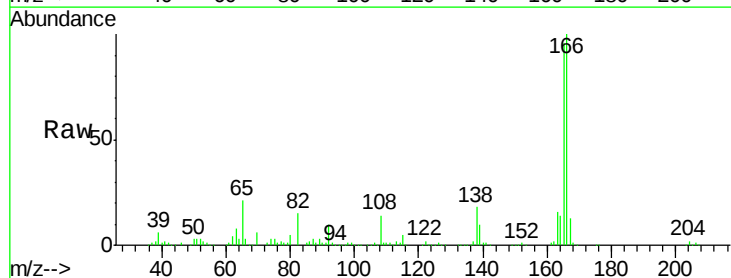
Tgt Ion:166 Resp: 593471

Ion Ratio Lower Upper

166 100

165 95.8 83.8 125.8

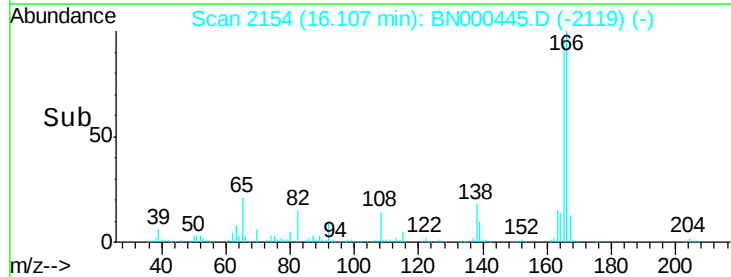
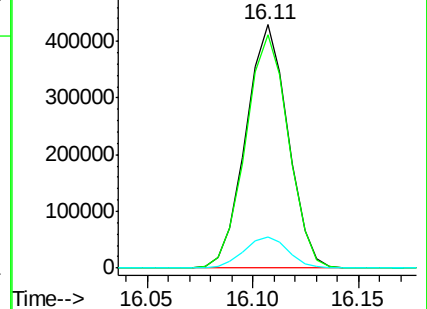
167 13.0 11.5 17.3

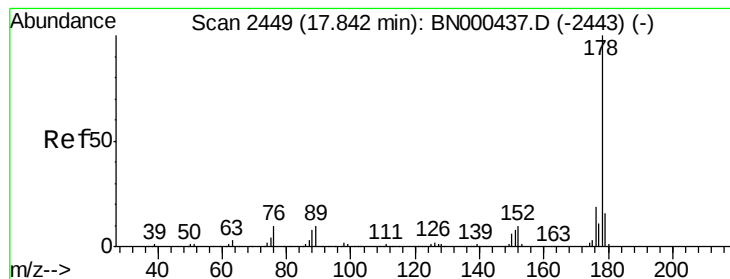


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 19.514 ng/ul

RT: 17.84 min Scan# 2448

Delta R.T. 0.01 min

Lab File: BN000445.D

Acq: 16 Mar 2018 18:51

Instrument :

BNA_N

ClientSampleId :

