

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA N\DATA\BN030918\
 Data File : BN000282.D
 Acq On : 09 Mar 2018 15:26
 Operator : JU/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 09 23:20:39 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 09 12:58:52 2018
 Response via : Initial Calibration

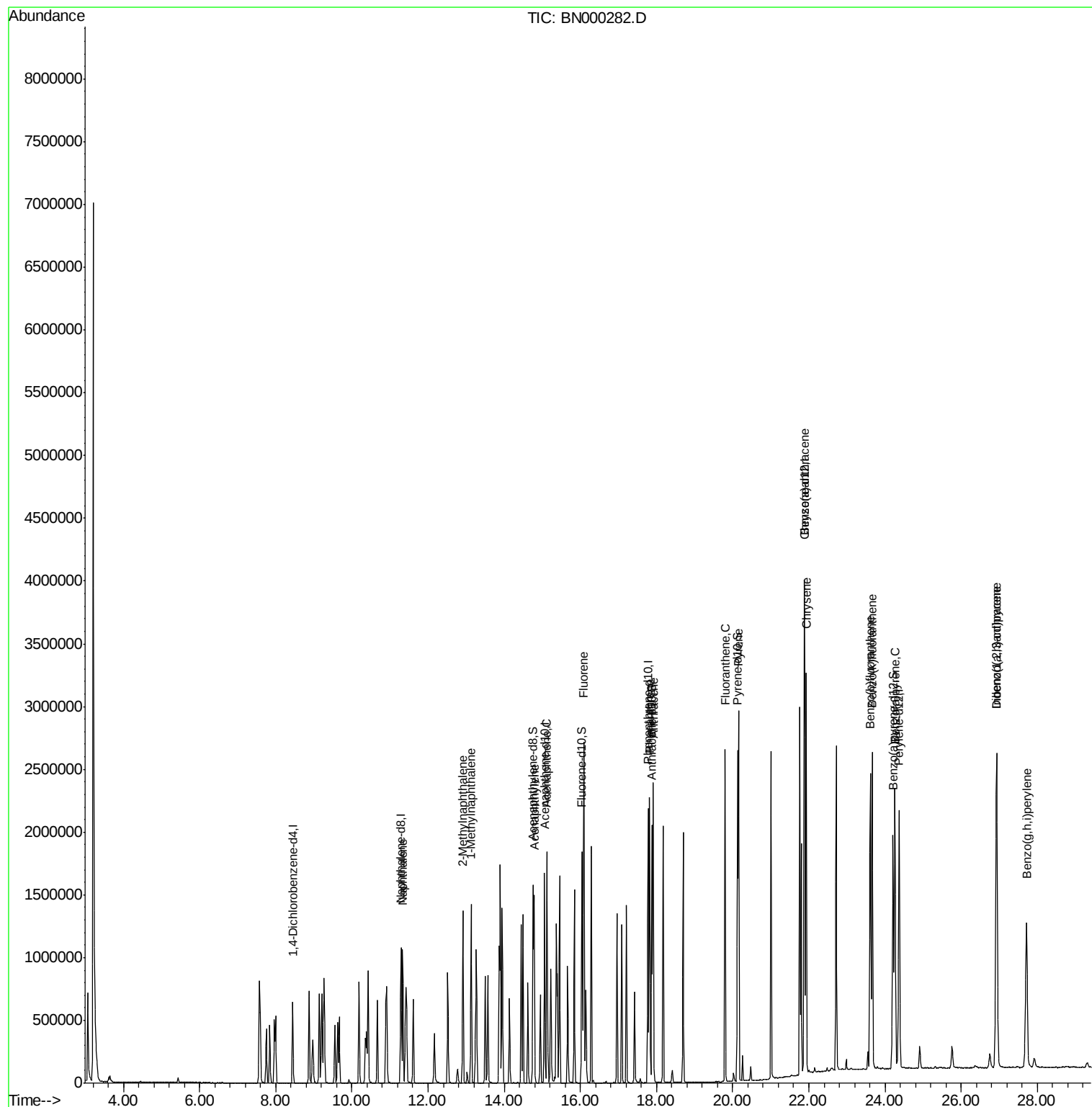
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	173990	20.00	ng/ul	0.00
2) Naphthalene-d8	11.29	136	889762	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	534102	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.78	188	1163285	20.00	ng/ul	0.00
17) Chrysene-d12	21.89	240	1319845	20.00	ng/ul	0.00
22) Perylene-d12	24.37	264	1425849	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.76	160	1024659	19.33	ng/ul	0.00
10) Fluorene-d10	16.04	176	691800	19.27	ng/ul	0.00
14) Anthracene-d10	17.87	188	1078607	19.84	ng/ul	0.00
18) Pyrene-d10	20.13	212	1191805	18.46	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.21	264	1262167	19.38	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	11.33	128	909106	19.362	ng/ul	100
4) 2-Methylnaphthalene	12.92	142	650197	19.672	ng/ul	98
5) 1-Methylnaphthalene	13.13	142	649092	19.569	ng/ul#	92
8) Acenaphthylene	14.79	152	1042749	19.575	ng/ul	98
9) Acenaphthene	15.12	153	713667	19.249	ng/ul	96
11) Fluorene	16.09	166	813571	19.895	ng/ul	93
13) Phenanthrene	17.82	178	1308829	19.618	ng/ul	100
15) Anthracene	17.91	178	1344695	19.864	ng/ul	99
16) Fluoranthene	19.80	202	1468159	20.368	ng/ul#	93
19) Pyrene	20.16	202	1558258	18.700	ng/ul#	91
20) Benzo(a)anthracene	21.87	228	1589312	19.370	ng/ul	99
21) Chrysene	21.93	228	1486697	19.093	ng/ul	99
23) Benzo(b)fluoranthene	23.62	252	1630838	19.181	ng/ul#	96
24) Benzo(k)fluoranthene	23.66	252	1578881	19.838	ng/ul#	96
26) Benzo(a)pyrene	24.26	252	1580258	19.528	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	26.93	276	1682628	19.285	ng/ul#	80
28) Dibenzo(a,h)anthracene	26.94	278	1395840	19.518	ng/ul#	93
29) Benzo(g,h,i)perylene	27.72	276	1366426	18.756	ng/ul#	90

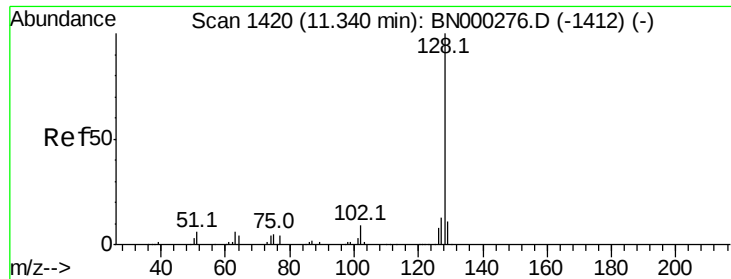
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA N\DATA\BN030918\
Data File : BN000282.D
Acq On : 09 Mar 2018 15:26
Operator : JU/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :

