

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
 Data File : BN001989.D
 Acq On : 06 Jul 2018 14:39
 Operator : JU/SJ
 Sample : J3765-07 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 06 23:08:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 04 00:59:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	693176	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	3048601	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	1688039	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	3313200	20.00	ng/ul	0.00
75) Chrysene-d12	21.30	240	1967051	20.00	ng/ul	0.02
83) Perylene-d12	23.54	264	2331361	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	16527	1.04	ng/uL	0.00
5) Phenol-d5	6.89	99	363024	5.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	242372	6.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	310944	6.25	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	284976	5.67	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	153698	6.79	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	166265	7.10	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	295635	5.91	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	69512	1.34	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	901509	6.32	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	1159386	6.59	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	68568	2.61	ng/ul	0.00
57) Fluorene-d10	15.33	176	786336	6.29	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	85939	4.76	ng/ul	0.00
70) Anthracene-d10	17.19	188	1062941	6.64	ng/ul	0.00
76) Pyrene-d10	19.49	212	863190	8.71	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.40	264	787521	6.21	ng/ul	0.03

Target Compounds

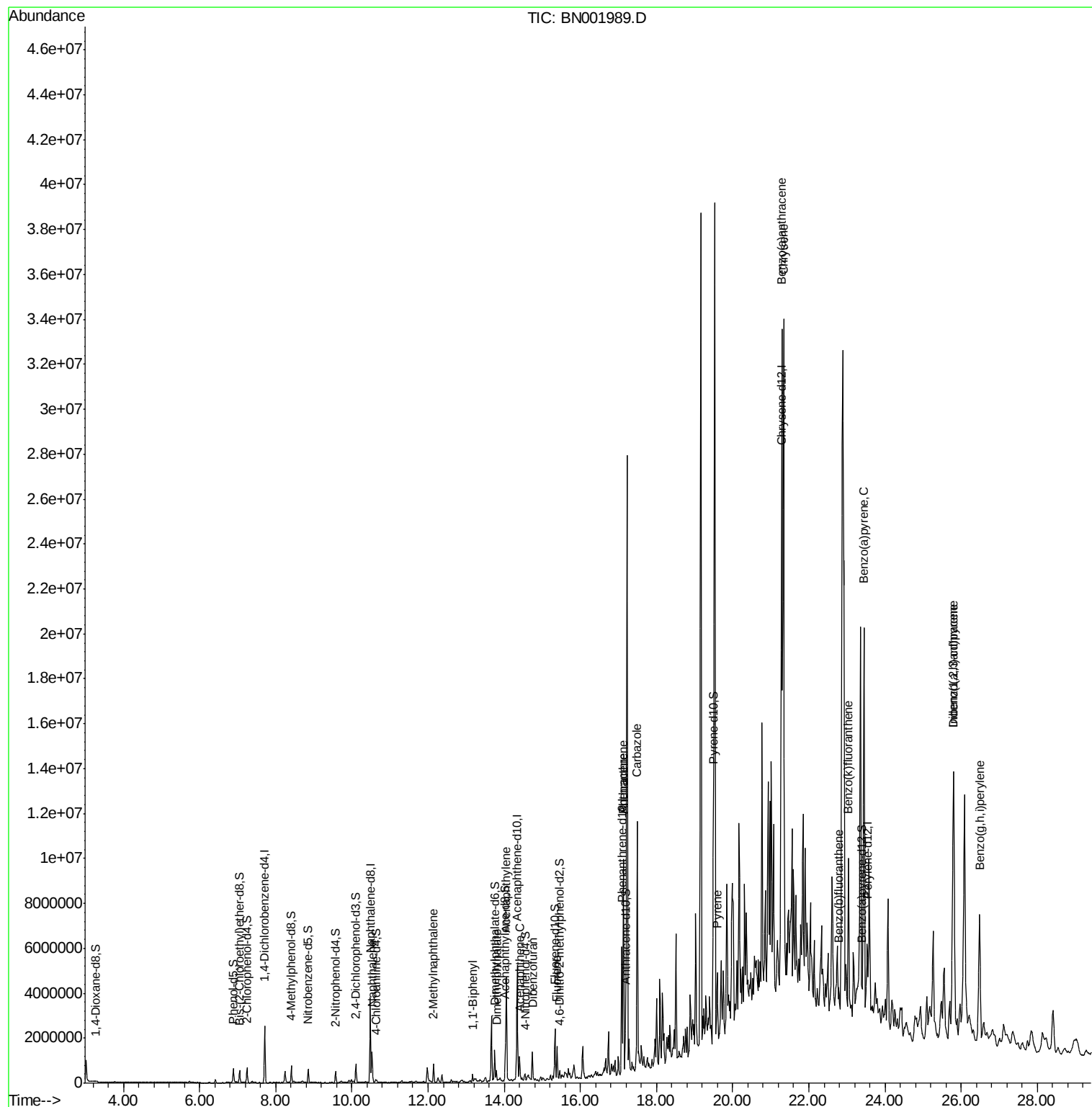
					Ovalue	
28) Naphthalene	10.53	128	1126443	6.963	ng/ul	98
34) 2-Methylnaphthalene	12.15	142	387488	3.302	ng/ul	98
40) 1,1'-Biphenyl	13.17	154	160012	1.141	ng/ul#	94
44) Dimethylphthalate	13.80	163	209850	1.498	ng/ul	99
47) Acenaphthylene	14.06	152	3433041	20.211	ng/ul	99
49) Acenaphthene	14.40	153	411513	3.492	ng/ul	99
53) Dibenzofuran	14.73	168	802725	4.749	ng/ul	96
58) Fluorene	15.39	166	676021	5.012	ng/ul	100
69) Phenanthrene	17.13	178	5780467	30.971	ng/ul	99
71) Anthracene	17.13	178	5780467	30.597	ng/ul	99
72) Carbazole	17.49	167	7138948	45.110	ng/ul	97
77) Pyrene	19.59	202	141398	1.149	ng/ul#	39
80) Benzo(a)anthracene	21.28	228	14948353	120.243	ng/ul#	79
82) Chrysene	21.33	228	18328500	158.454	ng/ul#	86
85) Benzo(b)fluoranthene	22.79	252	153639	1.043	ng/ul#	1
86) Benzo(k)fluoranthene	23.04	252	4383892	30.702	ng/ul#	86
88) Benzo(a)pyrene	23.45	252	11890096	86.410	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	25.80	276	10541939	71.999	ng/ul#	91
90) Dibenzo(a,h)anthracene	25.80	278	2972923	24.397	ng/ul#	86
91) Benzo(g,h,i)perylene	26.49	276	6997505	57.936	ng/ul#	91

