

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
 Data File : BN001991.D
 Acq On : 06 Jul 2018 15:56
 Operator : JU/SJ
 Sample : J3765-08DL 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 06 23:08:40 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	636128	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	2861744	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	1616229	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	3404376	20.00	ng/ul	0.00
75) Chrysene-d12	21.29	240	2431290	20.00	ng/ul	0.00
83) Perylene-d12	23.52	264	2269011	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	30976	2.11	ng/uL	0.00
5) Phenol-d5	6.89	99	798444	13.87	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	484725	13.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	640296	14.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	639466	13.87	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	322287	15.16	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	361636	16.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	652926	13.90	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	658430	13.54	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	1934211	14.17	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	2456281	14.58	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	297274	11.82	ng/ul	0.00
57) Fluorene-d10	15.33	176	1667645	13.94	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	238067	12.84	ng/ul	0.00
70) Anthracene-d10	17.19	188	2422831	14.73	ng/ul	0.00
76) Pyrene-d10	19.48	212	2313009	18.87	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.38	264	1781859	14.44	ng/ul	0.01

Target Compounds

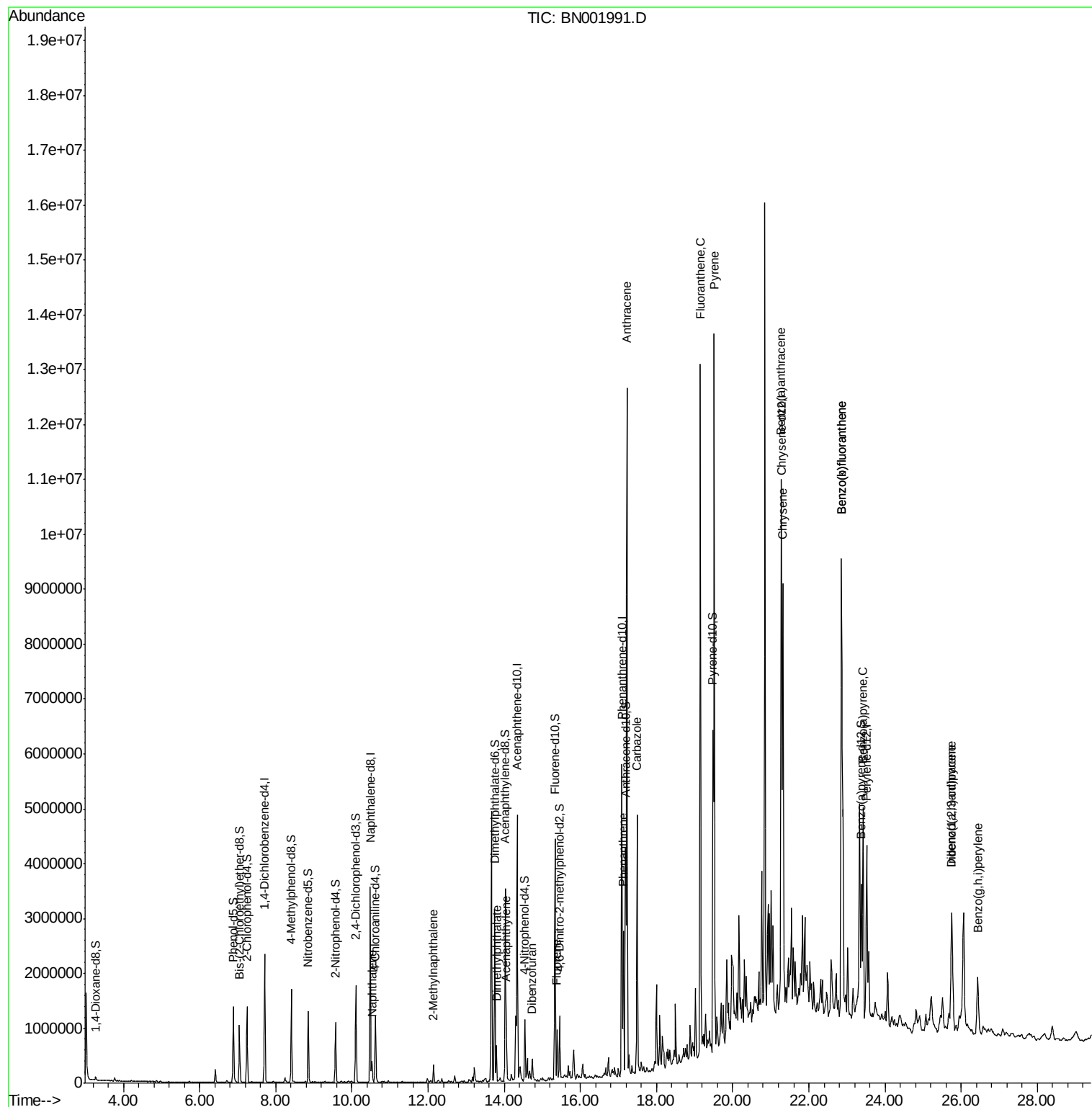
					Ovalue	
28) Naphthalene	10.53	128	295689	1.947	ng/ul	99
34) 2-Methylnaphthalene	12.15	142	147336	1.338	ng/ul	96
44) Dimethylphthalate	13.80	163	403811	3.010	ng/ul	98
47) Acenaphthylene	14.06	152	644328	3.962	ng/ul	99
53) Dibenzofuran	14.73	168	262267	1.620	ng/ul	94
58) Fluorene	15.39	166	388712	3.010	ng/ul	99
69) Phenanthrene	17.13	178	1598457	8.335	ng/ul	99
71) Anthracene	17.22	178	8127885	41.870	ng/ul	99
72) Carbazole	17.49	167	3006795	18.491	ng/ul	99
74) Fluoranthene	19.15	202	7340288	36.413	ng/ul#	89
77) Pyrene	19.52	202	7716253	50.715	ng/ul#	86
80) Benzo(a)anthracene	21.27	228	4321414	28.124	ng/ul	96
82) Chrysene	21.32	228	4673060	32.686	ng/ul	99
85) Benzo(b)fluoranthene	22.86	252	6651702	46.415	ng/ul#	94
86) Benzo(k)fluoranthene	22.86	252	6651702	47.865	ng/ul#	94
88) Benzo(a)pyrene	23.43	252	2379607	17.769	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	25.75	276	1924963	13.508	ng/ul#	90
90) Dibenzo(a,h)anthracene	25.75	278	544447	4.591	ng/ul#	88
91) Benzo(g,h,i)perylene	26.43	276	1231751	10.479	ng/ul#	90

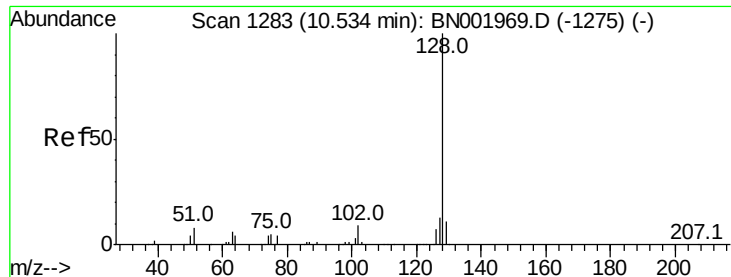
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 1.947 ng/ul

RT: 10.53 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BN001991.D

Acq: 06 Jul 2018 15:56

Instrument :

BNA_N

ClientSampleId :

