

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
 Data File : BN001990.D
 Acq On : 06 Jul 2018 15:20
 Operator : JU/SJ
 Sample : J3765-07DL 25X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 06 23:08:30 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	7.70	152	531650	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	2478289	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	1470146	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	3303335	20.00	ng/ul	0.00
75) Chrysene-d12	21.29	240	2900523	20.00	ng/ul	0.01
83) Perylene-d12	23.53	264	2542928	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	3068	0.25	ng/uL	0.00
5) Phenol-d5	6.89	99	61533	1.28	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	41423	1.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	51273	1.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	48414	1.26	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	25879	1.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	26189	1.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	50694	1.25	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	11912	0.28	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	166592	1.34	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	209311	1.37	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	11855	0.52	ng/ul	0.01
57) Fluorene-d10	15.33	176	160096	1.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	12189	0.68	ng/ul	0.00
70) Anthracene-d10	17.18	188	236533	1.48	ng/ul	0.00
76) Pyrene-d10	19.49	212	241561	1.65	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.39	264	193125	1.40	ng/ul	0.02

Target Compounds

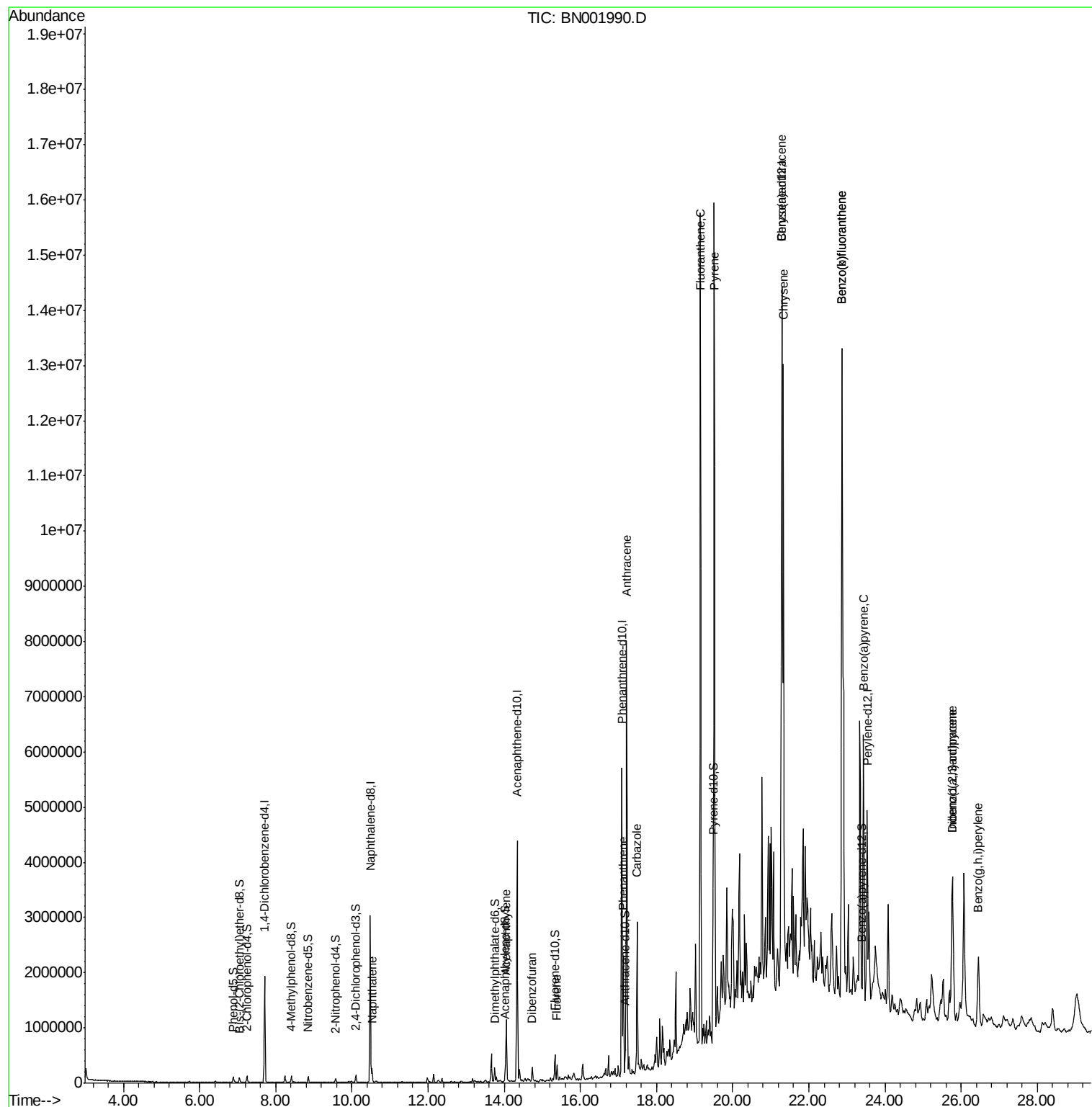
					Ovalue	
28) Naphthalene	10.53	128	201148	1.530	ng/ul	99
47) Acenaphthylene	14.06	152	831370	5.620	ng/ul	99
53) Dibenzofuran	14.73	168	154098	1.047	ng/ul	97
58) Fluorene	15.39	166	136342	1.161	ng/ul	97
69) Phenanthrene	17.13	178	1309160	7.035	ng/ul	99
71) Anthracene	17.22	178	4980849	26.443	ng/ul	99
72) Carbazole	17.49	167	1726889	10.945	ng/ul	98
74) Fluoranthene	19.15	202	9066554	46.352	ng/ul#	87
77) Pvrene	19.52	202	9753441	53.734	ng/ul#	85
80) Benzo(a)anthracene	21.28	228	5867673	32.009	ng/ul	95
82) Chrysene	21.33	228	6822272	39.999	ng/ul	98
85) Benzo(b)fluoranthene	22.87	252	8971469	55.859	ng/ul#	95
86) Benzo(k)fluoranthene	22.87	252	8971469	57.604	ng/ul#	94
88) Benzo(a)pyrene	23.43	252	3225861	21.493	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.77	276	2393195	14.985	ng/ul#	91
90) Dibenzo(a,h)anthracene	25.77	278	671495	5.052	ng/ul#	89
91) Benzo(g,h,i)perylene	26.45	276	1492605	11.330	ng/ul#	90