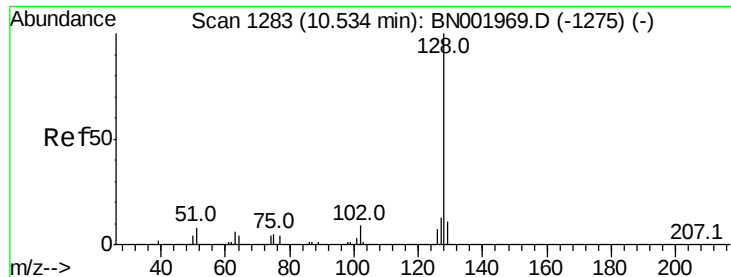
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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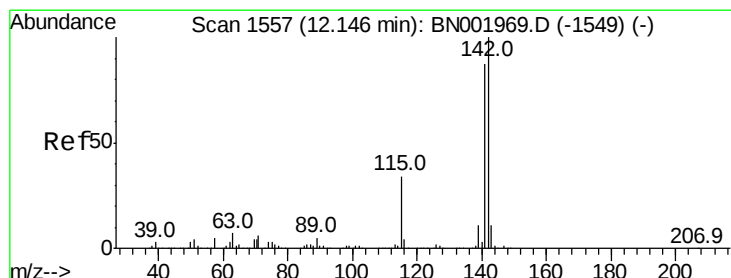
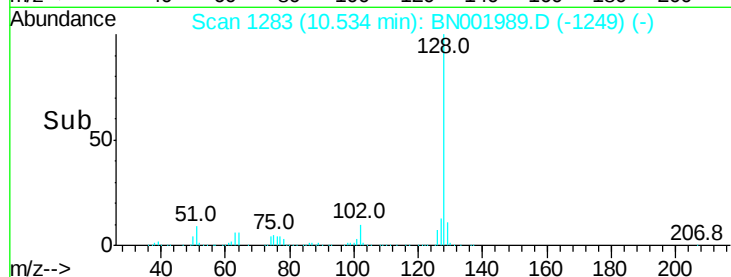
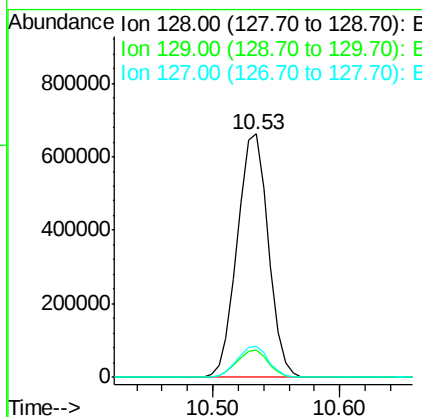
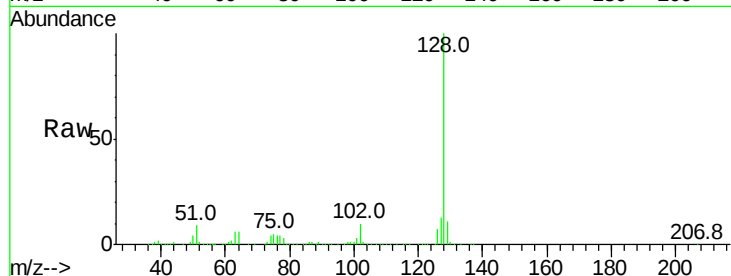




#28
Naphthalene
Concen: 6.963 ng/ul
RT: 10.53 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BN001989.D
Acq: 06 Jul 2018 14:39

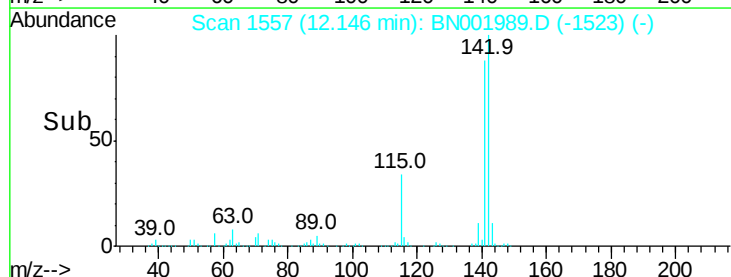
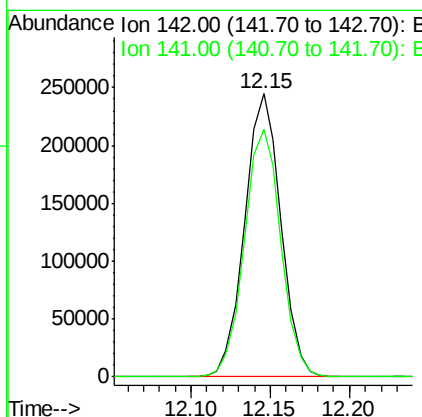
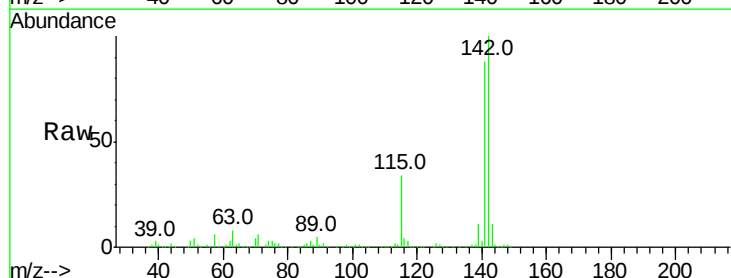
Instrument :
BNA_N
ClientSampleId :

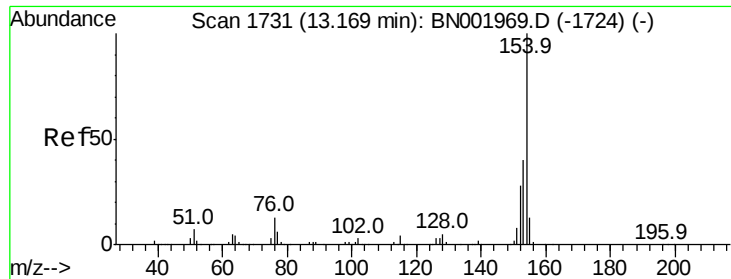
Tot Ion:128 Resp: 1126443
Ion Ratio Lower Upper
128 100
129 11.1 8.3 12.5
127 12.9 10.8 16.2



#34
2-Methylnaphthalene
Concen: 3.302 ng/ul
RT: 12.15 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BN001989.D
Acq: 06 Jul 2018 14:39

Tgt Ion:142 Resp: 387488
Ion Ratio Lower Upper
142 100
141 87.7 71.4 107.2





#40

1,1'-Biphenyl

Concen: 1.141 ng/ul

RT: 13.17 min Scan# 1731

Delta R.T. 0.00 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

Instrument :

BNA_N

ClientSampleId :

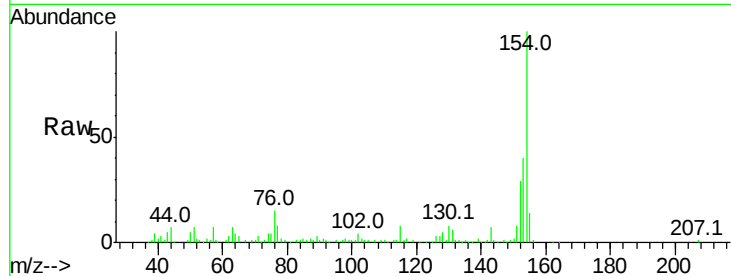
Tot Ion:154 Resp: 160012

Ion Ratio Lower Upper

154 100

153 39.8 34.0 51.0

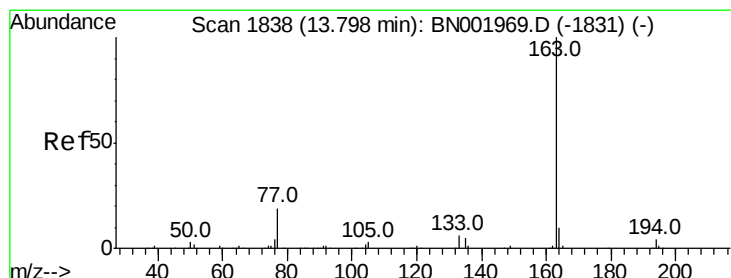
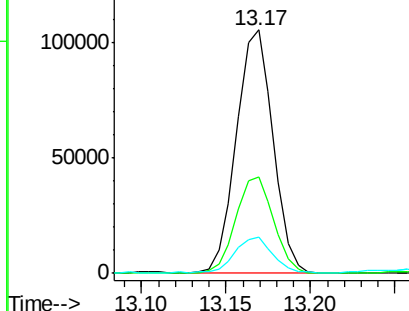
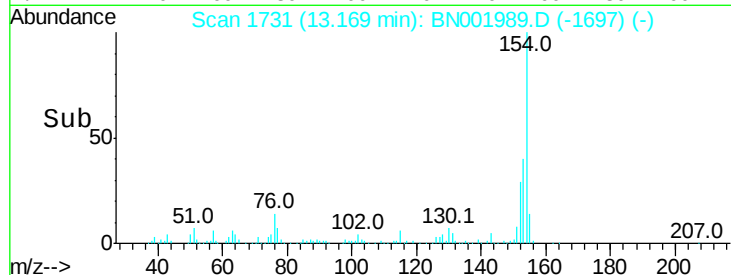
76 14.8 8.4 12.6#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNC