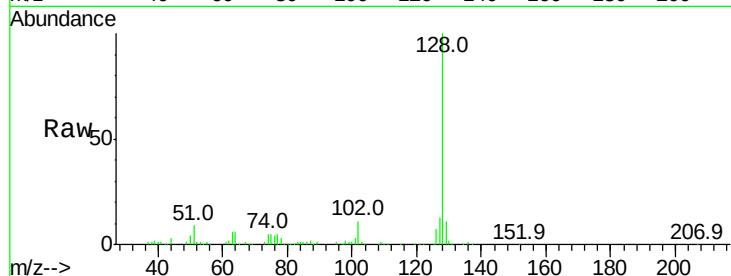
Tot Ion:128 Resp: 295689

Ion Ratio Lower Upper

128 100

129 10.9 8.3 12.5

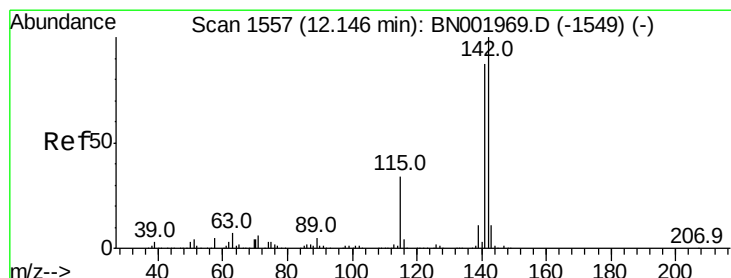
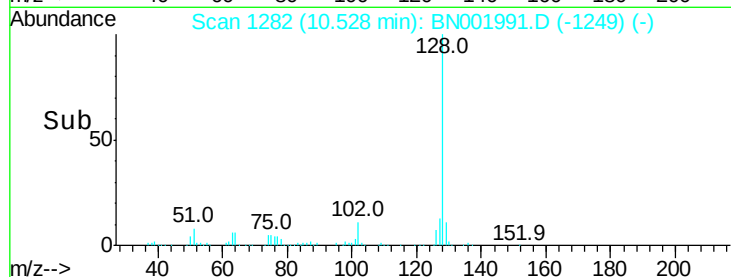
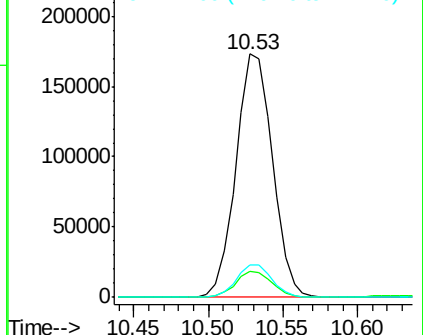
127 13.4 10.8 16.2



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



#34

2-Methylnaphthalene

Concen: 1.338 ng/ul

RT: 12.15 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BN001991.D

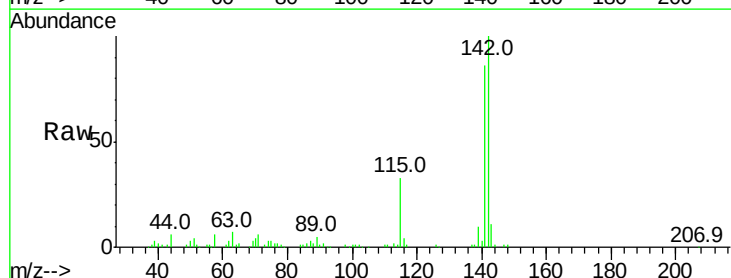
Acq: 06 Jul 2018 15:56

Tgt Ion:142 Resp: 147336

Ion Ratio Lower Upper

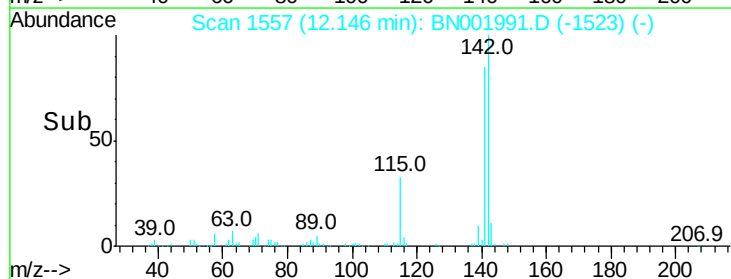
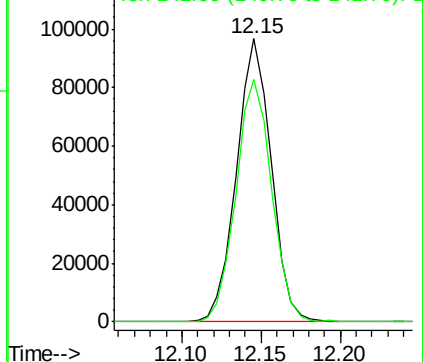
142 100

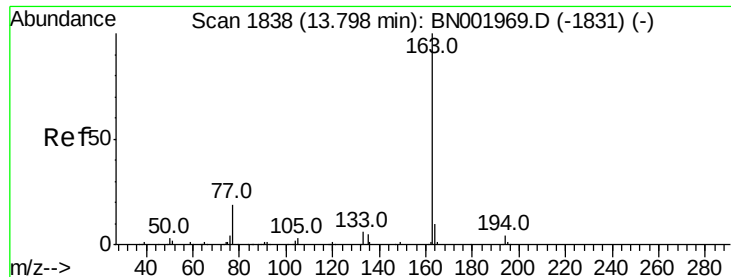
141 85.6 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 3.010 ng/ul

RT: 13.80 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BN001991.D

Acq: 06 Jul 2018 15:56

Instrument :

BNA_N

ClientSampleId :

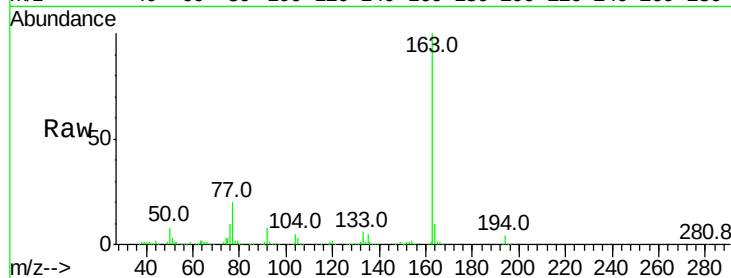
Tot Ion:163 Resp: 403811

Ion Ratio Lower Upper

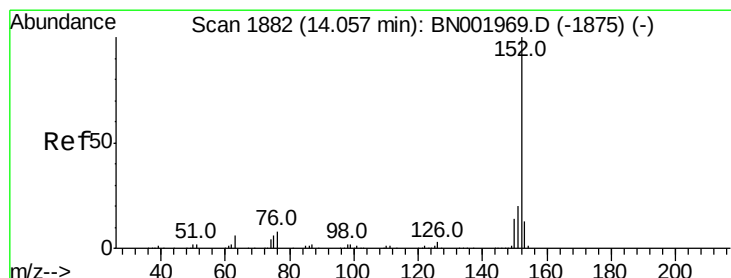
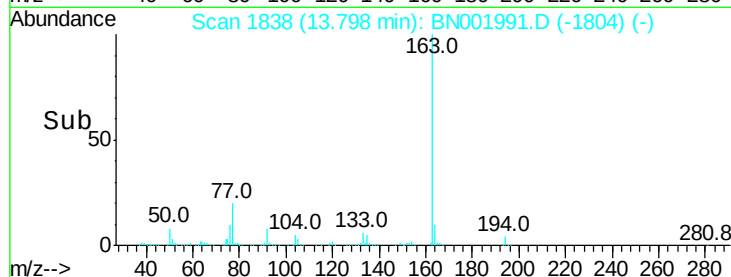
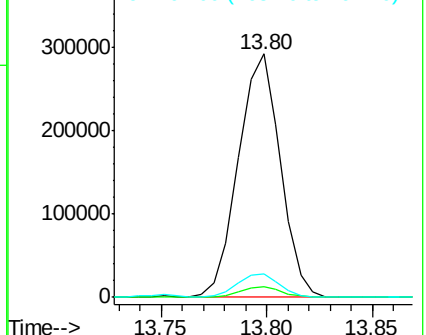
163 100