SSTD02010

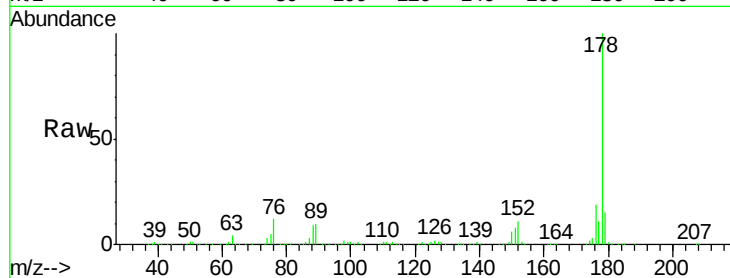
Tot Ion:178 Resp: 996902

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

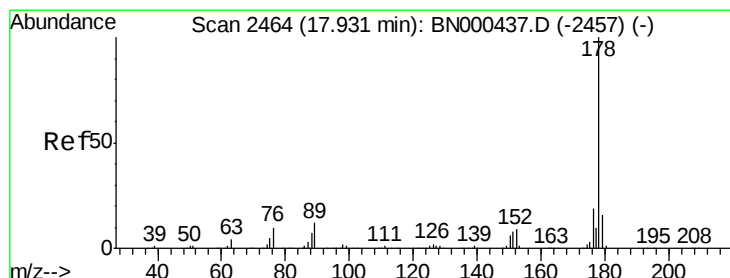
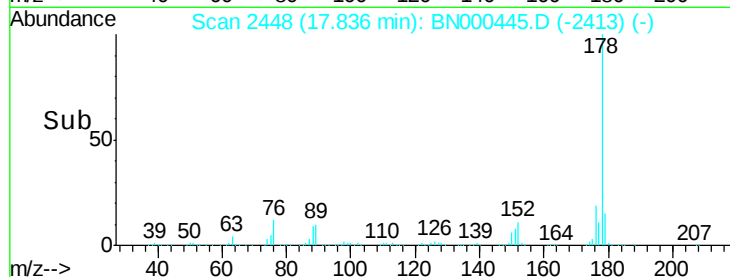
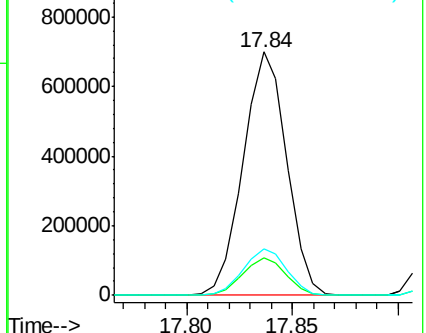
176 19.1 15.1 22.7



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: 20.129 ng/ul

RT: 17.93 min Scan# 2464

Delta R.T. 0.01 min

Lab File: BN000445.D

Acq: 16 Mar 2018 18:51

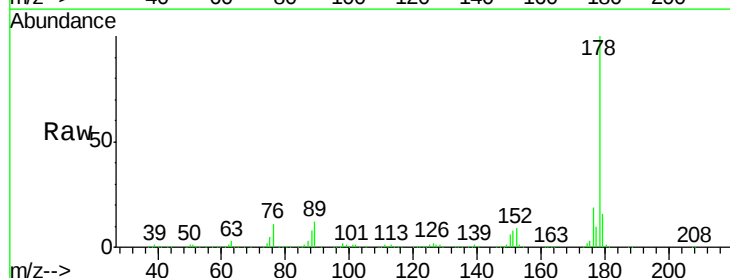
Tgt Ion:178 Resp: 1043420

Ion Ratio Lower Upper

178 100

179 15.5 11.8 17.8

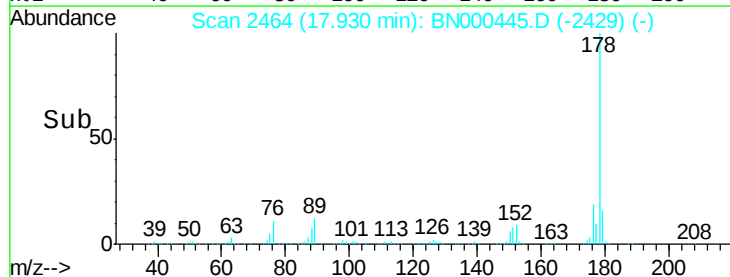
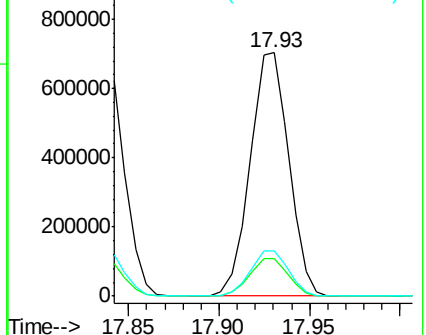
176 18.6 15.2 22.8