#44

Dimethylphthalate

Concen: 1.498 ng/ul

RT: 13.80 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

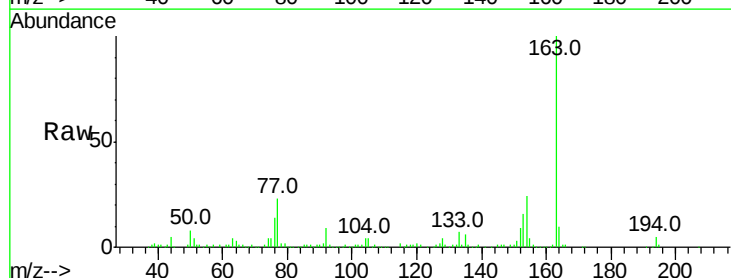
Tgt Ion:163 Resp: 209850

Ion Ratio Lower Upper

163 100

194 4.7 4.0 6.0

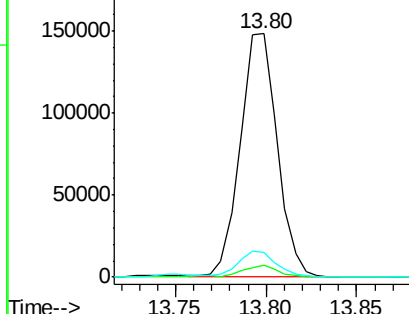
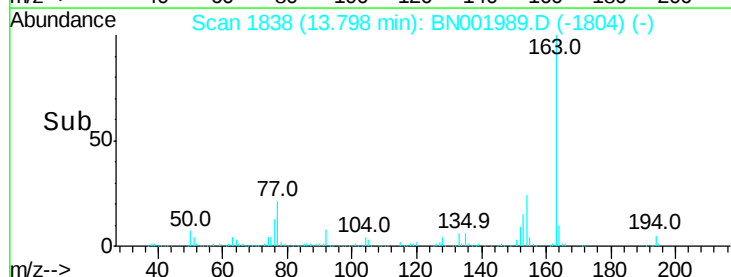
164 10.3 8.4 12.6

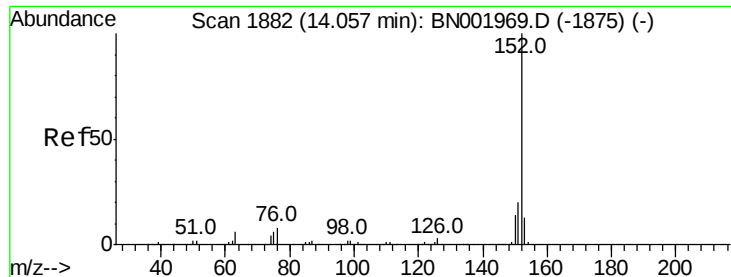


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 20.211 ng/ul

RT: 14.06 min Scan# 1882

Delta R.T. 0.00 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

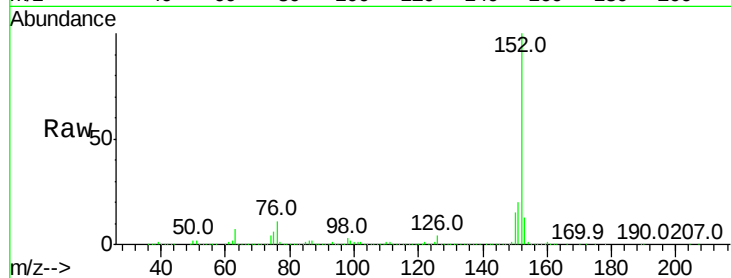
Instrument :

BNA_N

ClientSampled :

Tot Ion:152 Resp: 3433041

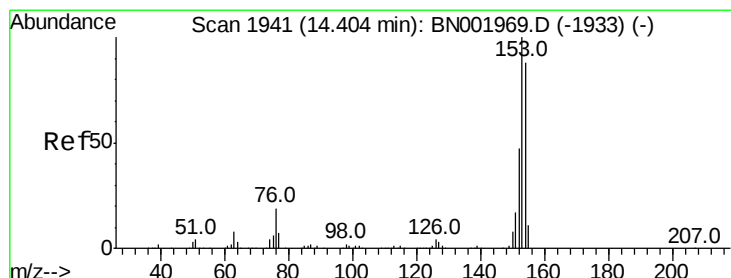
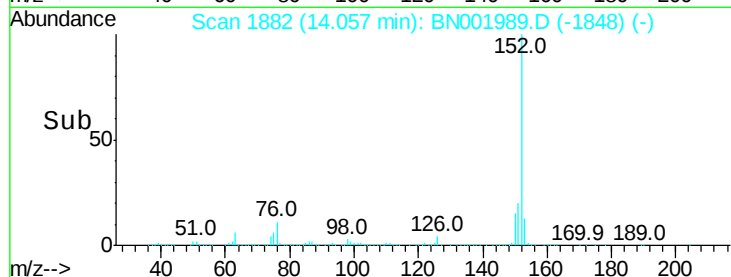
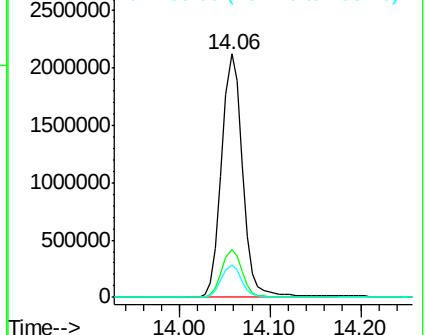
Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.1	24.1
153	13.2	10.8	16.2



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



#49

Acenaphthene

Concen: 3.492 ng/ul

RT: 14.40 min Scan# 1940

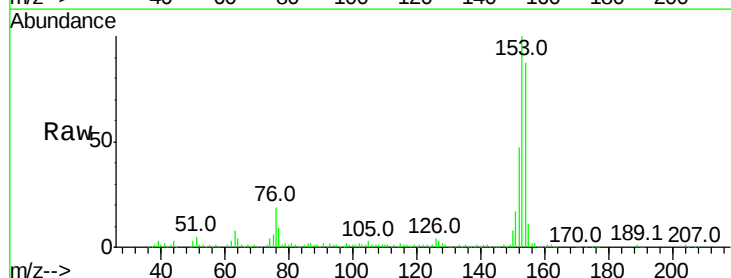
Delta R.T. -0.01 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