194 4.4 4.0 6.0

164 9.6 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: 3.962 ng/ul

RT: 14.06 min Scan# 1882

Delta R.T. 0.00 min

Lab File: BN001991.D

Acq: 06 Jul 2018 15:56

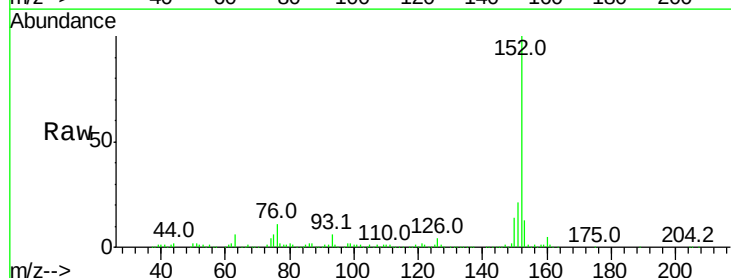
Tgt Ion:152 Resp: 644328

Ion Ratio Lower Upper

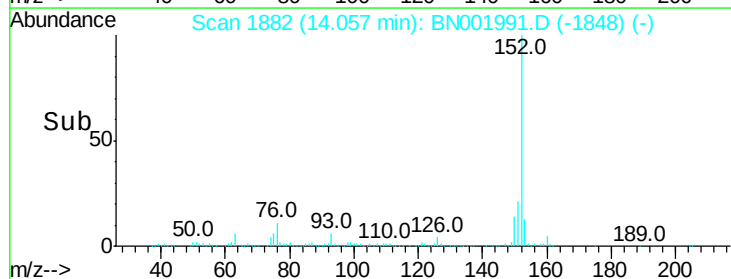
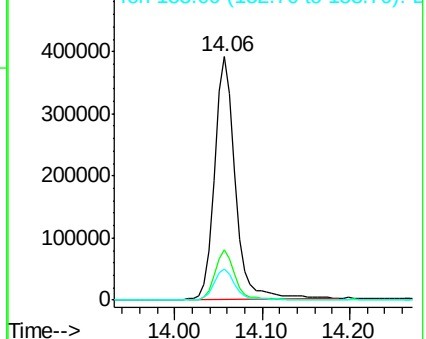
152 100

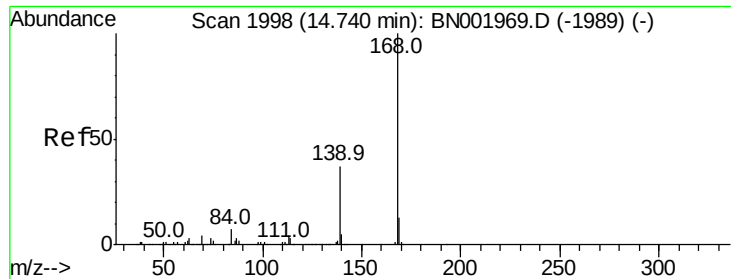
151 20.5 16.1 24.1

153 13.0 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





#53

Dibenzenofuran

Concen: 1.620 ng/ul

RT: 14.73 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BN001991.D

Acq: 06 Jul 2018 15:56

Instrument :

BNA_N

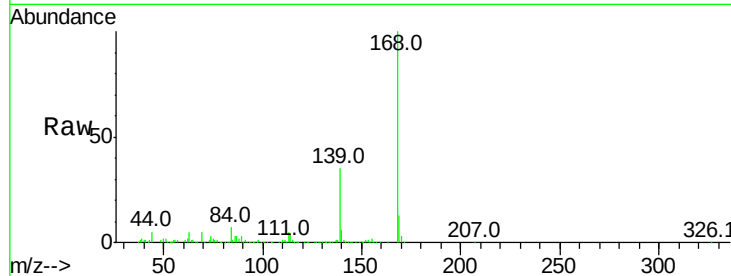
ClientSampleId :

Tot Ion:168 Resp: 262267

Ion Ratio Lower Upper

168 100

139 35.1 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

200000

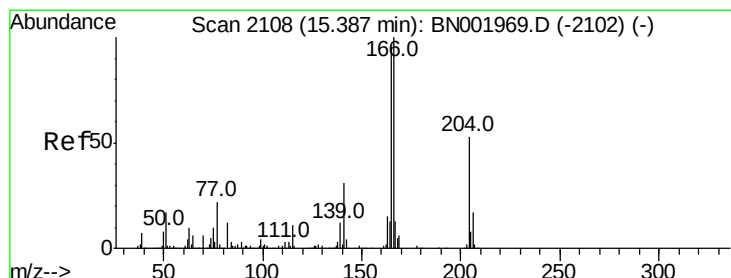
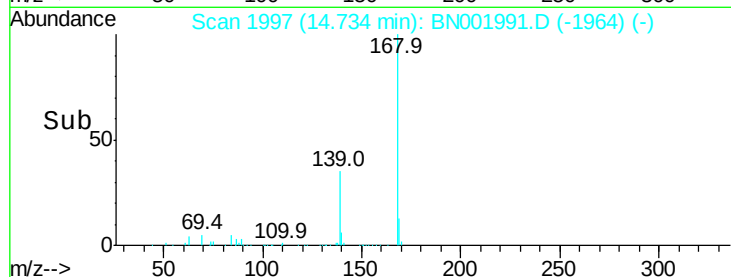
150000

100000

50000

0

Time--> 14.65 14.70 14.75 14.80



#58

Fluorene

Concen: 3.010 ng/ul

RT: 15.39 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BN001991.D

Acq: 06 Jul 2018 15:56

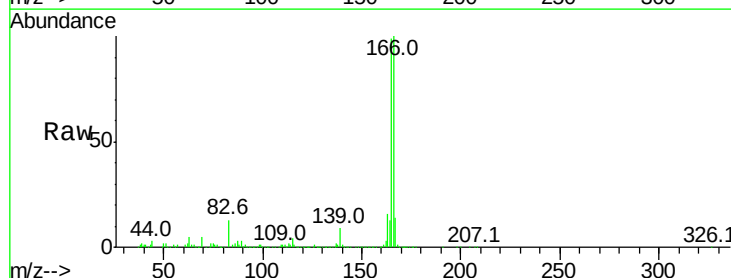
Tgt Ion:166 Resp: 388712

Ion Ratio Lower Upper

166 100

165 99.0 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

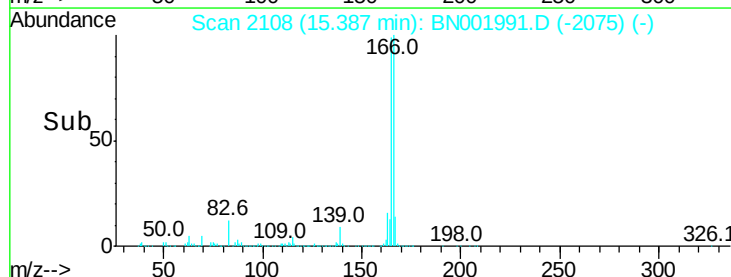
300000

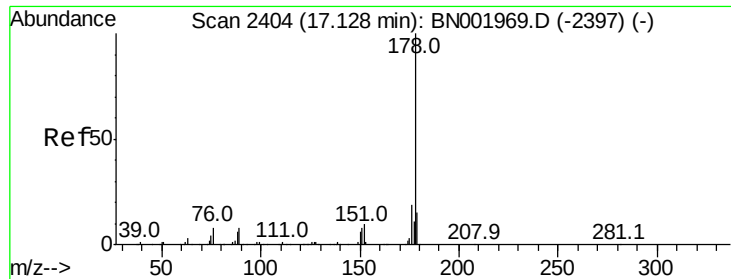
200000

100000

0

Time--> 15.35 15.40 15.45





#69

Phenanthrene

Concen: 8.335 ng/ul

RT: 17.13 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BN001991.D

Acq: 06 Jul 2018 15:56

Instrument :