Quant Time: Mar 09 23:20:39 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 09 12:58:52 2018
Response via : Initial Calibration





#3

Naphthalene

Concen: 19.362 ng/ul

RT: 11.33 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BN000282.D

Acq: 09 Mar 2018 15:26

Instrument :

BNA_N

ClientSampleId :

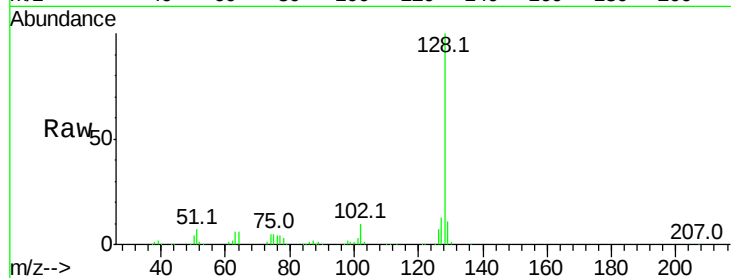
Tot Ion:128 Resp: 909106

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

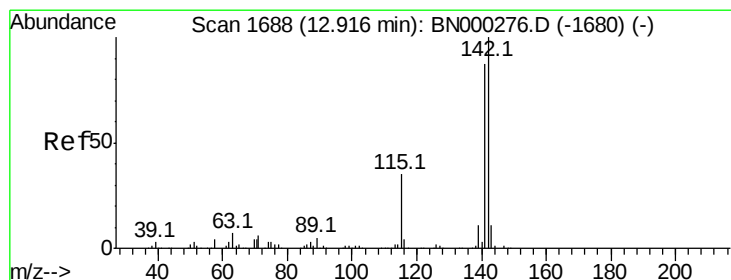
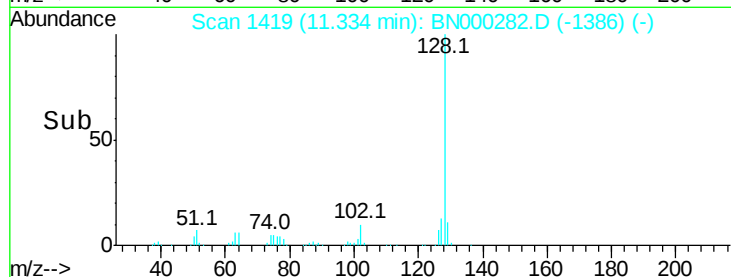
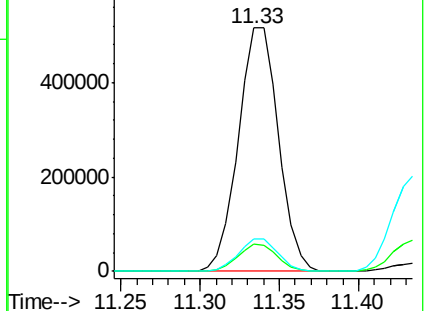
127 13.4 10.6 16.0



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: 19.672 ng/ul

RT: 12.92 min Scan# 1688

Delta R.T. 0.00 min

Lab File: BN000282.D

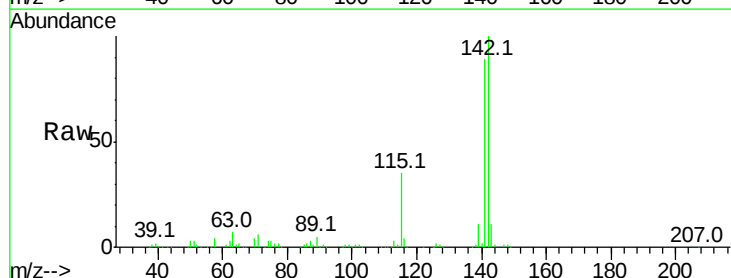
Acq: 09 Mar 2018 15:26

Tgt Ion:142 Resp: 650197

Ion Ratio Lower Upper

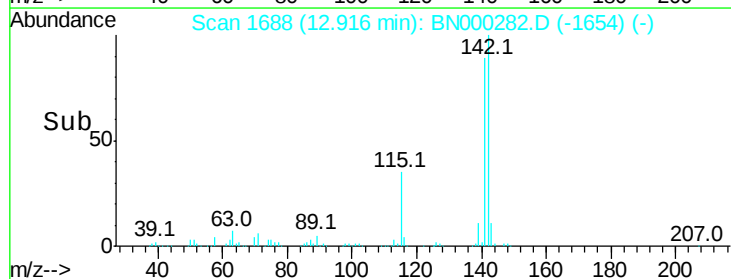
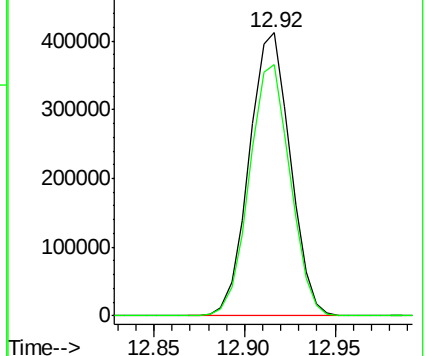
142 100

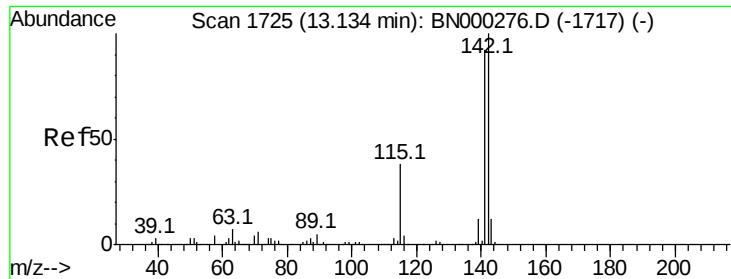
141 88.8 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 19.569 ng/ul

RT: 13.13 min Scan# 1724

Delta R.T. -0.01 min

Lab File: BN000282.D

Acq: 09 Mar 2018 15:26

Instrument :

BNA_N

ClientSampleId :