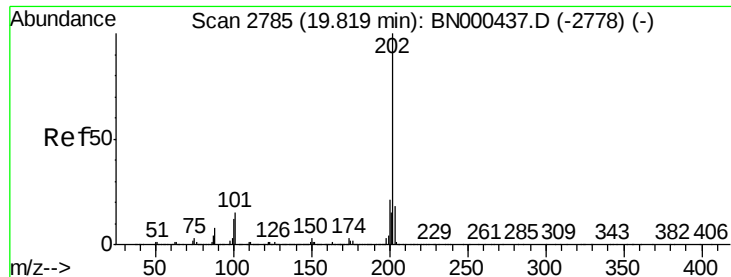


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

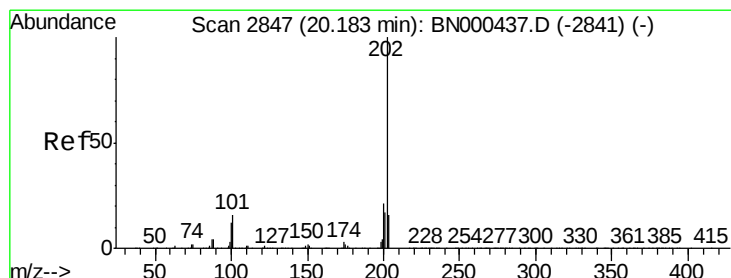
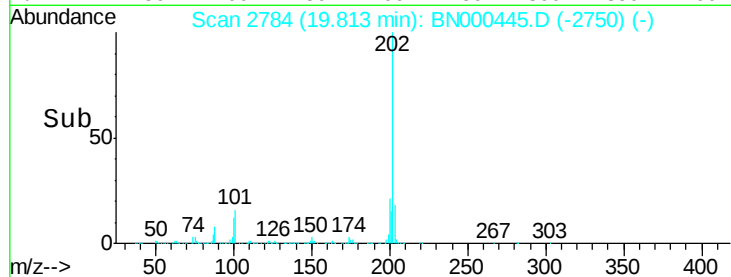
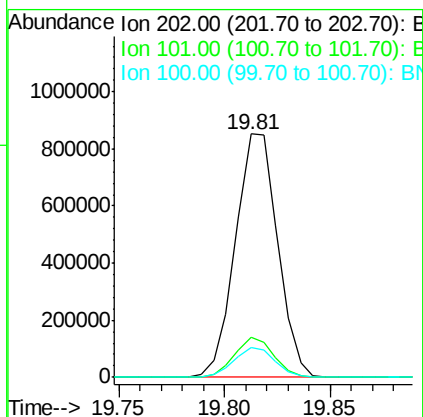
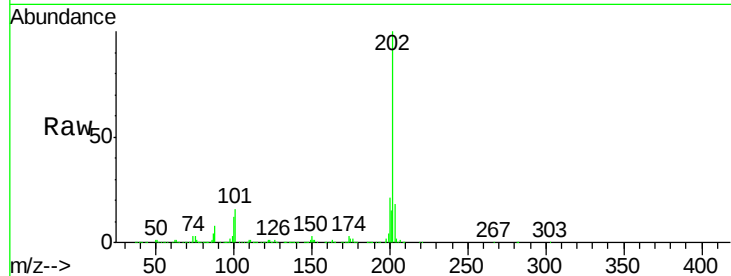




#16
Fluoranthene
Concen: 21.385 ng/ul
RT: 19.81 min Scan# 2784
Delta R.T. -0.00 min
Lab File: BN000445.D
Acq: 16 Mar 2018 18:51

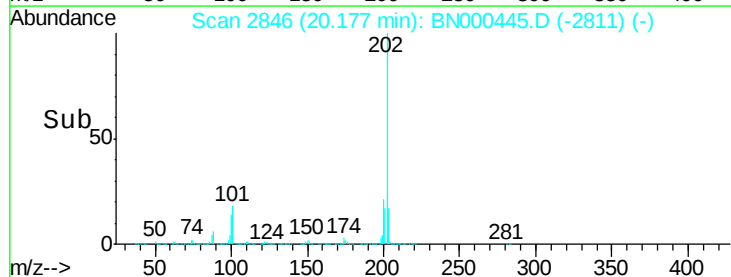
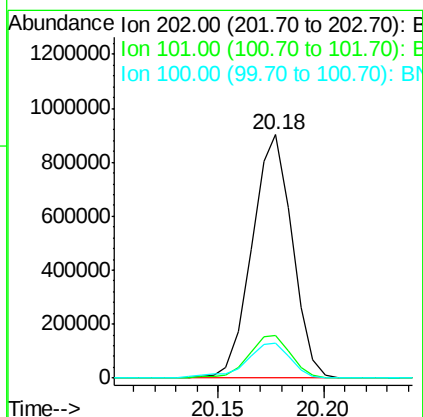
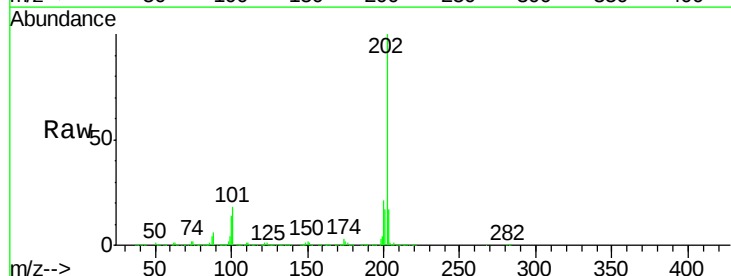
Instrument :
BNA_N
ClientSampled :
SSTD02010