BNA_N

ClientSampled :

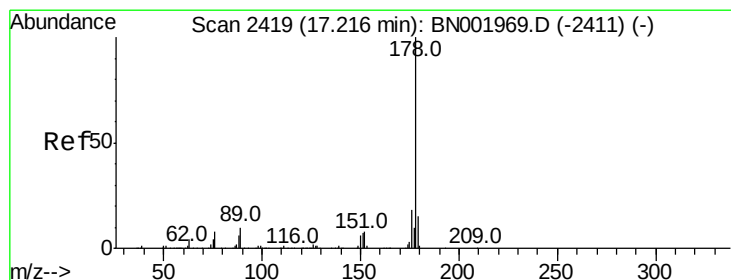
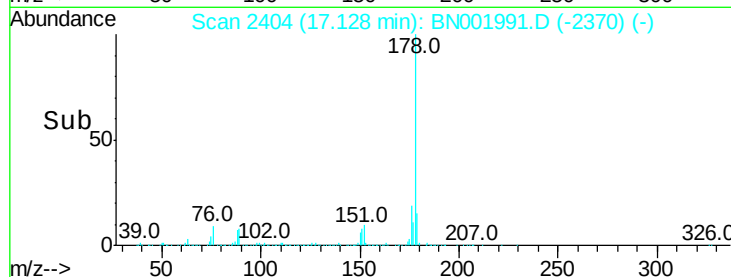
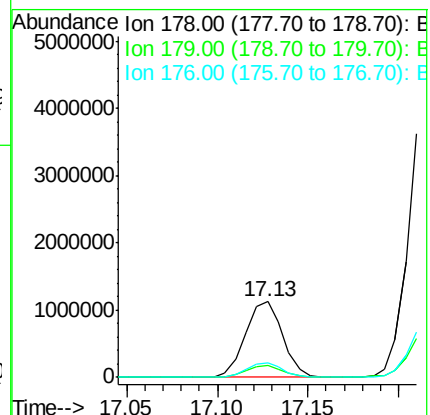
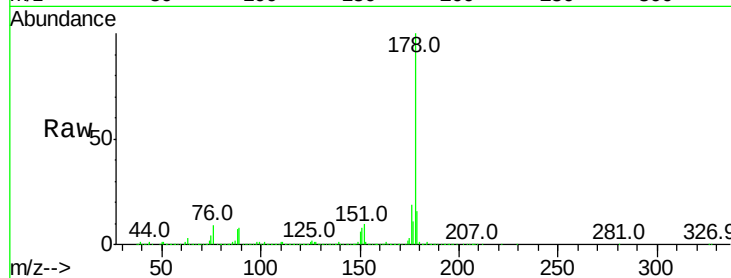
Tot Ion:178 Resp: 1598457

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

176 18.7 15.4 23.0



#71

Anthracene

Concen: 41.870 ng/ul

RT: 17.22 min Scan# 2420

Delta R.T. 0.01 min

Lab File: BN001991.D

Acq: 06 Jul 2018 15:56

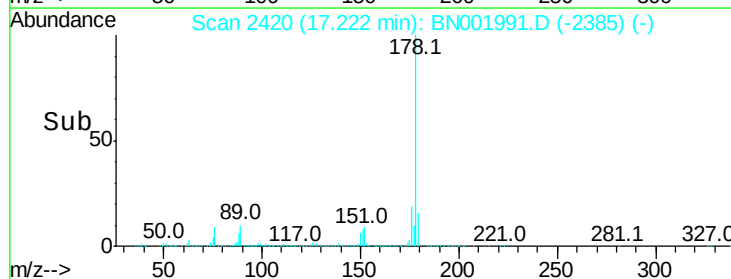
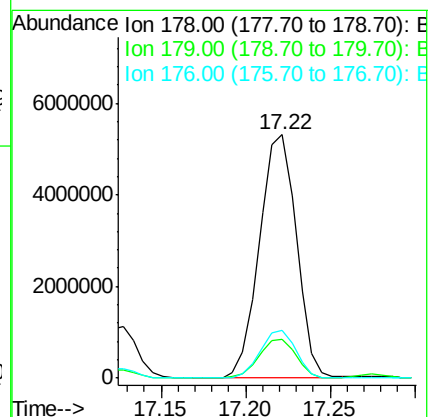
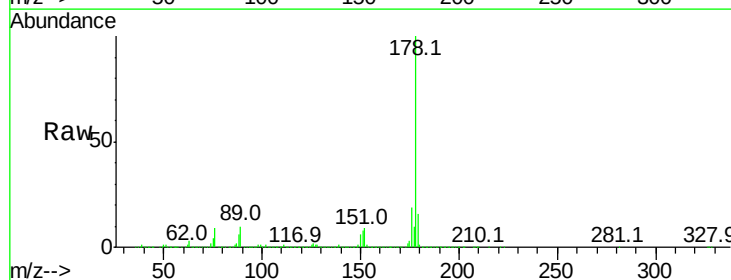
Tgt Ion:178 Resp: 8127885

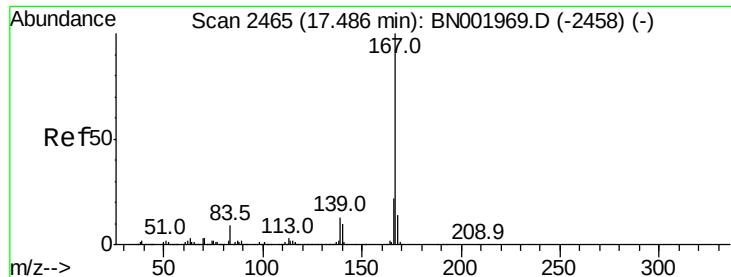
Ion Ratio Lower Upper

178 100

179 16.1 13.4 20.2

176 19.5 15.4 23.0





#72

Carbazole

Concen: 18.491 ng/ul

RT: 17.49 min Scan# 2465

Delta R.T. 0.00 min

Lab File: BN001991.D

Acq: 06 Jul 2018 15:56

Instrument :

BNA_N

ClientSampleId :