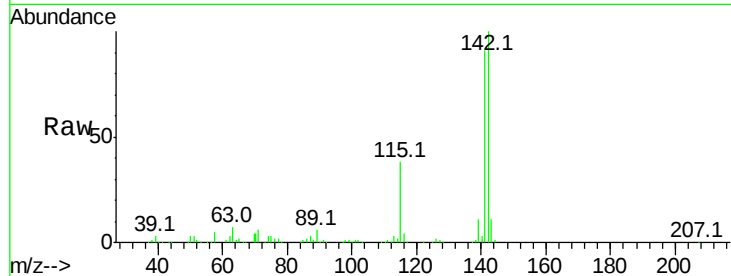
Tot Ion:142 Resp: 649092

Ion Ratio Lower Upper

142 100

141 91.2 79.3 118.9

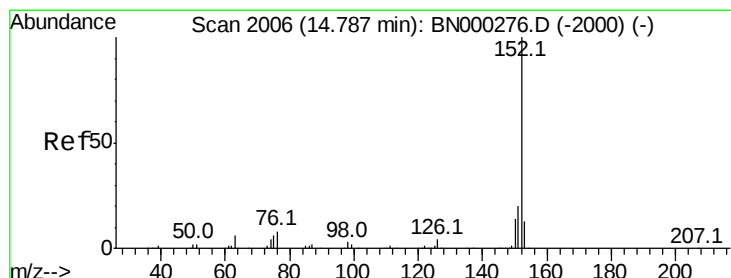
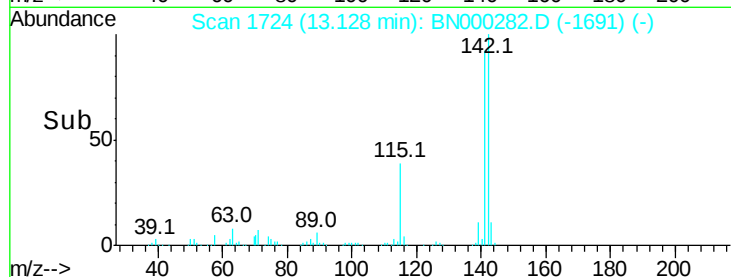
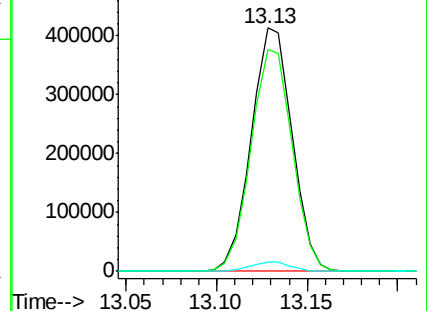
116 4.0 4.2 6.2#



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: 19.575 ng/ul

RT: 14.79 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BN000282.D

Acq: 09 Mar 2018 15:26

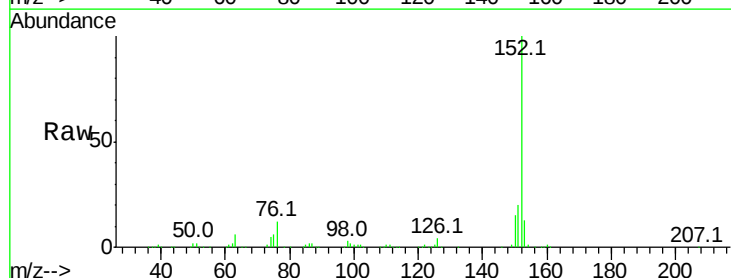
Tgt Ion:152 Resp: 1042749

Ion Ratio Lower Upper

152 100

151 19.9 16.7 25.1

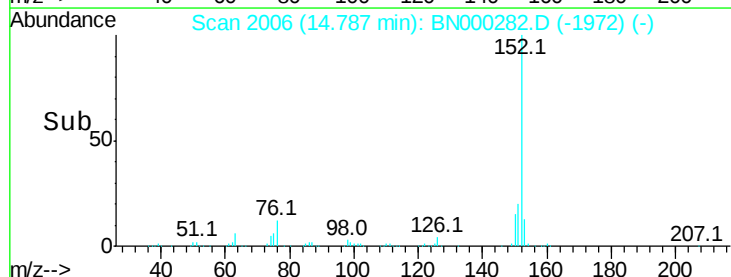
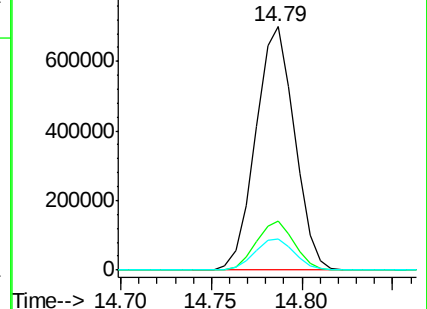
153 13.0 10.2 15.4

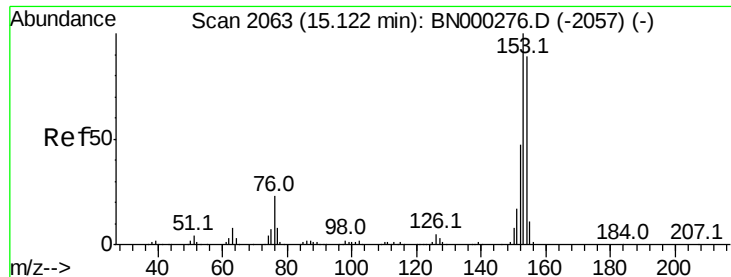


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 19.249 ng/ul

RT: 15.12 min Scan# 2063

Delta R.T. 0.00 min

Lab File: BN000282.D

Acq: 09 Mar 2018 15:26

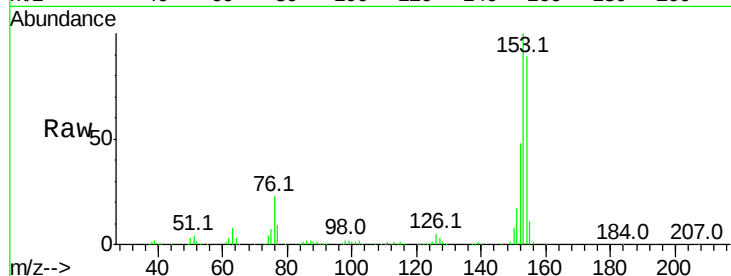
Instrument :

BNA_N

ClientSampleId :

Tot Ion:153 Resp: 713667

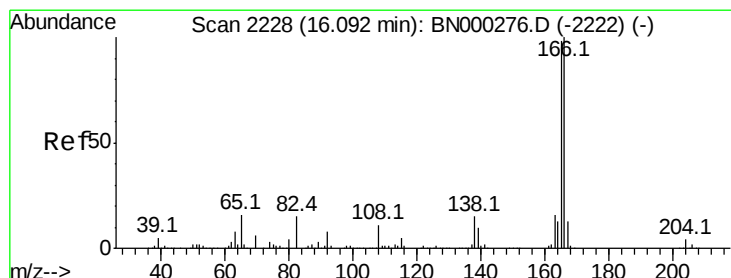
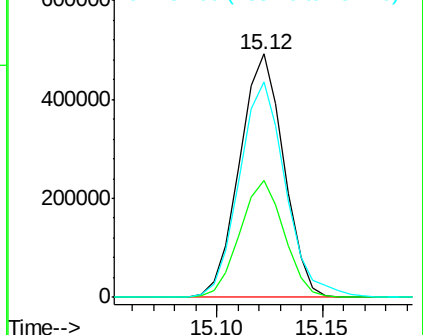
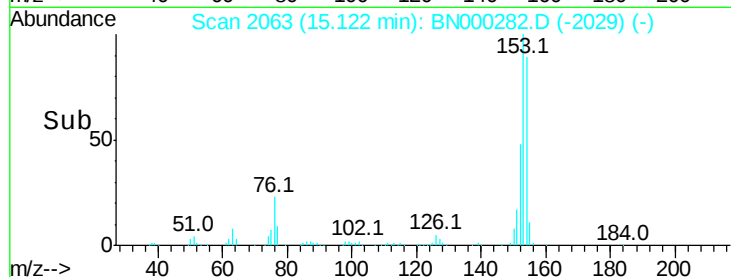
Ion	Ratio	Lower	Upper
153	100		
152	48.1	39.0	58.6
154	88.7	66.8	100.2