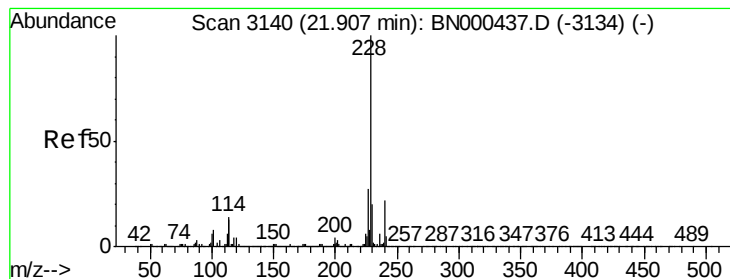
Tot Ion:202 Resp: 1180385
Ion Ratio Lower Upper
202 100
101 16.2 9.9 14.9#
100 12.2 7.4 11.0#



#19
Pyrene
Concen: 21.325 ng/ul
RT: 20.18 min Scan# 2846
Delta R.T. 0.01 min
Lab File: BN000445.D
Acq: 16 Mar 2018 18:51

Tgt Ion:202 Resp: 1186958
Ion Ratio Lower Upper
202 100
101 17.6 11.0 16.4#
100 14.3 8.1 12.1#





#20

Benzo(a)anthracene

Concen: 20.112 ng/ul

RT: 21.90 min Scan# 3139

Delta R.T. 0.01 min

Lab File: BN000445.D

Acq: 16 Mar 2018 18:51

Instrument :

BNA_N

ClientSampleId :

SSTD02010

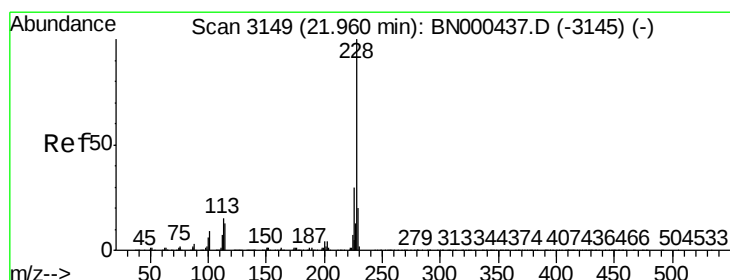
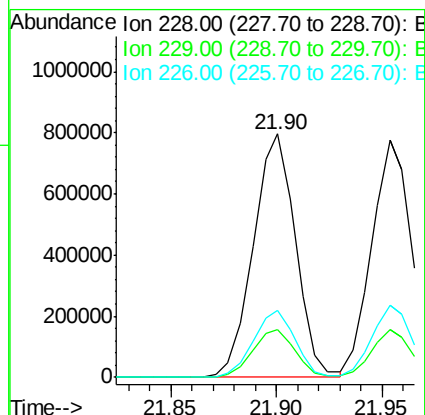
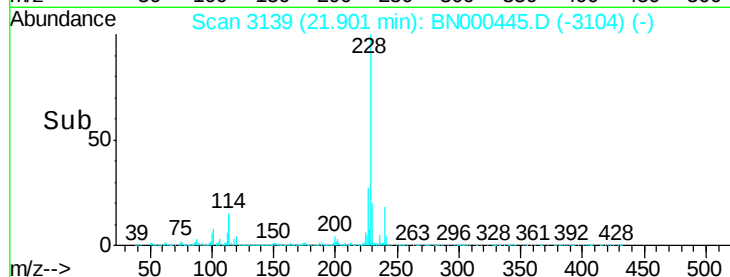
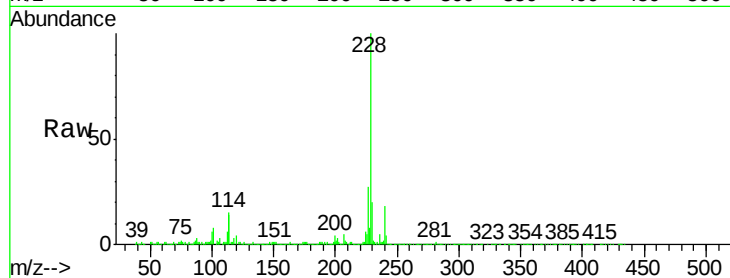
Tot Ion:228 Resp: 1102310