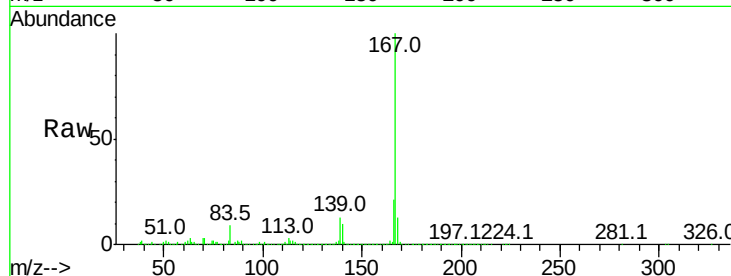
Tot Ion:167 Resp: 3006795

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.4
139	12.8	9.1	13.7

167 100

166 21.0 17.0 25.4

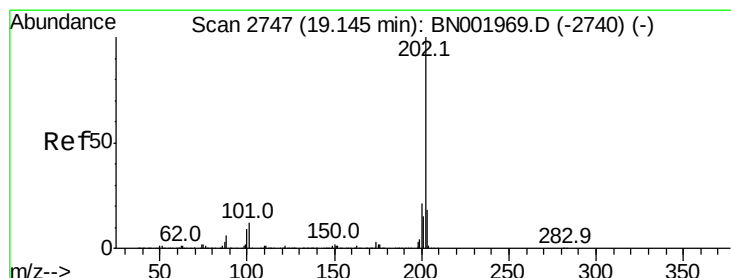
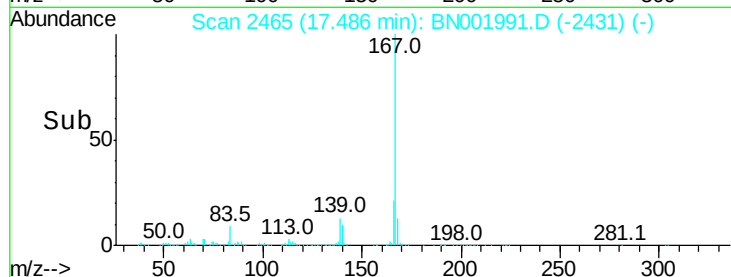
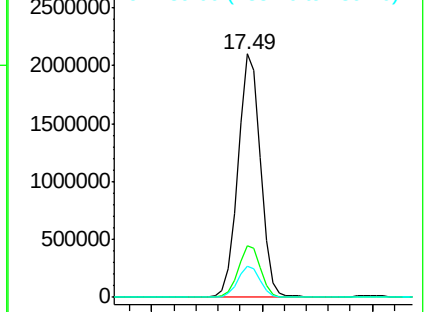
139 12.8 9.1 13.7



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



#74

Fluoranthene

Concen: 36.413 ng/ul

RT: 19.15 min Scan# 2748

Delta R.T. 0.01 min

Lab File: BN001991.D

Acq: 06 Jul 2018 15:56

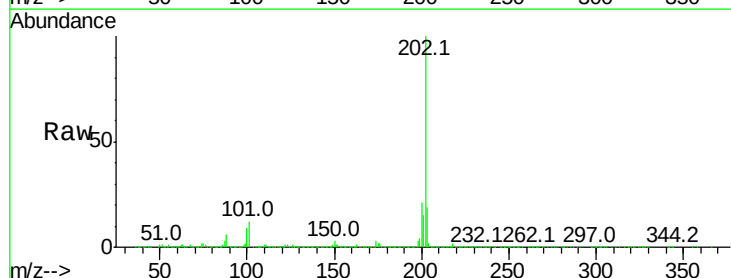
Tgt Ion:202 Resp: 7340288

Ion	Ratio	Lower	Upper
202	100		
101	11.7	6.1	9.1#
100	9.0	4.6	7.0#

202 100

101 11.7 6.1 9.1#

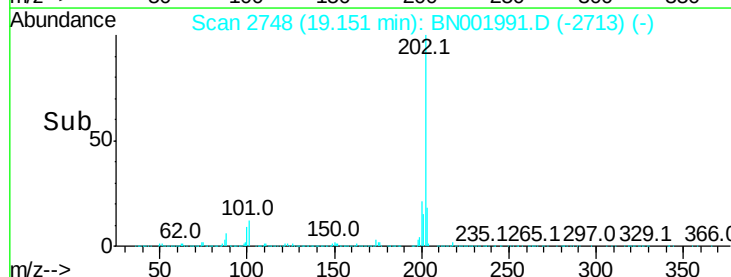
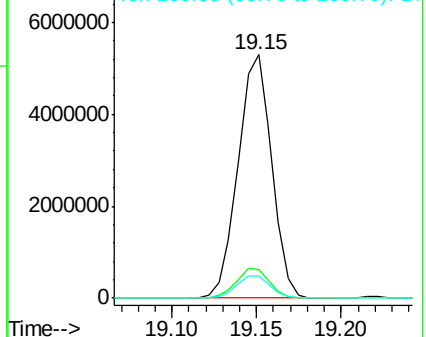
100 9.0 4.6 7.0#

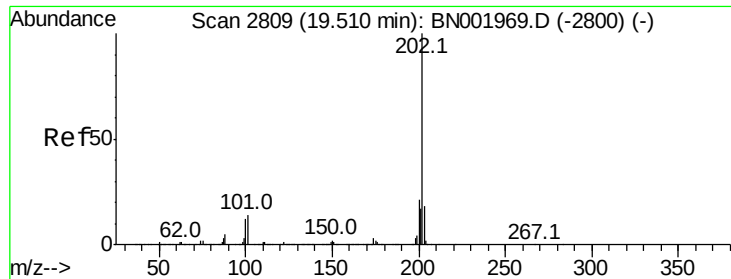


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

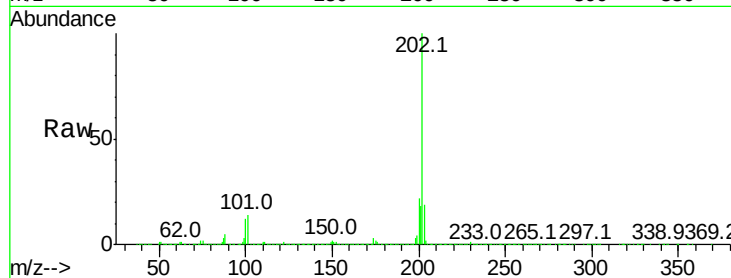




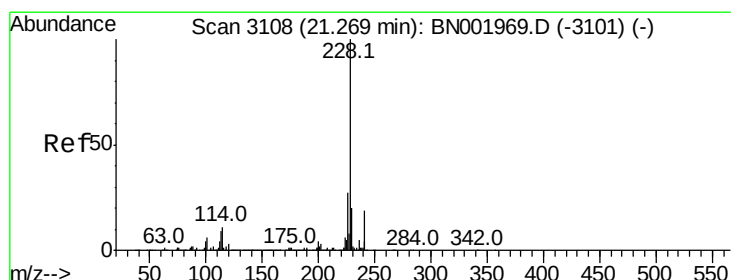
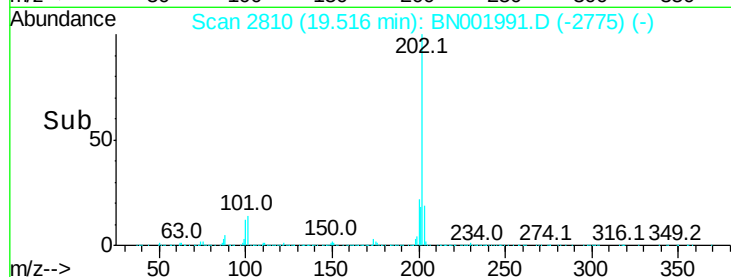
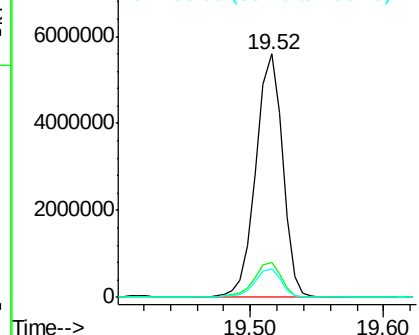
#77
 Pvrene
 Concen: 50.715 ng/ul
 RT: 19.52 min Scan# 2810
 Delta R.T. 0.01 min
 Lab File: BN001991.D
 Acq: 06 Jul 2018 15:56