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: 19.895 ng/ul

RT: 16.09 min Scan# 2228

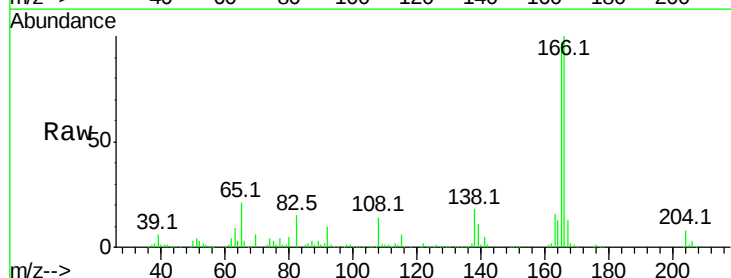
Delta R.T. 0.00 min

Lab File: BN000282.D

Acq: 09 Mar 2018 15:26

Tgt Ion:166 Resp: 813571

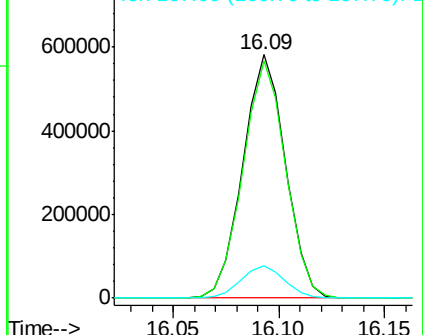
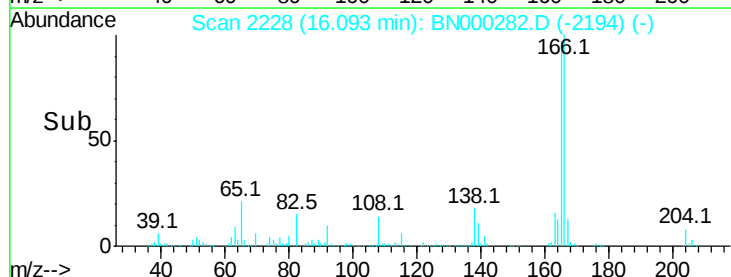
Ion	Ratio	Lower	Upper
166	100		
165	97.4	83.8	125.8
167	13.2	11.5	17.3

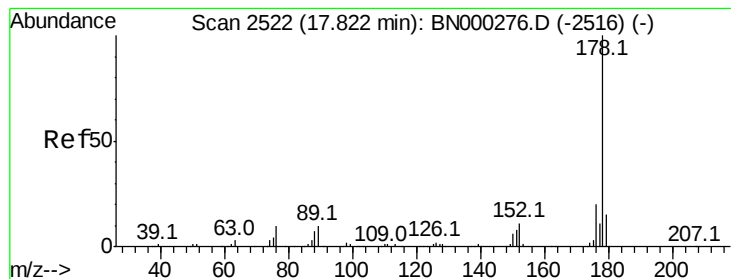


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 19.618 ng/ul

RT: 17.82 min Scan# 2522

Delta R.T. 0.00 min

Lab File: BN000282.D

Acq: 09 Mar 2018 15:26

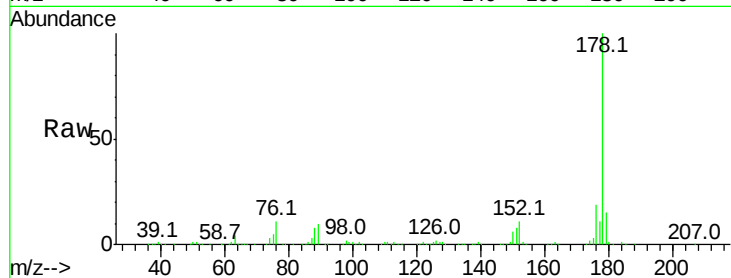
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 1308829

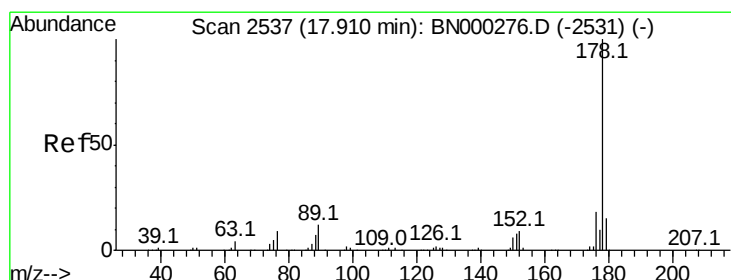
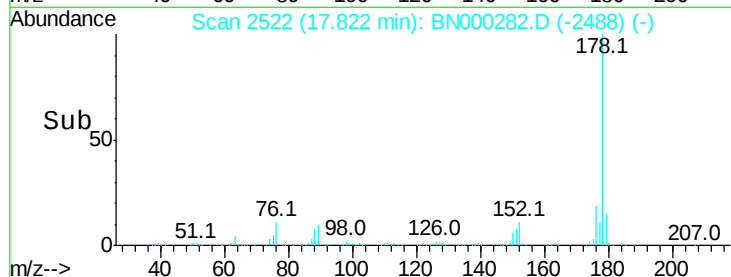
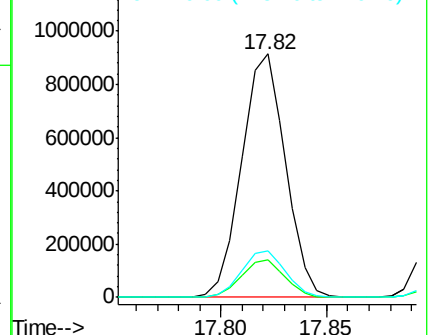
Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.2	15.1	22.7



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: 19.864 ng/ul

RT: 17.91 min Scan# 2537

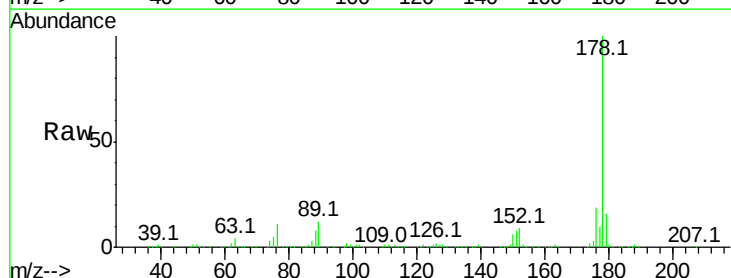
Delta R.T. 0.00 min

Lab File: BN000282.D

Acq: 09 Mar 2018 15:26

Tgt Ion:178 Resp: 1344695

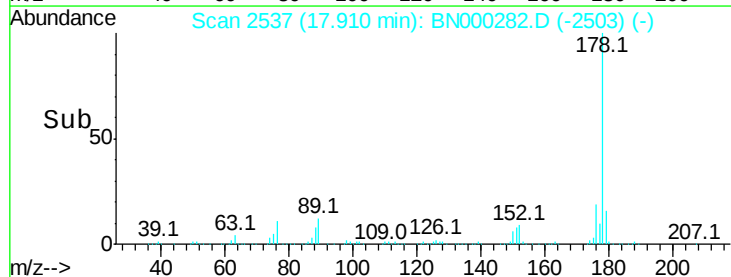
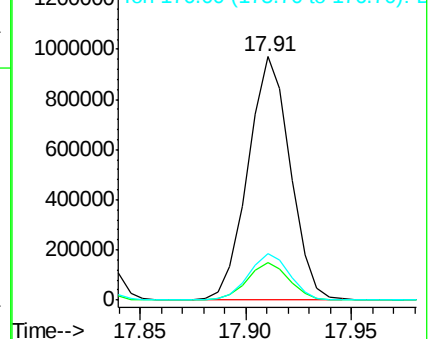
Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.8	17.8
176	19.0	15.2	22.8