Ion Ratio Lower Upper

228 100

229 19.9 15.7 23.5

226 27.5 21.1 31.7



#21

Chrysene

Concen: 19.630 ng/ul

RT: 21.95 min Scan# 3148

Delta R.T. 0.01 min

Lab File: BN000445.D

Acq: 16 Mar 2018 18:51

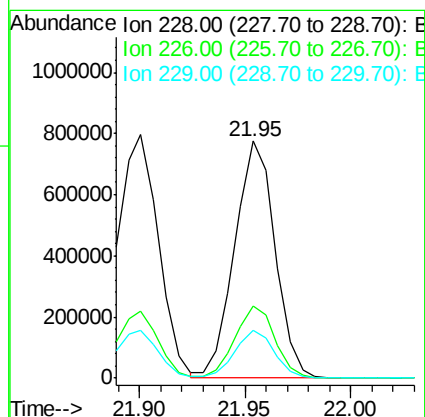
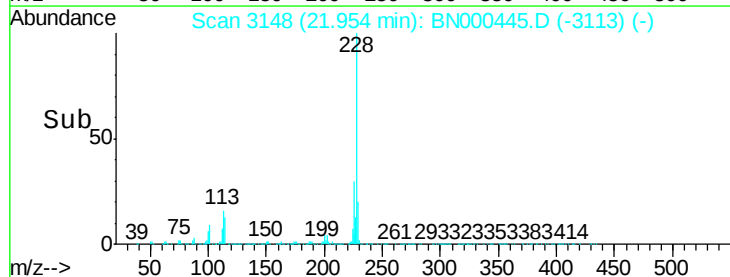
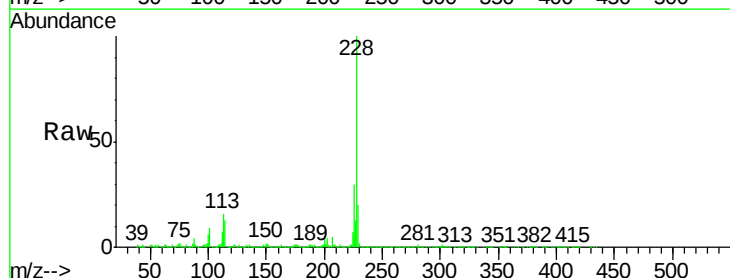
Tgt Ion:228 Resp: 1020994

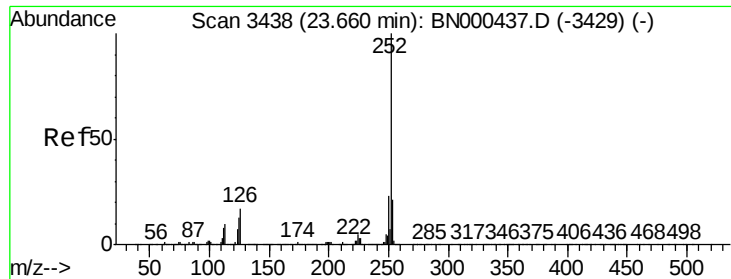
Ion Ratio Lower Upper

228 100

226 30.3 24.5 36.7

229 20.2 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 20.697 ng/ul

RT: 23.65 min Scan# 3437

Delta R.T. 0.01 min

Lab File: BN000445.D

Acq: 16 Mar 2018 18:51

Instrument :

BNA_N

ClientSampleId :

SSTD02010

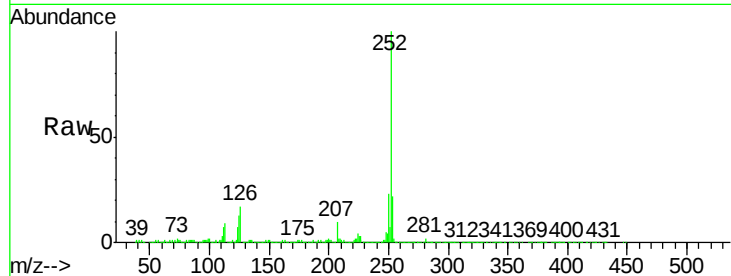
Tot Ion:252 Resp: 1051443

Ion Ratio Lower Upper

252 100

253 21.8 18.0 27.0

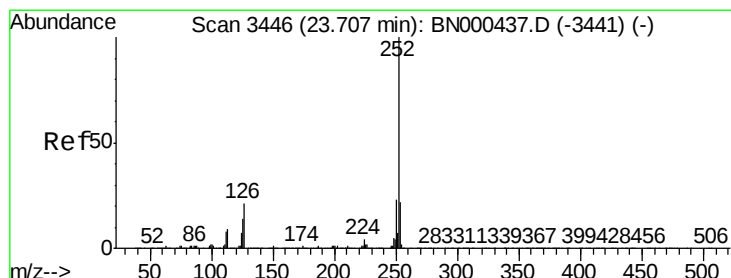
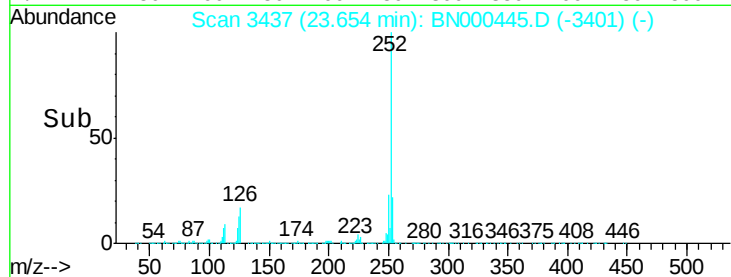
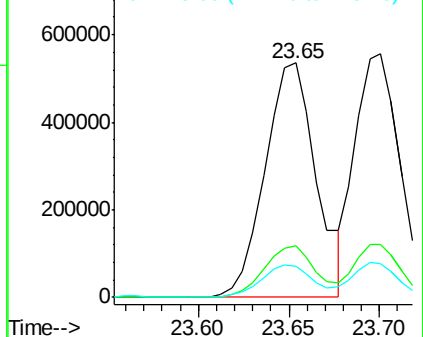
125 13.3 8.0 12.0#