Tgt Ion:153 Resp: 411513

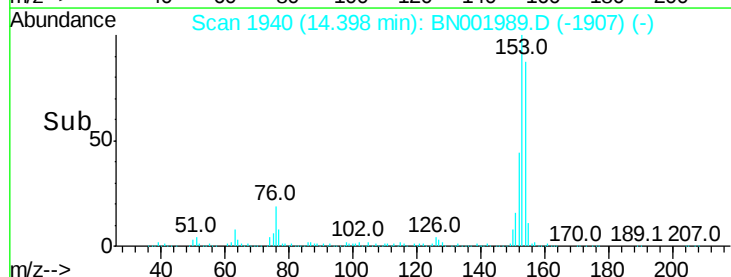
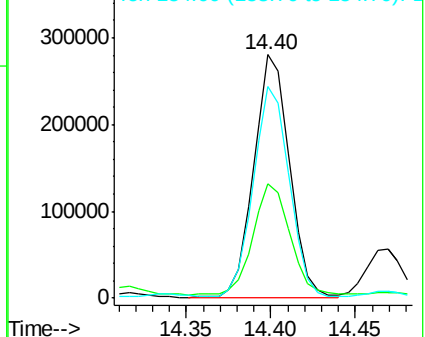
Ion	Ratio	Lower	Upper
153	100		
152	46.9	37.9	56.9
154	86.8	69.8	104.6

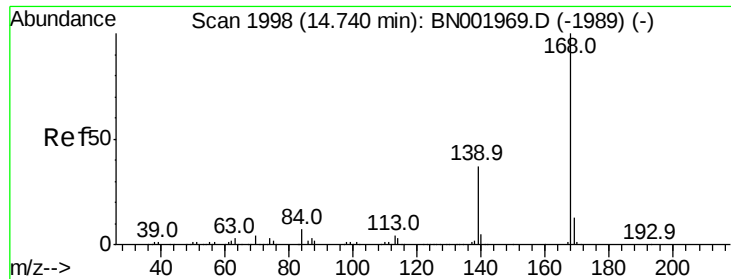


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 4.749 ng/ul

RT: 14.73 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

Instrument :

BNA_N

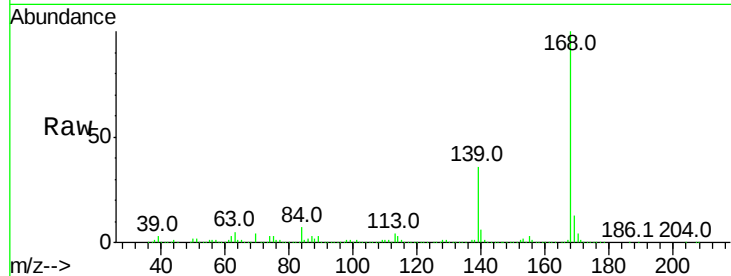
ClientSampled :

Tot Ion:168 Resp: 802725

Ion Ratio Lower Upper

168 100

139 36.2 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.73

600000

500000

400000

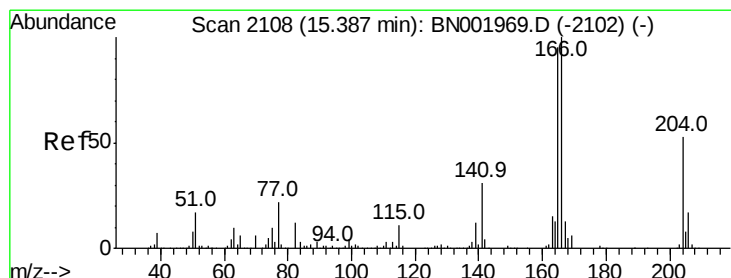
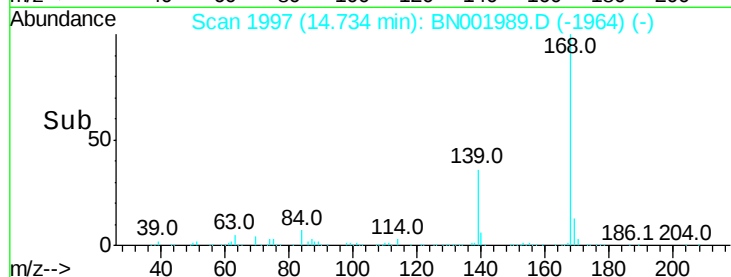
300000

200000

100000

0

Time-->



#58

Fluorene

Concen: 5.012 ng/ul

RT: 15.39 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

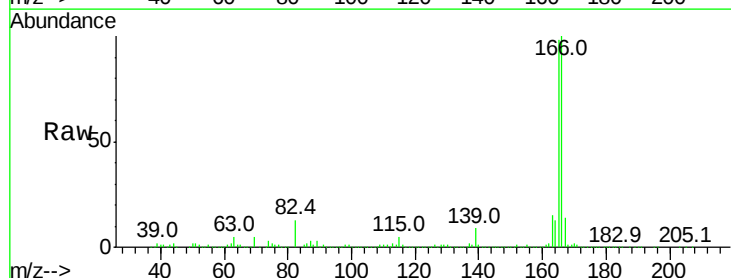
Tgt Ion:166 Resp: 676021

Ion Ratio Lower Upper

166 100

165 98.0 78.4 117.6

167 14.1 11.1 16.7



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

15.39

600000

500000

400000

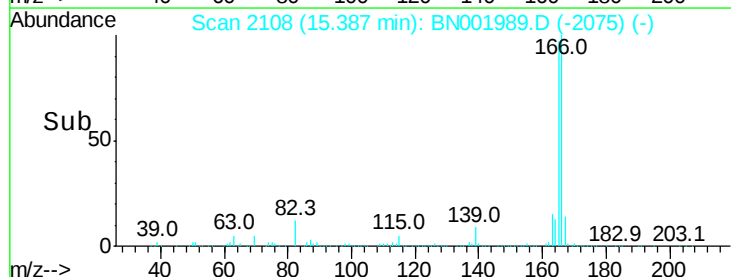
300000

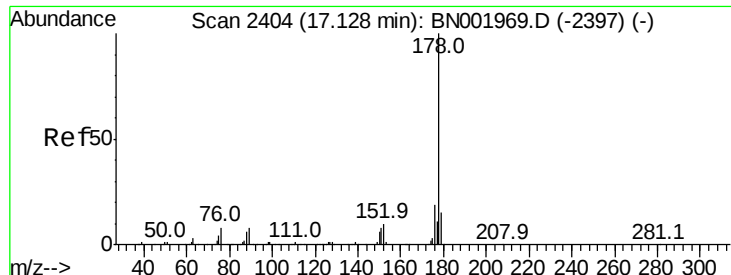
200000

100000

0

Time-->





#69

Phenanthrene

Concen: 30.971 ng/ul

RT: 17.13 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

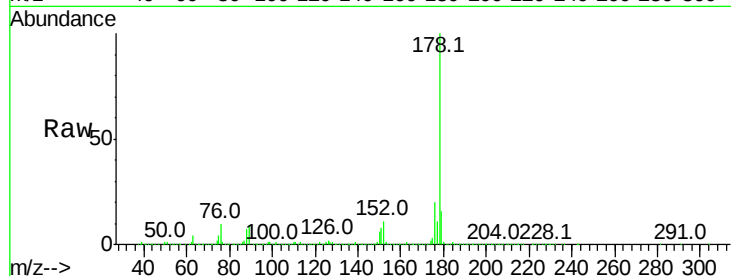
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 5780467