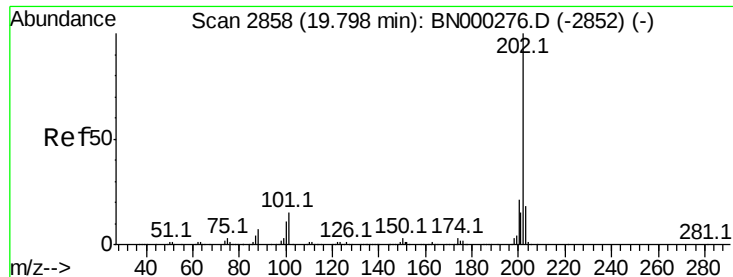


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

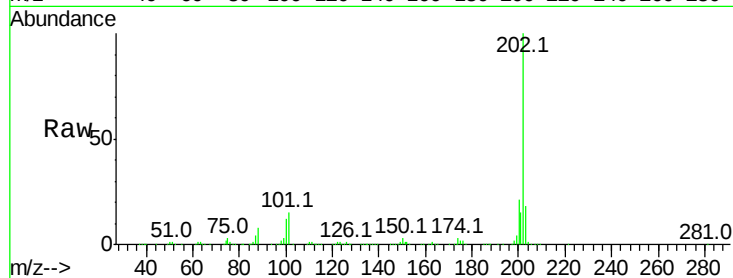




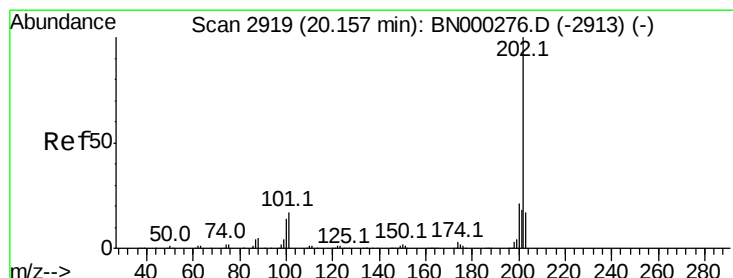
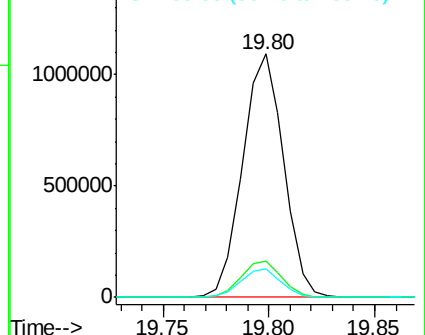
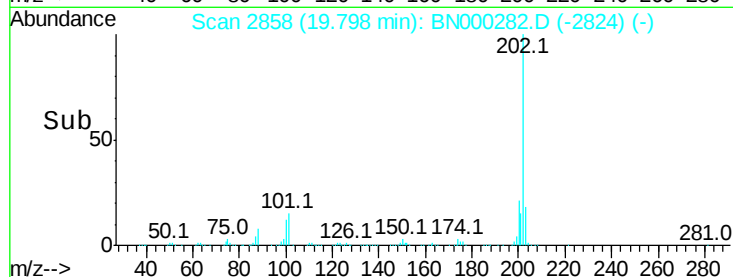
#16
 Fluoranthene
 Concen: 20.368 ng/ul
 RT: 19.80 min Scan# 2858
 Delta R.T. 0.00 min
 Lab File: BN000282.D
 Acq: 09 Mar 2018 15:26

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:202 Resp: 1468159
 Ion Ratio Lower Upper
 202 100
 101 14.9 9.9 14.9#
 100 11.6 7.4 11.0#

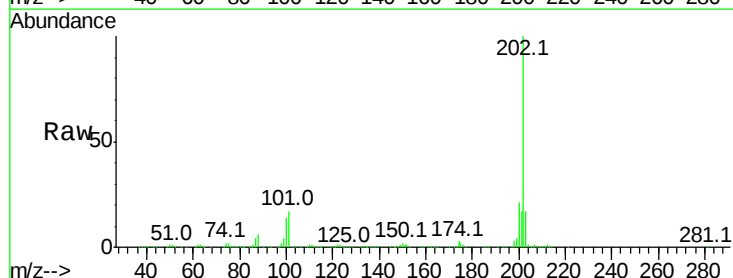


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

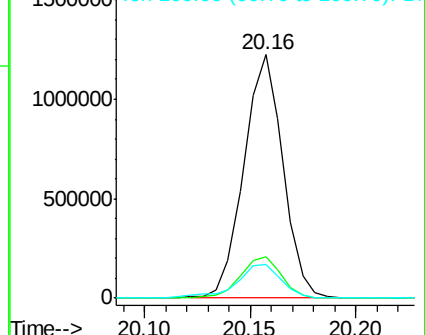
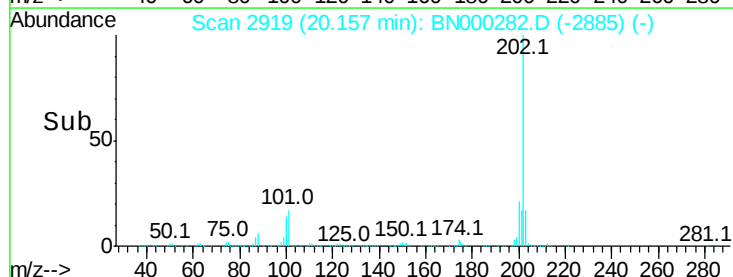


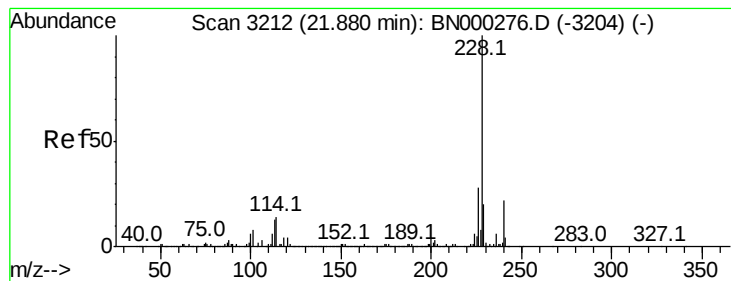
#19
 Pyrene
 Concen: 18.700 ng/ul
 RT: 20.16 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: BN000282.D
 Acq: 09 Mar 2018 15:26