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:202 Resp: 7716253
 Ion Ratio Lower Upper
 202 100
 101 14.1 6.9 10.3#
 100 11.6 5.6 8.4#

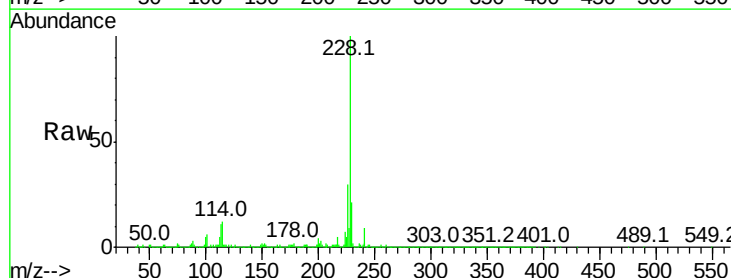


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

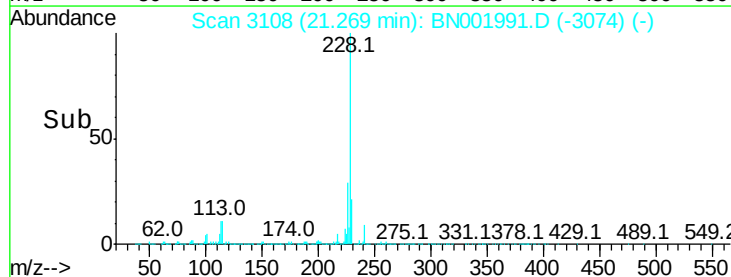
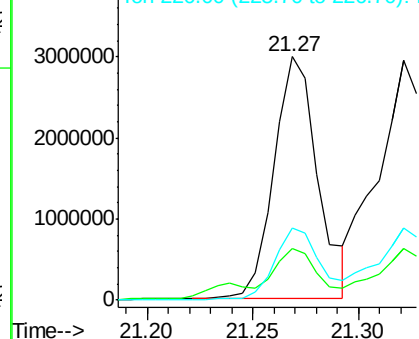


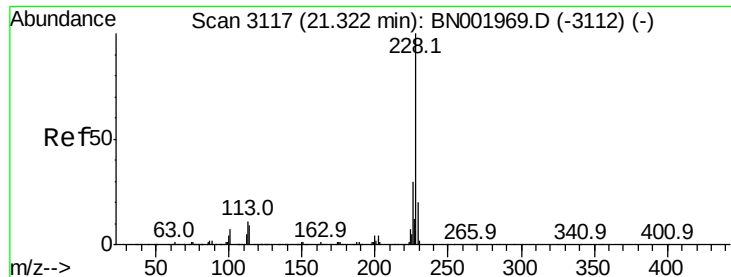
#80
 Benzo(a)anthracene
 Concen: 28.124 ng/ul
 RT: 21.27 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: BN001991.D
 Acq: 06 Jul 2018 15:56

Tgt Ion:228 Resp: 4321414
 Ion Ratio Lower Upper
 228 100
 229 21.1 16.0 24.0
 226 29.6 21.8 32.8



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





#82

Chrysene

Concen: 32.686 ng/ul

RT: 21.32 min Scan# 3117

Delta R.T. 0.01 min

Lab File: BN001991.D

Acq: 06 Jul 2018 15:56

Instrument :

BNA_N

ClientSampleId :

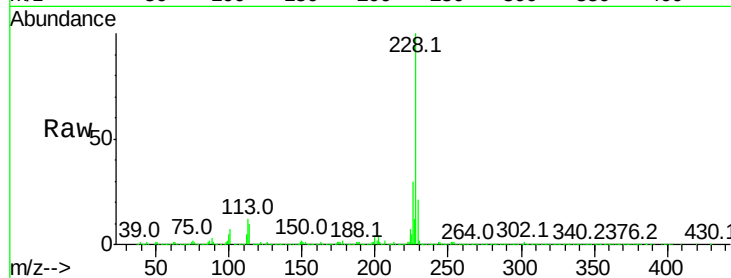
Tot Ion:228 Resp: 4673060

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	21.4	16.0	24.0

228 100

226 29.9 24.1 36.1

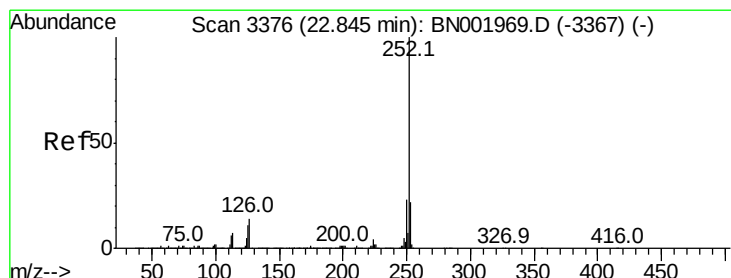
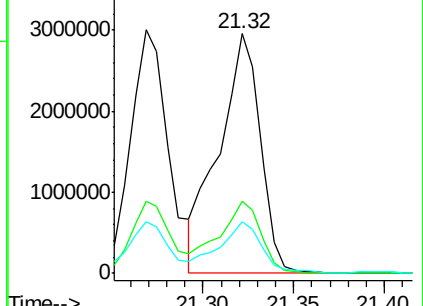
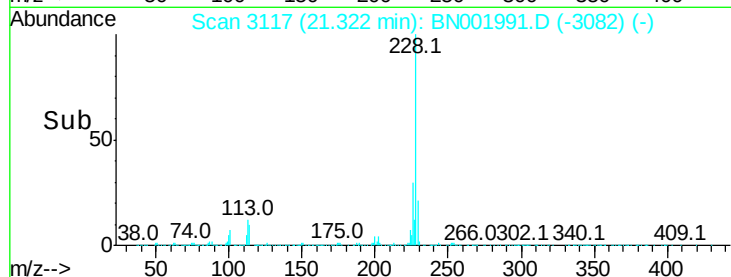
229 21.4 16.0 24.0