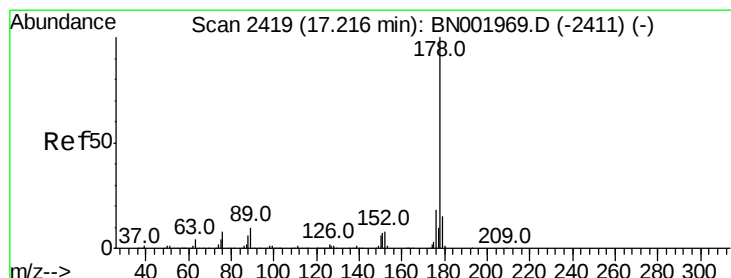
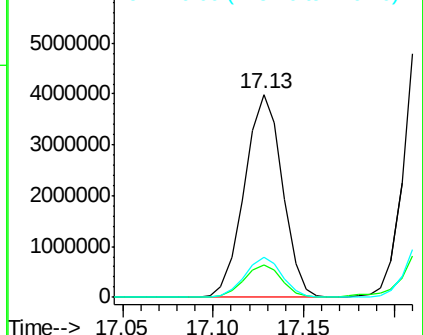
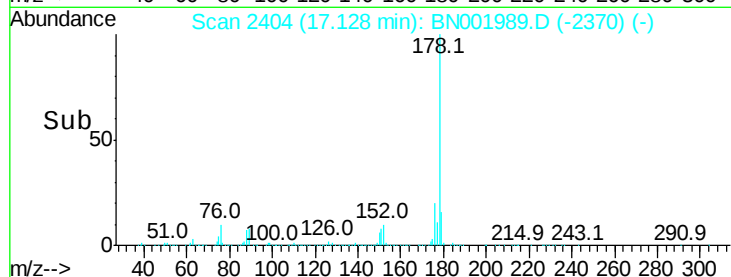
Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.3	18.5
176	19.5	15.4	23.0



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



#71

Anthracene

Concen: 30.597 ng/ul

RT: 17.13 min Scan# 2404

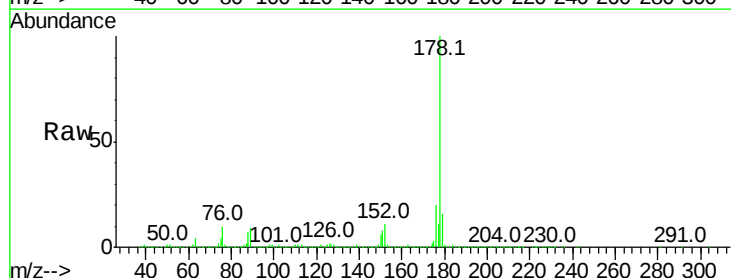
Delta R.T. -0.09 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

Tgt Ion:178 Resp: 5780467

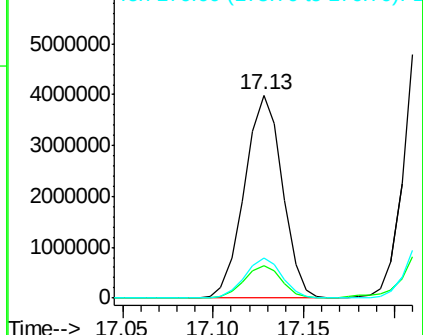
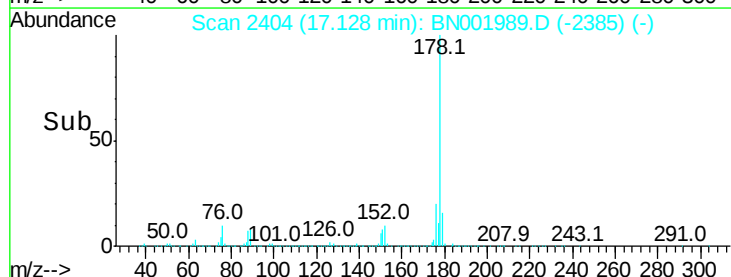
Ion	Ratio	Lower	Upper
178	100		
179	16.0	13.4	20.2
176	19.5	15.4	23.0

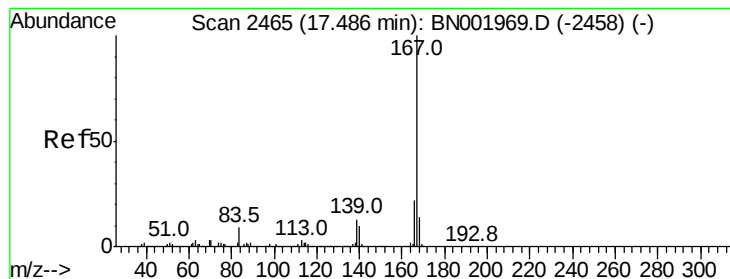


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 45.110 ng/ul

RT: 17.49 min Scan# 2466

Delta R.T. 0.01 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

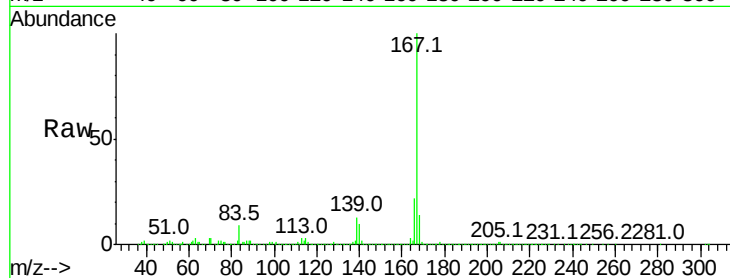
Instrument :

BNA_N

ClientSampleId :

Tot Ion:167 Resp: 7138948

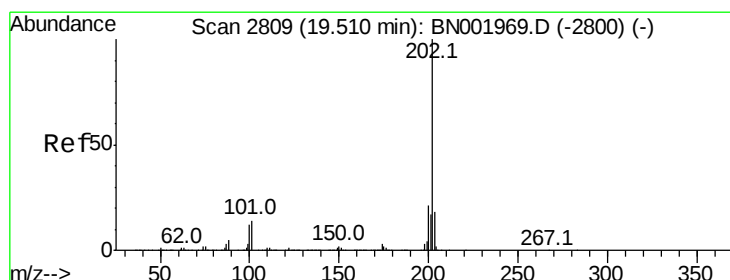
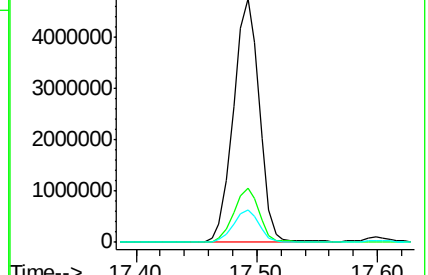
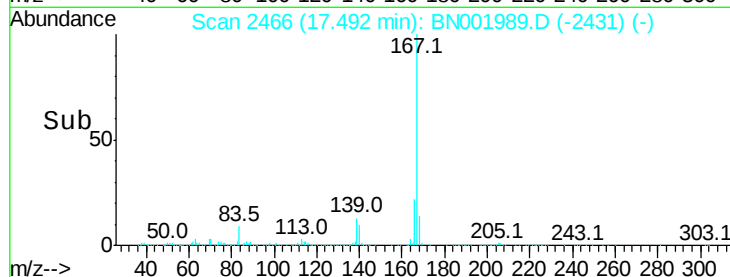
Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.0	25.4
139	13.2	9.1	13.7



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#77

Pyrene

Concen: 1.149 ng/ul

RT: 19.59 min Scan# 2823

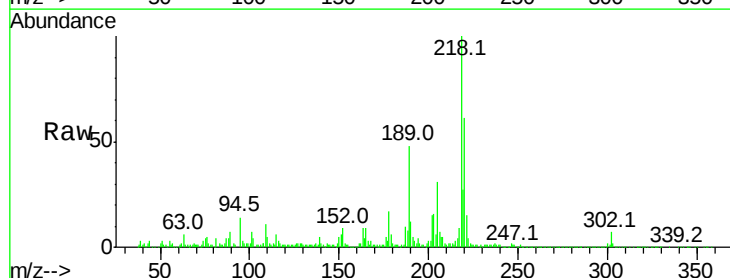
Delta R.T. 0.08 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