Tgt Ion:202 Resp: 1558258
 Ion Ratio Lower Upper
 202 100
 101 16.9 11.0 16.4#
 100 13.7 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: 19.370 ng/ul

RT: 21.87 min Scan# 3211

Delta R.T. -0.01 min

Lab File: BN000282.D

Acq: 09 Mar 2018 15:26

Instrument :

BNA_N

ClientSampleId :

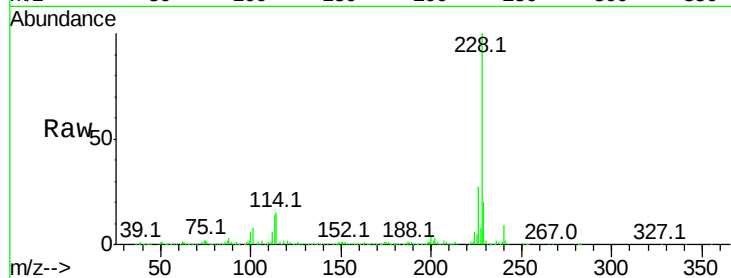
Tot Ion:228 Resp: 1589312

Ion Ratio Lower Upper

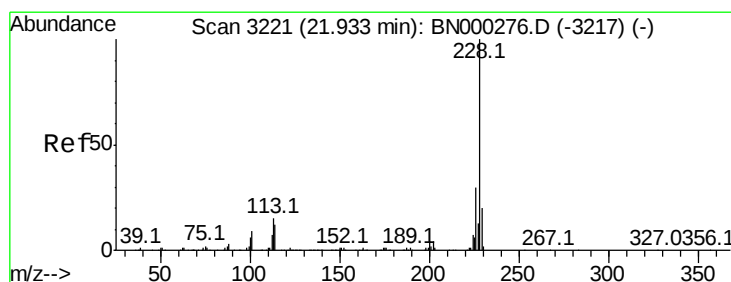
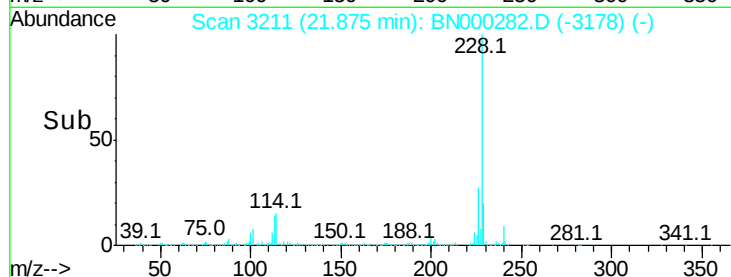
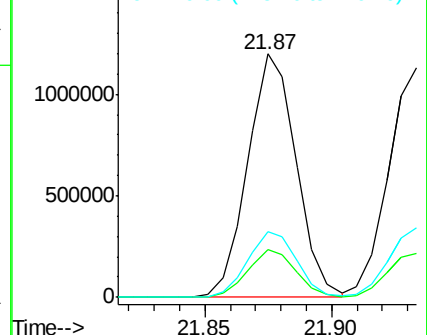
228 100

229 19.6 15.7 23.5

226 26.8 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: 19.093 ng/ul

RT: 21.93 min Scan# 3221

Delta R.T. 0.00 min

Lab File: BN000282.D

Acq: 09 Mar 2018 15:26

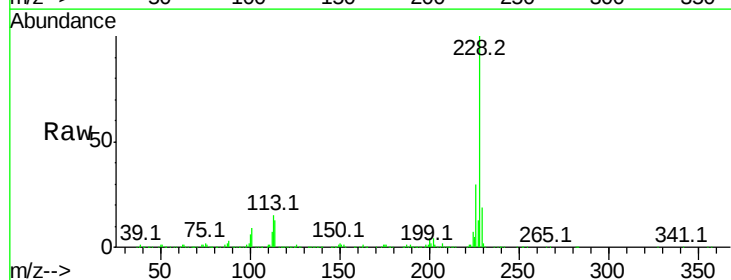
Tgt Ion:228 Resp: 1486697

Ion Ratio Lower Upper

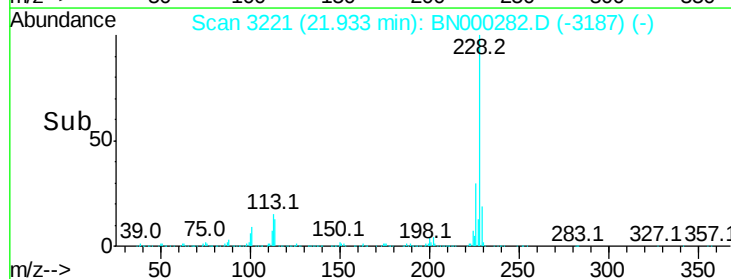
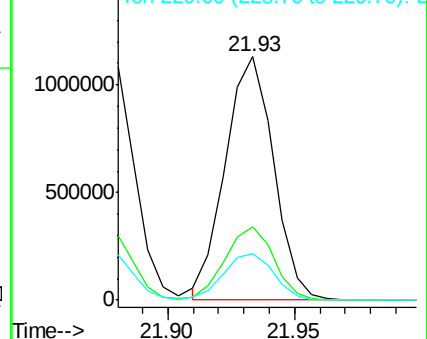
228 100

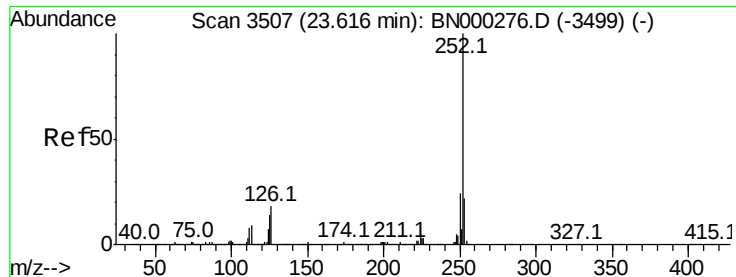
226 30.1 24.5 36.7

229 19.3 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: 19.181 ng/ul

RT: 23.62 min Scan# 3507

Delta R.T. 0.00 min

Lab File: BN000282.D

Acq: 09 Mar 2018 15:26

Instrument :

BNA_N

ClientSampleId :