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: 19.880 ng/ul

RT: 23.70 min Scan# 3445

Delta R.T. 0.01 min

Lab File: BN000445.D

Acq: 16 Mar 2018 18:51

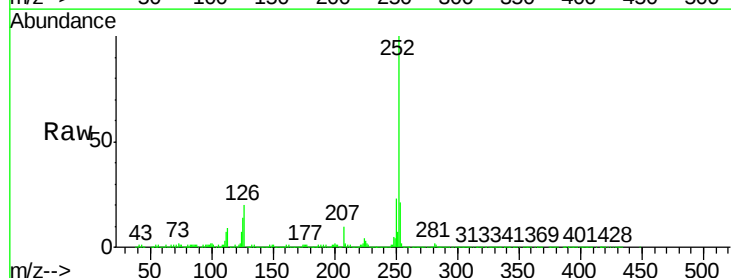
Tgt Ion:252 Resp: 945354

Ion Ratio Lower Upper

252 100

253 21.5 18.0 27.0

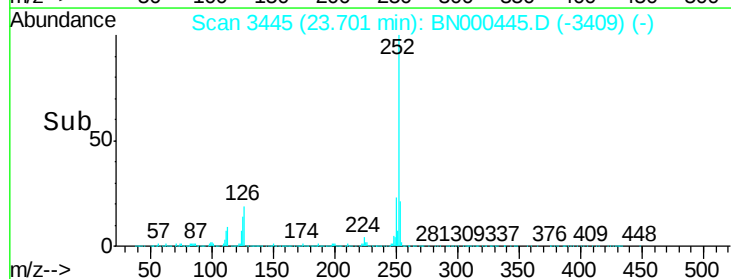
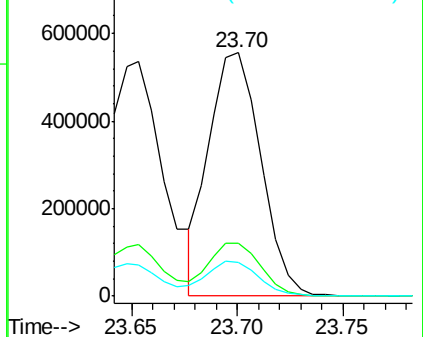
125 13.9 8.1 12.1#

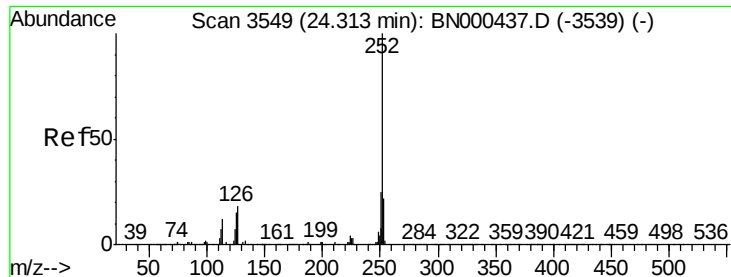


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 19.839 ng/ul

RT: 24.30 min Scan# 3547

Delta R.T. 0.01 min

Lab File: BN000445.D

Acq: 16 Mar 2018 18:51

Instrument :

BNA_N

ClientSampleId :