Tgt Ion:202 Resp: 141398

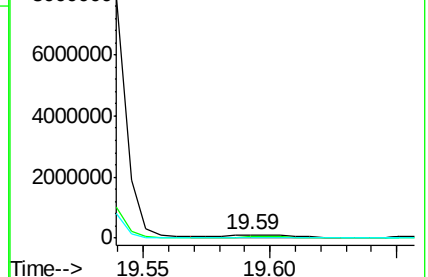
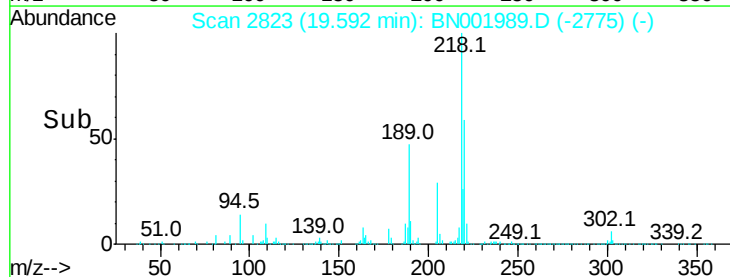
Ion	Ratio	Lower	Upper
202	100		
101	43.0	6.9	10.3#
100	13.3	5.6	8.4#

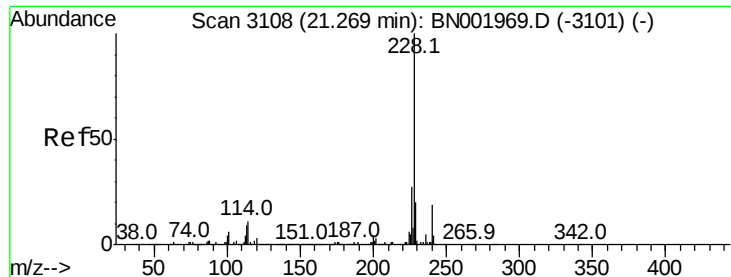


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

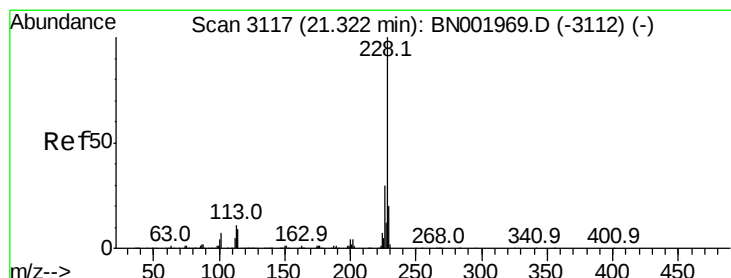
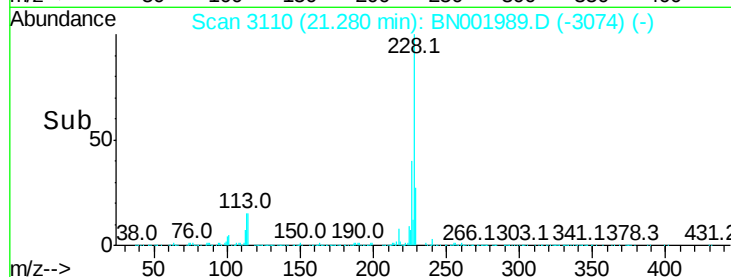
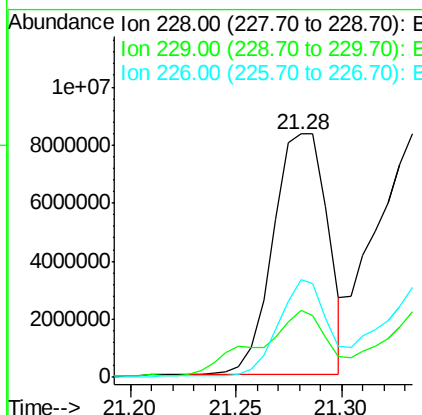
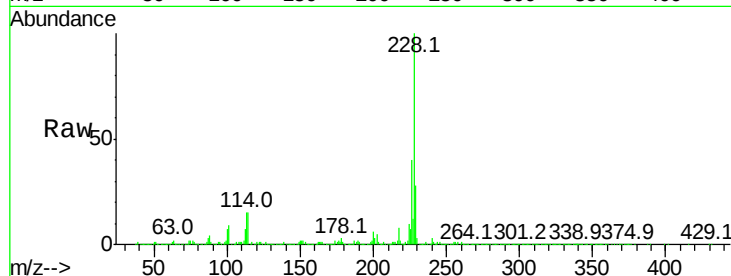




#80
Benzo(a)anthracene
Concen: 120.243 ng/ul
RT: 21.28 min Scan# 3110
Delta R.T. 0.01 min
Lab File: BN001989.D
Acq: 06 Jul 2018 14:39

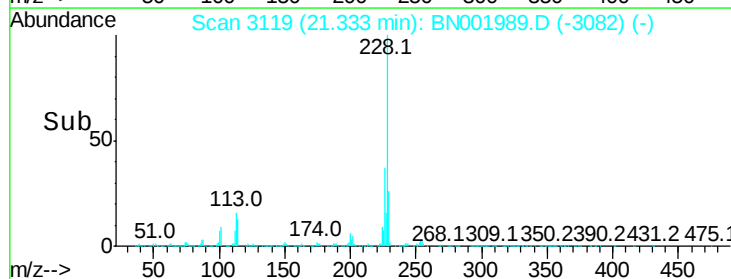
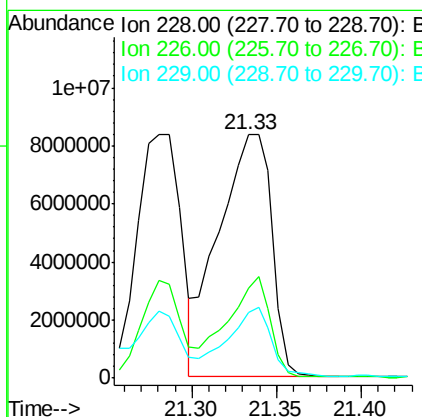
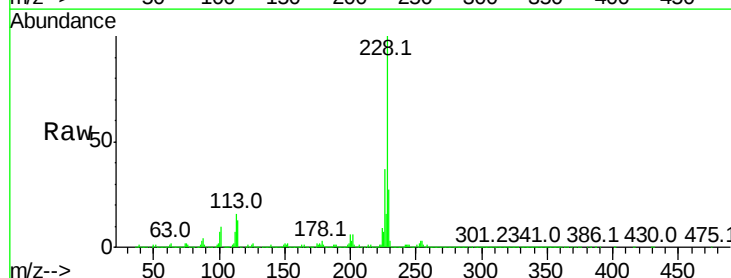
Instrument :
BNA_N
ClientSampled :

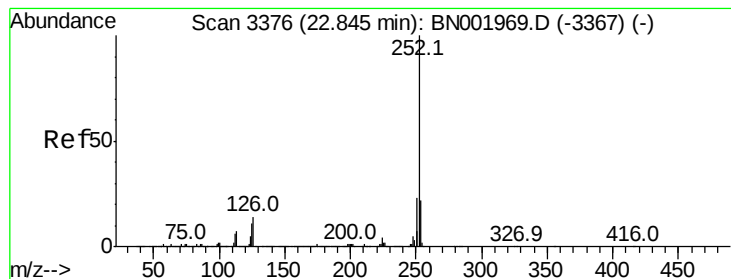
Tot Ion:228 Resp:14948353
Ion Ratio Lower Upper
228 100
229 27.6 16.0 24.0#
226 40.4 21.8 32.8#