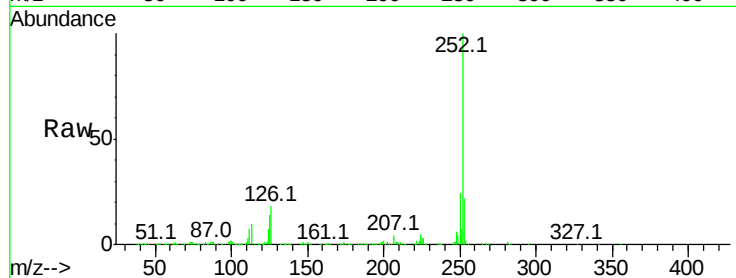
Tot Ion:252 Resp: 1630838

Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

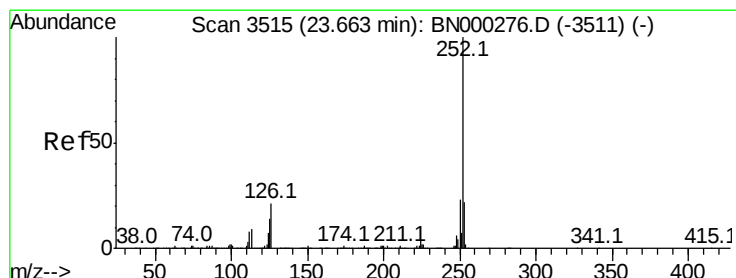
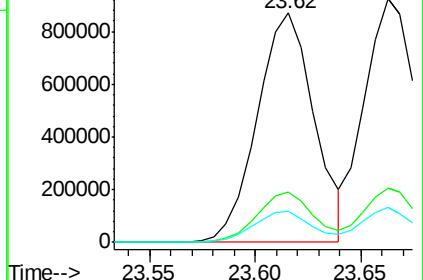
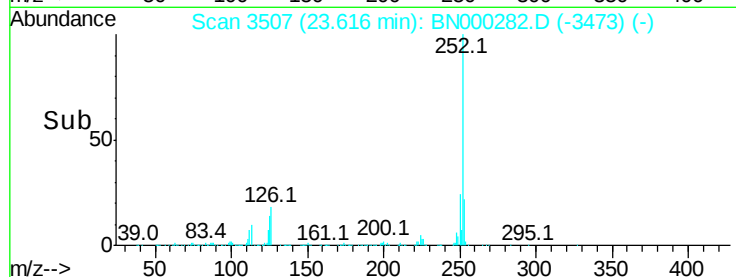
125 13.6 8.0 12.0#



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: 19.838 ng/ul

RT: 23.66 min Scan# 3515

Delta R.T. 0.00 min

Lab File: BN000282.D

Acq: 09 Mar 2018 15:26

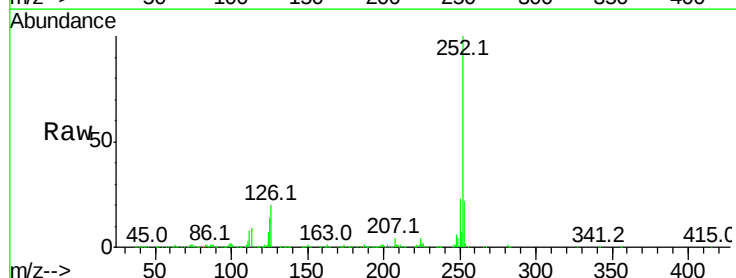
Tgt Ion:252 Resp: 1578881

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

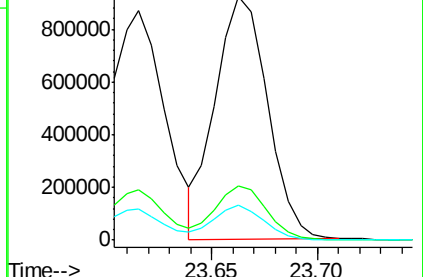
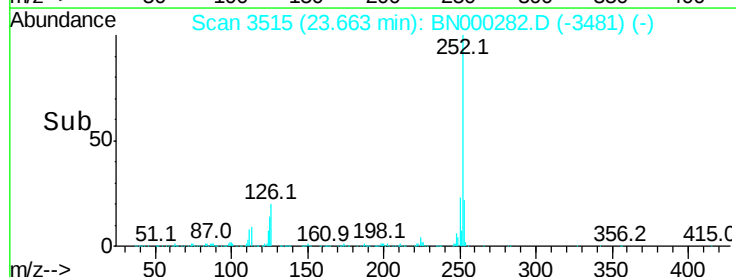
125 14.4 8.1 12.1#

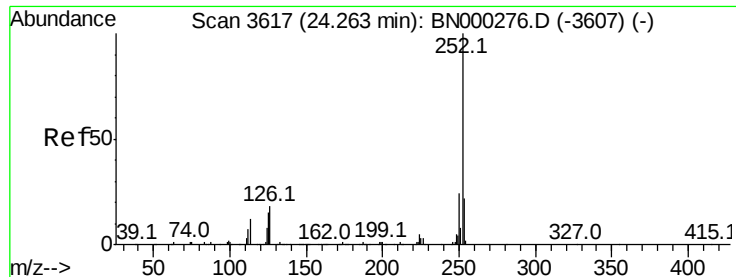


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 19.528 ng/ul

RT: 24.26 min Scan# 3617

Delta R.T. 0.00 min

Lab File: BN000282.D

Acq: 09 Mar 2018 15:26

Instrument :

BNA_N

ClientSampleId :

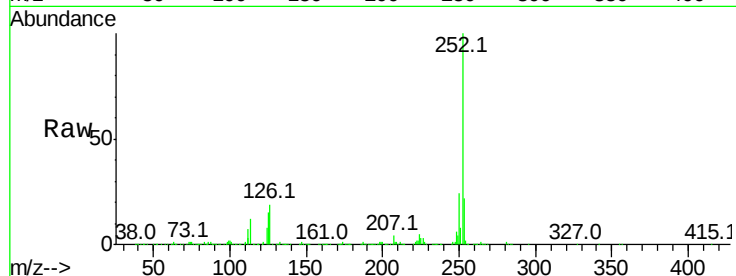
Tot Ion:252 Resp: 1580258

Ion Ratio Lower Upper

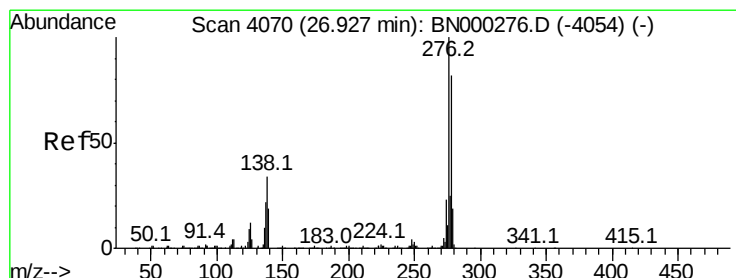
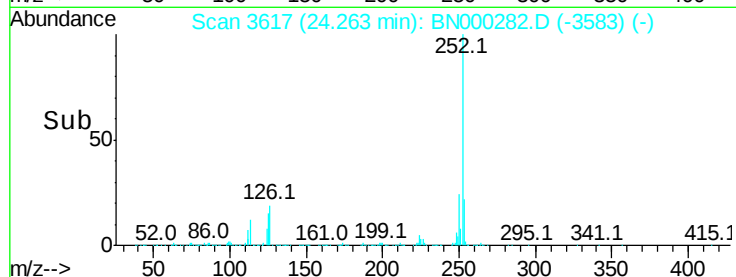
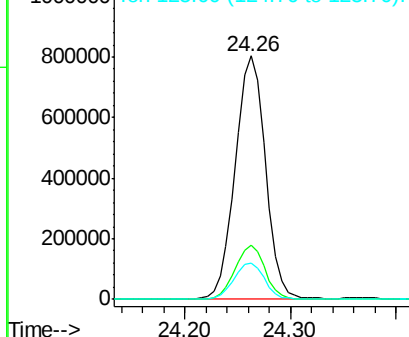
252 100