SSTD02010

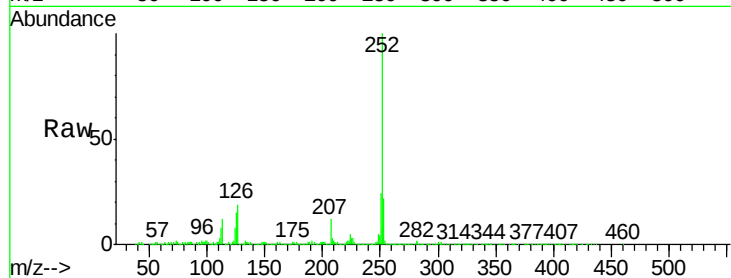
Tot Ion:252 Resp: 959229

Ion Ratio Lower Upper

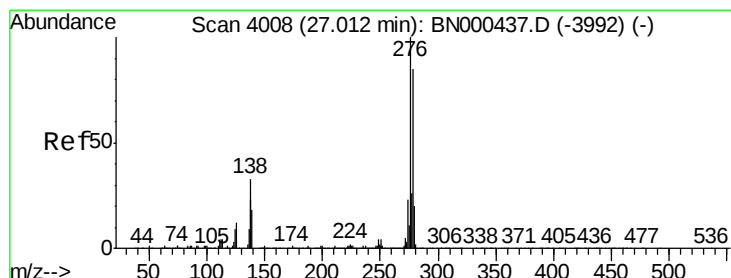
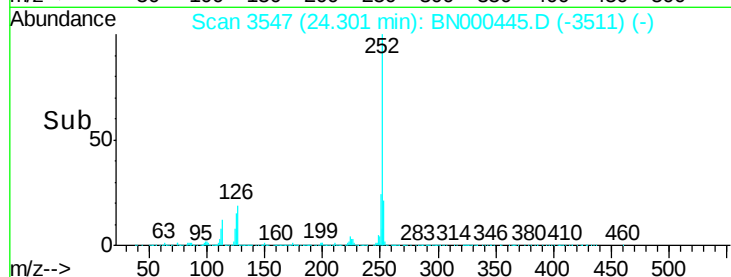
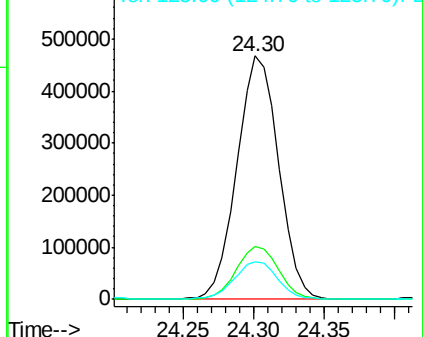
252 100

253 21.6 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: 20.551 ng/ul

RT: 27.00 min Scan# 4006

Delta R.T. 0.02 min

Lab File: BN000445.D

Acq: 16 Mar 2018 18:51

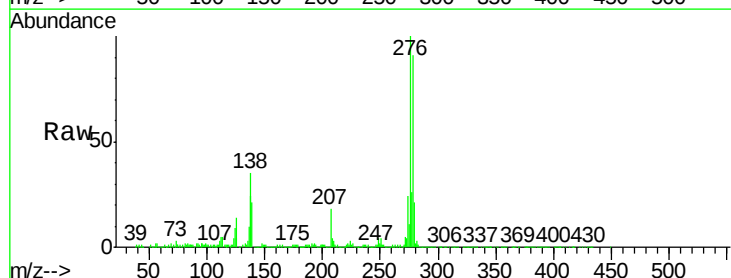
Tgt Ion:276 Resp: 1071361

Ion Ratio Lower Upper

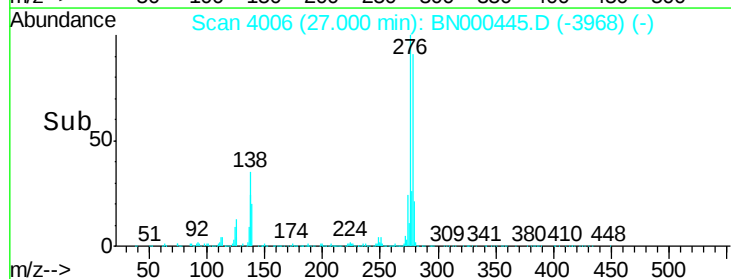
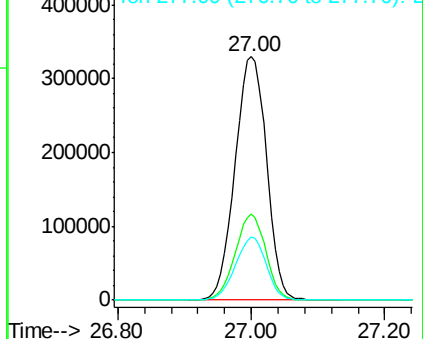
276 100