#82
Chrysene
Concen: 158.454 ng/ul
RT: 21.33 min Scan# 3119
Delta R.T. 0.02 min
Lab File: BN001989.D
Acq: 06 Jul 2018 14:39

Tgt Ion:228 Resp:18328500
Ion Ratio Lower Upper
228 100
226 37.1 24.1 36.1#
229 26.9 16.0 24.0#





#85

Benzo(b)fluoranthene

Concen: 1.043 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. -0.06 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

Instrument :

BNA_N

ClientSampleId :

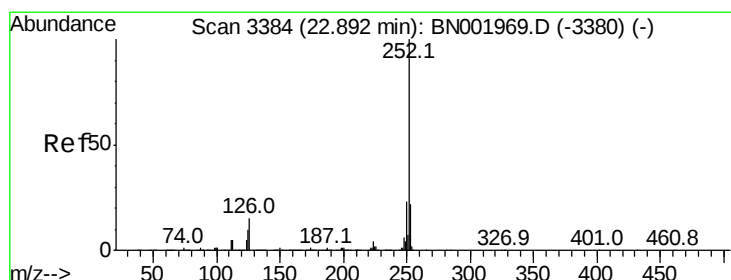
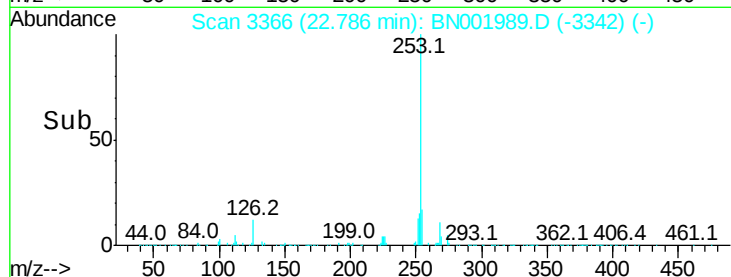
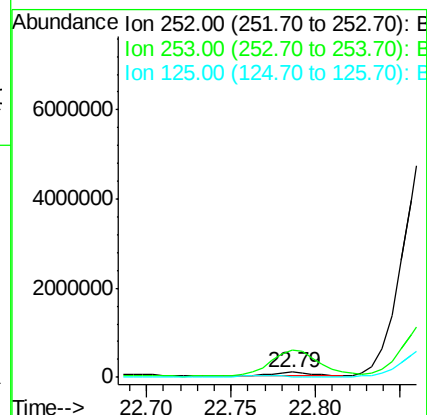
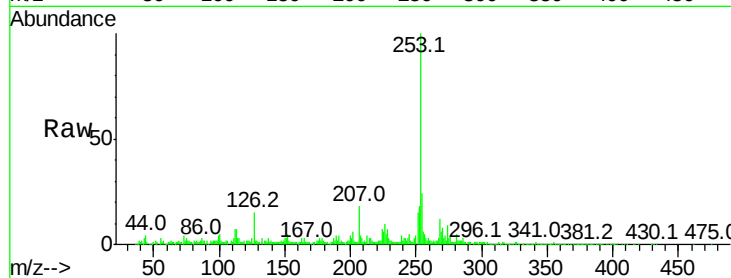
Tot Ion:252 Resp: 153639

Ion Ratio Lower Upper

252 100

253 543.2 17.4 26.0#

125 19.0 4.9 7.3#



#86

Benzo(k)fluoranthene

Concen: 30.702 ng/ul

RT: 23.04 min Scan# 3409

Delta R.T. 0.15 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

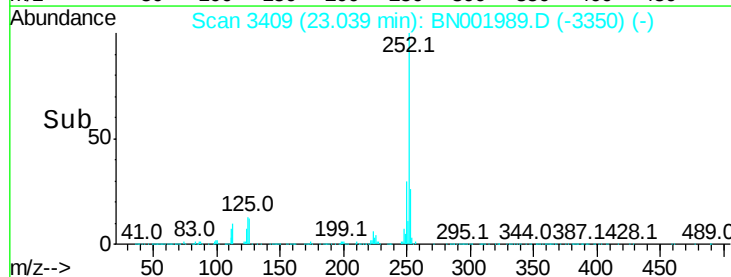
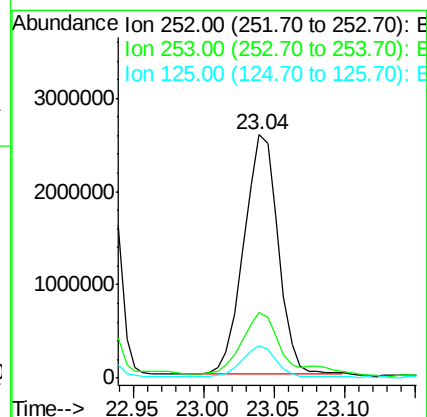
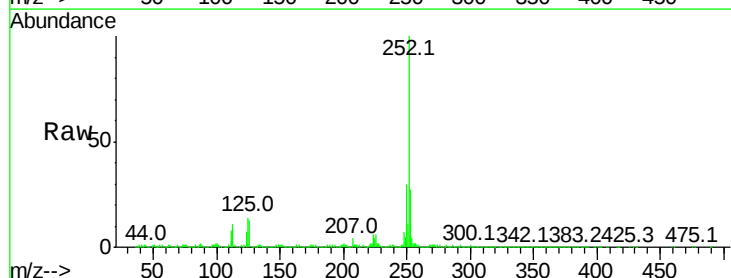
Tgt Ion:252 Resp: 4383892

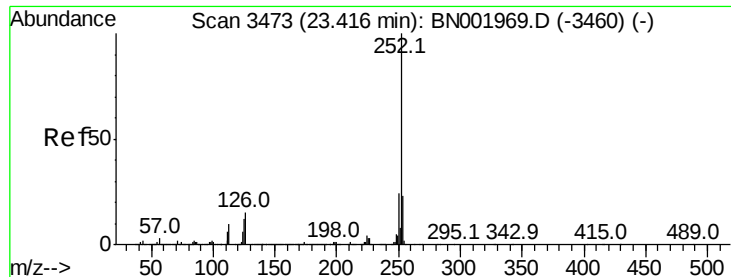
Ion Ratio Lower Upper

252 100

253 27.0 17.1 25.7#

125 13.6 5.4 8.0#





#88

Benzo(a)pyrene

Concen: 86.410 ng/ul

RT: 23.45 min Scan# 3479

Delta R.T. 0.04 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

Instrument :

BNA_N

ClientSampleId :