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



#85

Benzo(b)fluoranthene

Concen: 46.415 ng/ul

RT: 22.86 min Scan# 3378

Delta R.T. 0.01 min

Lab File: BN001991.D

Acq: 06 Jul 2018 15:56

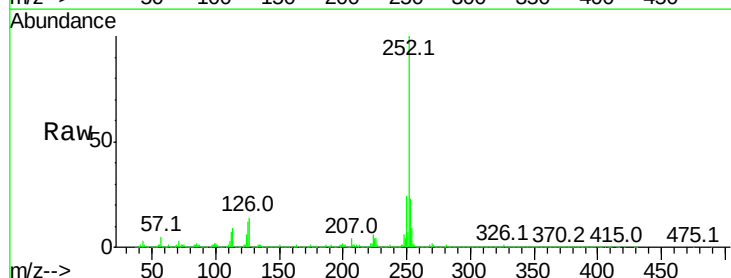
Tgt Ion:252 Resp: 6651702

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	11.7	4.9	7.3

252 100

253 23.1 17.4 26.0

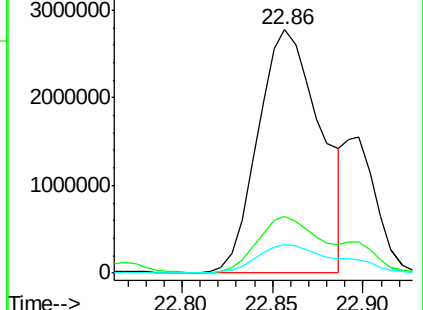
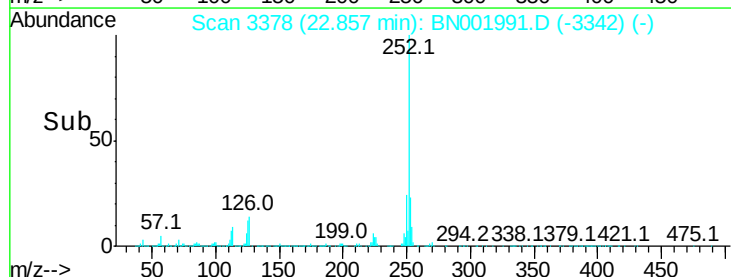
125 11.7 4.9 7.3

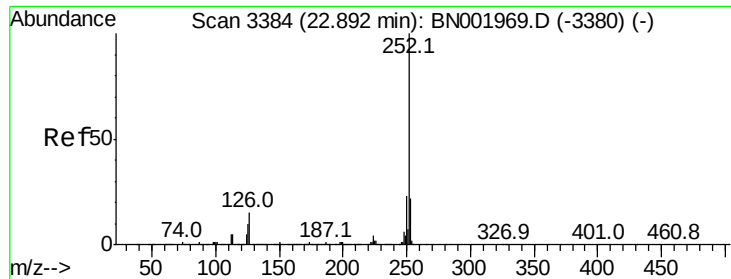


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

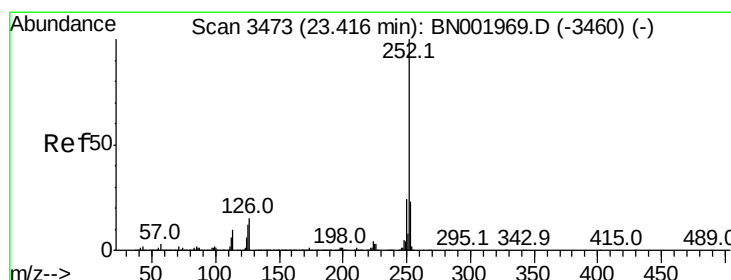
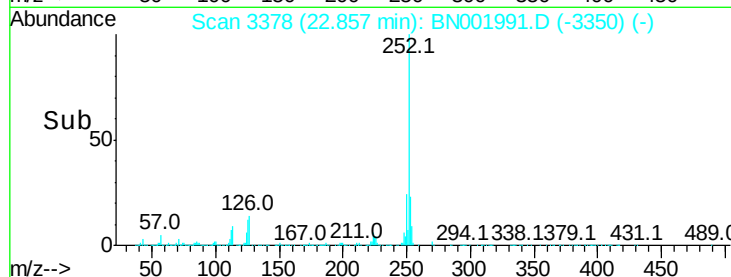
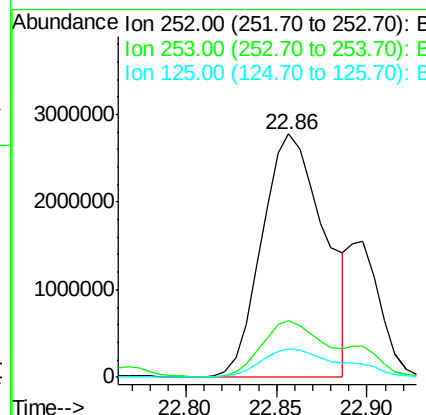
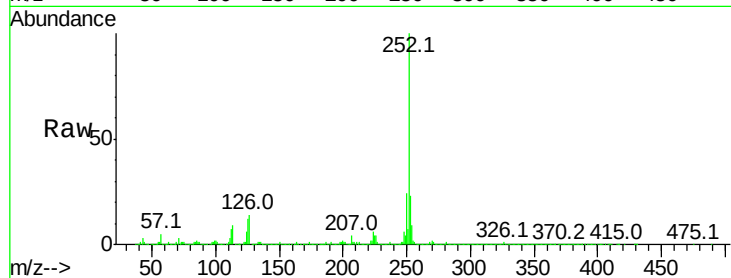




#86
Benzo(k)fluoranthene
Concen: 47.865 ng/ul
RT: 22.86 min Scan# 3378
Delta R.T. -0.04 min
Lab File: BN001991.D
Acq: 06 Jul 2018 15:56

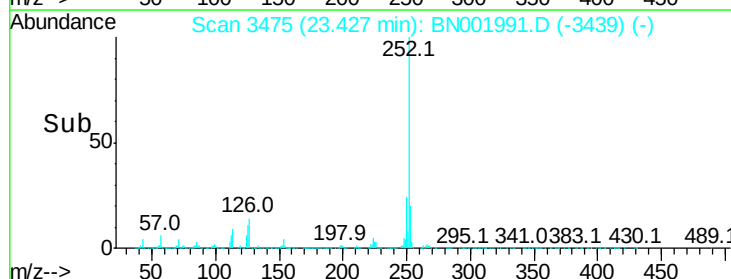
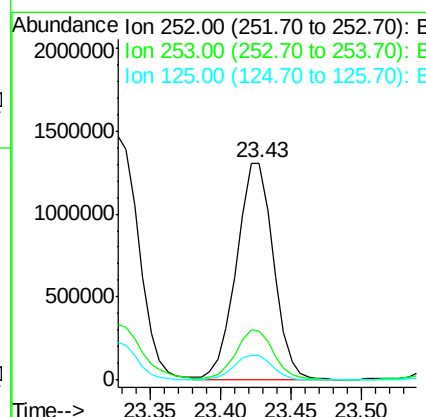
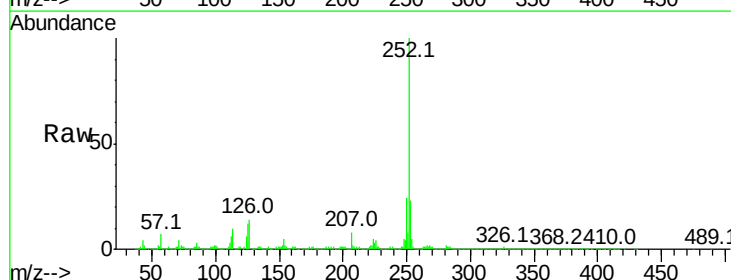
Instrument :
BNA_N
ClientSampleId :

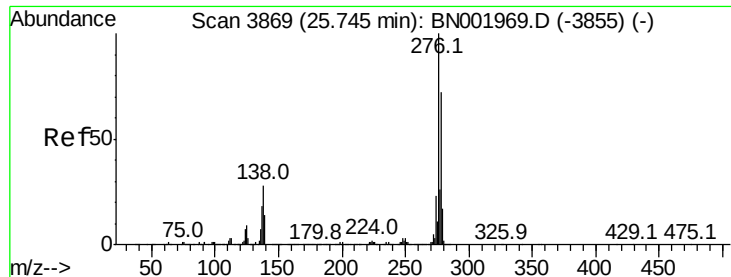
Tot Ion:252 Resp: 6651702
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 11.7 5.4 8.0#