253 22.2 17.2 25.8

125 14.9 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: 19.285 ng/ul

RT: 26.93 min Scan# 4070

Delta R.T. 0.00 min

Lab File: BN000282.D

Acq: 09 Mar 2018 15:26

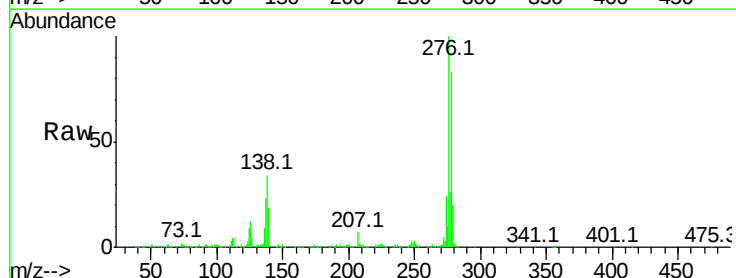
Tgt Ion:276 Resp: 1682628

Ion Ratio Lower Upper

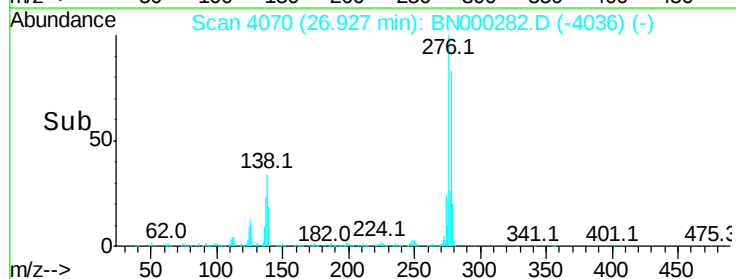
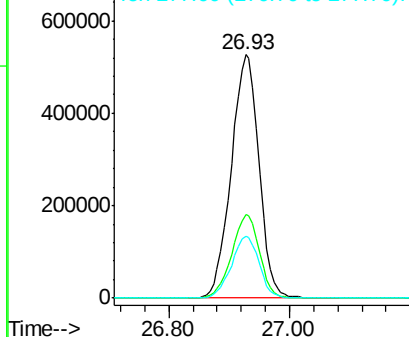
276 100

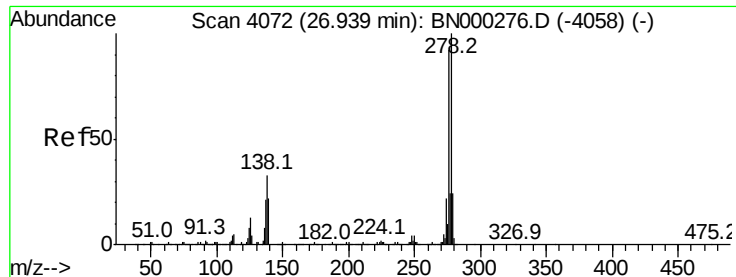
138 34.2 14.4 21.6#

277 25.6 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: 19.518 ng/u1

RT: 26.94 min Scan# 4072

Delta R.T. 0.00 min

Lab File: BN000282.D

Acq: 09 Mar 2018 15:26

Instrument :

BNA_N

ClientSampleId :

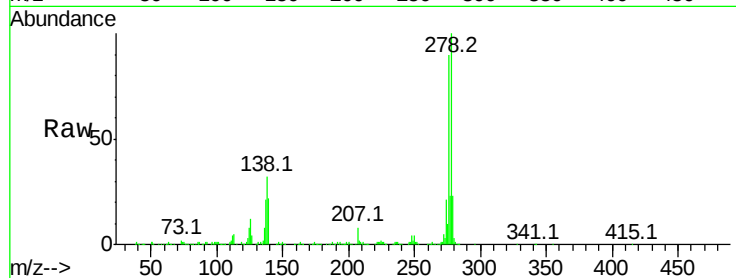
Tot Ion:278 Resp: 1395840

Ion Ratio Lower Upper

278 100

139 21.8 12.2 18.4#

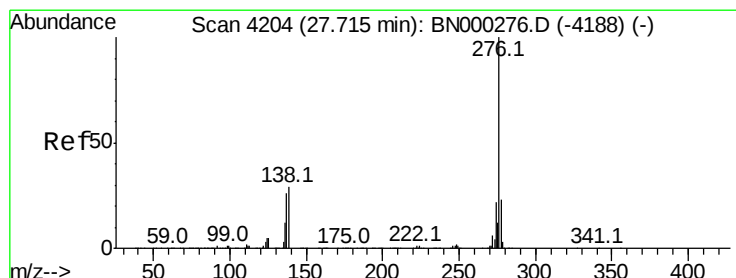
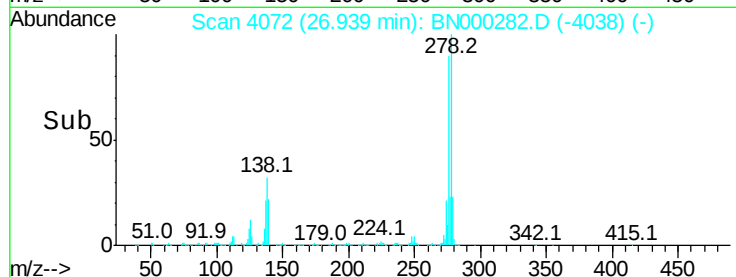
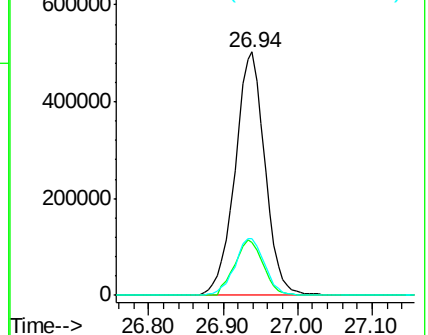
279 23.1 19.2 28.8



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: 18.756 ng/u1

RT: 27.72 min Scan# 4204

Delta R.T. 0.00 min

Lab File: BN000282.D

Acq: 09 Mar 2018 15:26

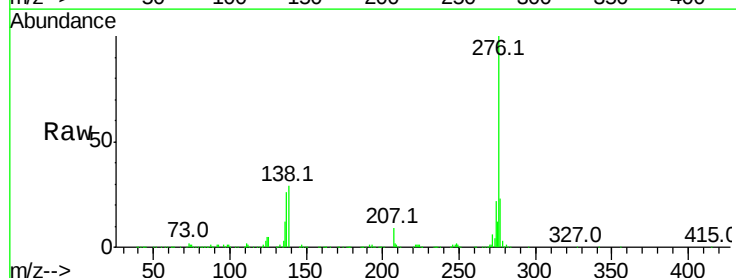
Tgt Ion:276 Resp: 1366426

Ion Ratio Lower Upper

276 100

138 29.2 15.3 22.9#

277 23.4 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