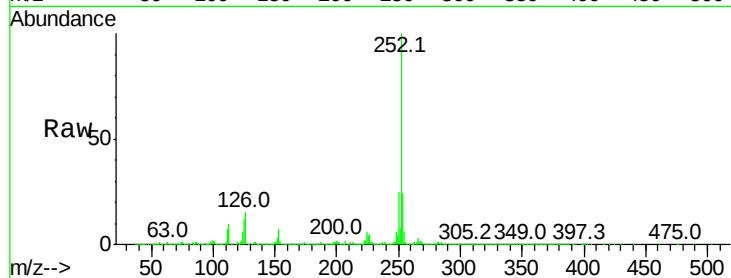
Tot Ion:252 Resp:11890096

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.2	25.8
125	12.2	5.8	8.6

252 100

253 24.0 17.2 25.8

125 12.2 5.8 8.6

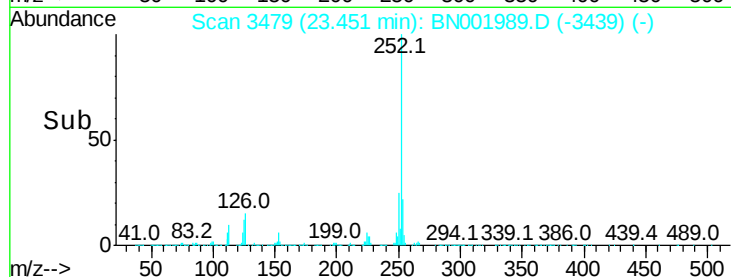


Abundance Ion 252.00 (251.70 to 252.70): E

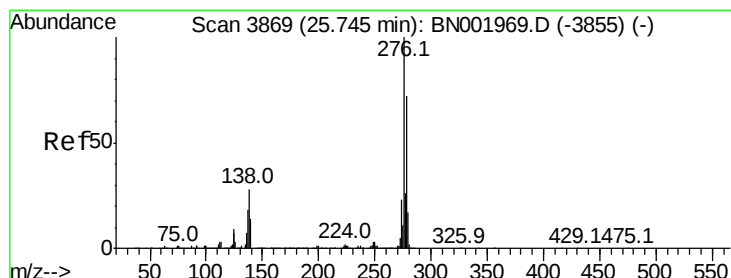
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

23.45



Time-->



#89

Indeno(1,2,3-cd)pyrene

Concen: 71.999 ng/ul

RT: 25.80 min Scan# 3878

Delta R.T. 0.05 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

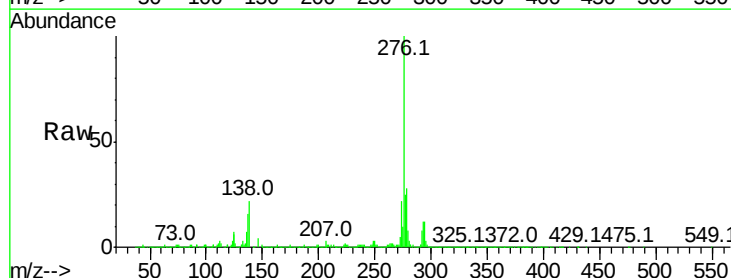
Tgt Ion:276 Resp:10541939

Ion	Ratio	Lower	Upper
276	100		
138	22.1	10.9	16.3
277	24.8	18.9	28.3

276 100

138 22.1 10.9 16.3

277 24.8 18.9 28.3

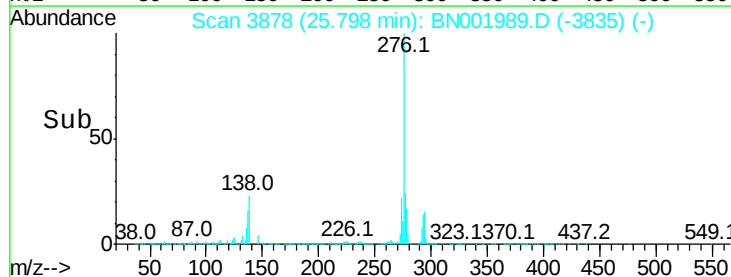


Abundance Ion 276.00 (275.70 to 276.70): E

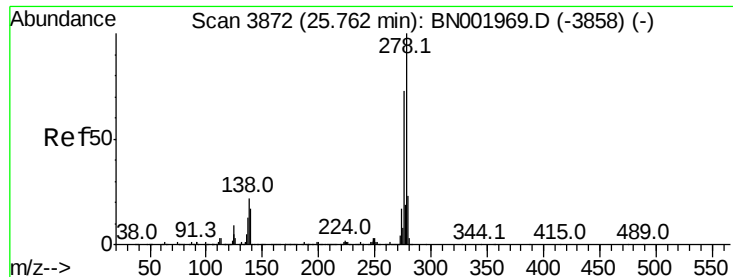
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

25.80



Time-->



#90

Dibenzo(a,h)anthracene

Concen: 24.397 ng/ul

RT: 25.80 min Scan# 3878

Delta R.T. 0.04 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

Instrument :

BNA_N

ClientSampleId :

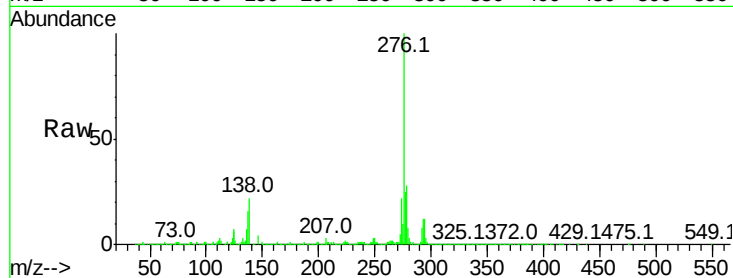
Tot Ion:278 Resp: 2972923

Ion Ratio Lower Upper

278 100

139 0.0 9.0 13.4#

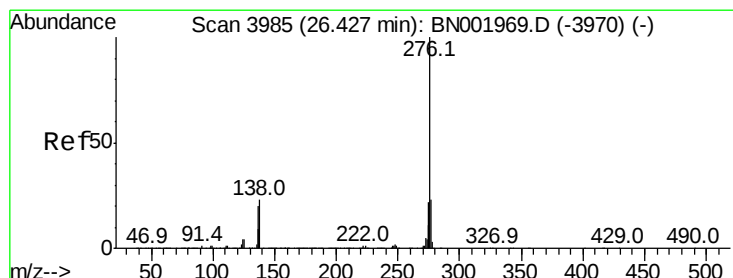
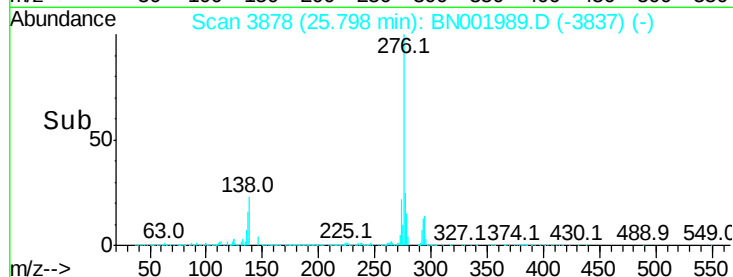
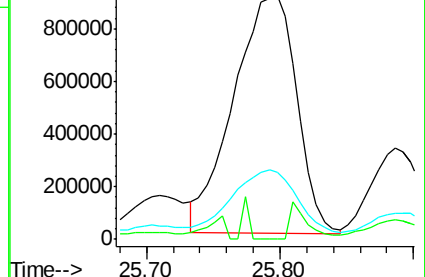
279 27.3 19.1 28.7



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



#91

Benzo(g,h,i)perylene

Concen: 57.936 ng/ul

RT: 26.49 min Scan# 3995

Delta R.T. 0.06 min

Lab File: BN001989.D

Acq: 06 Jul 2018 14:39

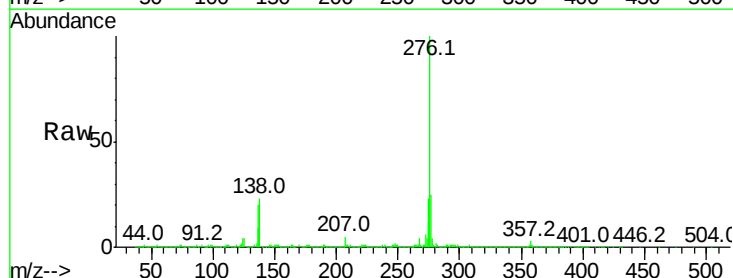
Tgt Ion:276 Resp: 6997505

Ion Ratio Lower Upper

276 100

138 22.8 11.2 16.8#

277 24.7 19.0 28.6



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