#88
Benzo(a)pyrene
Concen: 17.769 ng/ul
RT: 23.43 min Scan# 3475
Delta R.T. 0.01 min
Lab File: BN001991.D
Acq: 06 Jul 2018 15:56

Tgt Ion:252 Resp: 2379607
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 11.6 5.8 8.6#



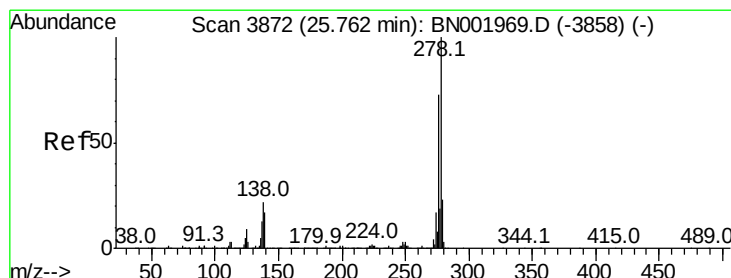
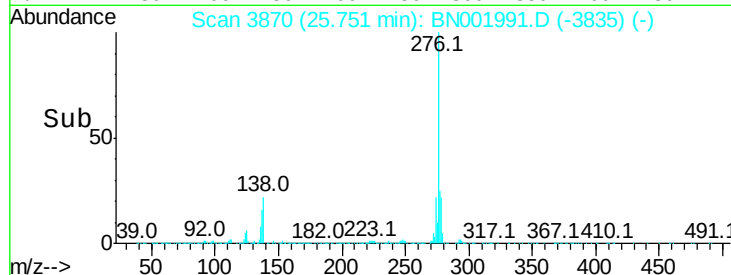
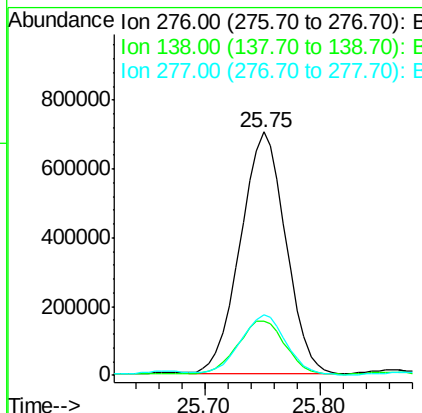
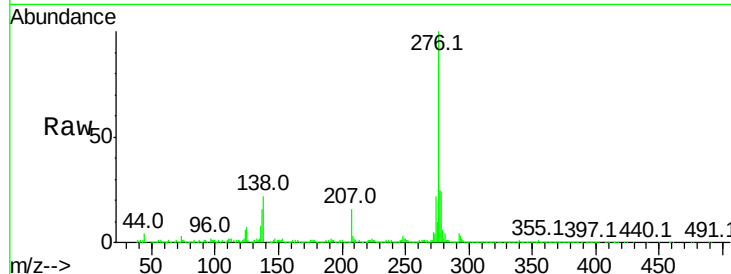


#89

Indeno(1,2,3-cd)pyrene
Concen: 13.508 ng/ul
RT: 25.75 min Scan# 3870
Delta R.T. 0.01 min
Lab File: BN001991.D
Acq: 06 Jul 2018 15:56

Instrument :
BNA_N
ClientSampleId :

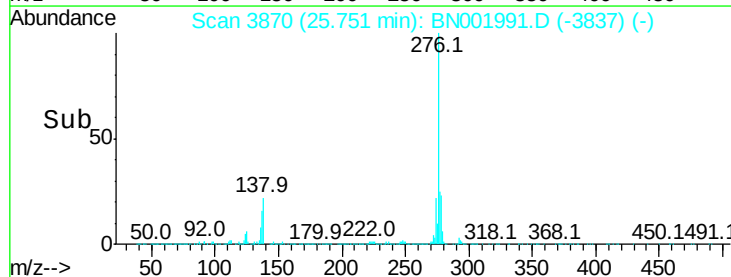
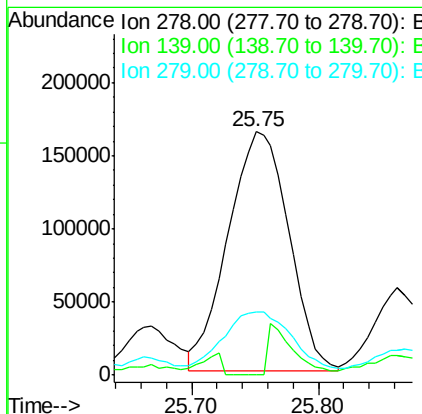
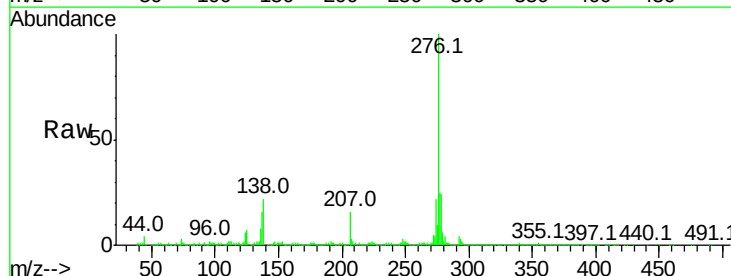
Tot Ion:276 Resp: 1924963
Ion Ratio Lower Upper
276 100
138 22.3 10.9 16.3#
277 25.1 18.9 28.3

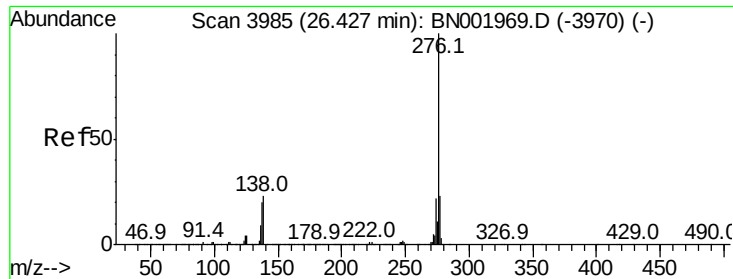


#90

Dibenzo(a,h)anthracene
Concen: 4.591 ng/ul
RT: 25.75 min Scan# 3870
Delta R.T. -0.01 min
Lab File: BN001991.D
Acq: 06 Jul 2018 15:56

Tgt Ion:278 Resp: 544447
Ion Ratio Lower Upper
278 100
139 0.0 9.0 13.4#
279 26.0 19.1 28.7





#91

Benzo(a,h,i)perylene

Concen: 10.479 ng/ul

RT: 26.43 min Scan# 3986

Delta R.T. 0.01 min

Lab File: BN001991.D

Acq: 06 Jul 2018 15:56

Instrument :

BNA_N

ClientSampleId :

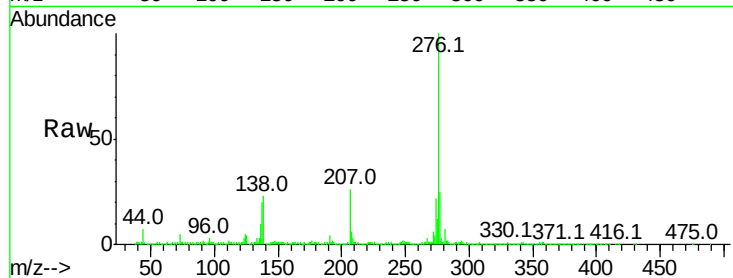
Tot Ion:276 Resp: 1231751

Ion Ratio Lower Upper

276 100

138 23.4 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