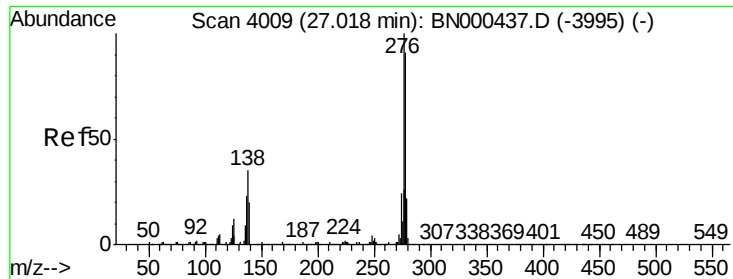
138 35.3 14.4 21.6#

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: 20.985 ng/ul

RT: 27.01 min Scan# 4007

Delta R.T. 0.02 min

Lab File: BN000445.D

Acq: 16 Mar 2018 18:51

Instrument :

BNA_N

ClientSampleId :

SSTD02010

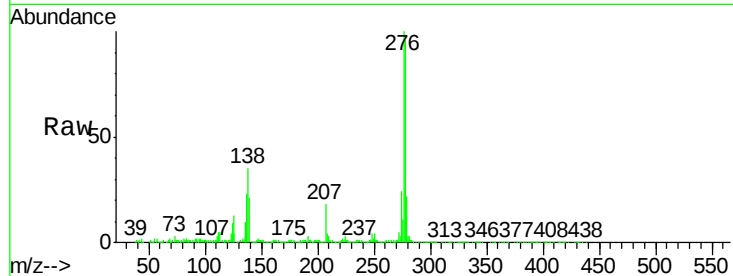
Tot Ion:278 Resp: 896723

Ion Ratio Lower Upper

278 100

139 22.0 12.2 18.4#

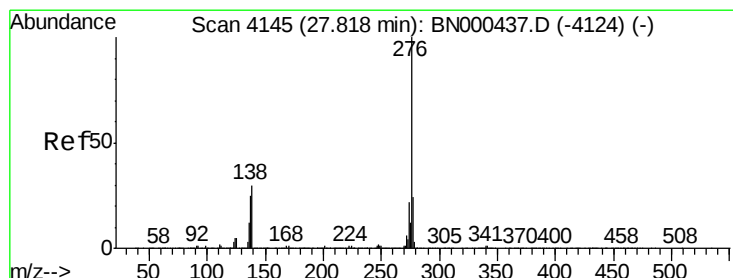
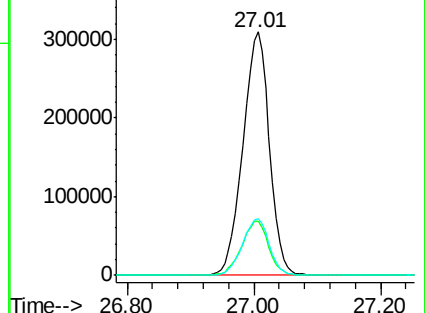
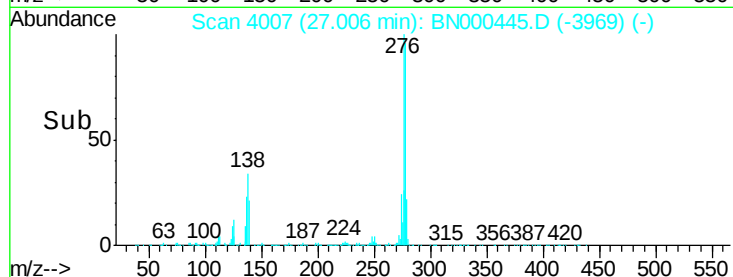
279 23.2 19.2 28.8



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: 20.210 ng/ul

RT: 27.80 min Scan# 4142

Delta R.T. 0.03 min

Lab File: BN000445.D

Acq: 16 Mar 2018 18:51

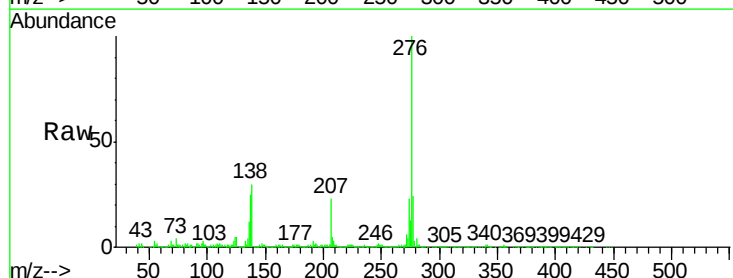
Tgt Ion:276 Resp: 879712

Ion Ratio Lower Upper

276 100

138 30.0 15.3 22.9#

277 23.8 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