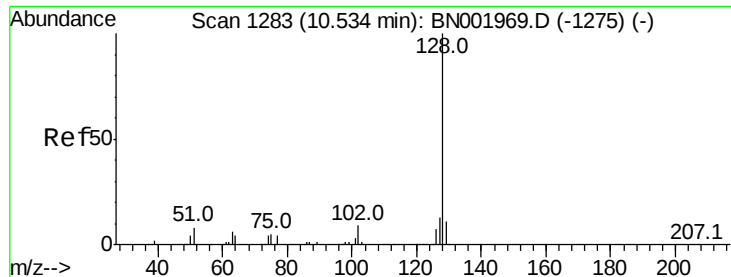
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070618\
Data File : BN001990.D
Acq On : 06 Jul 2018 15:20
Operator : JU/SJ
Sample : J3765-07DL 25X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Jul 06 23:08:30 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





#28

Naphthalene

Concen: 1.530 ng/ul

RT: 10.53 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BN001990.D

Acq: 06 Jul 2018 15:20

Instrument :

BNA_N

ClientSampleId :

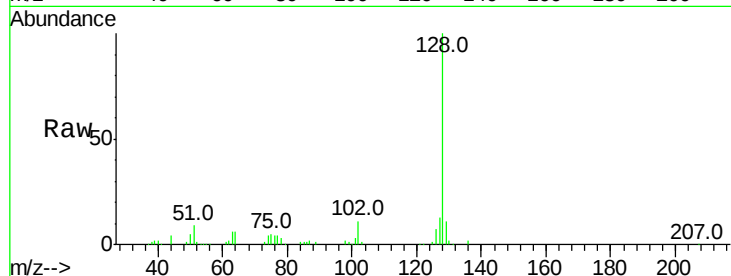
Tot Ion:128 Resp: 201148

Ion Ratio Lower Upper

128 100

129 10.9 8.3 12.5

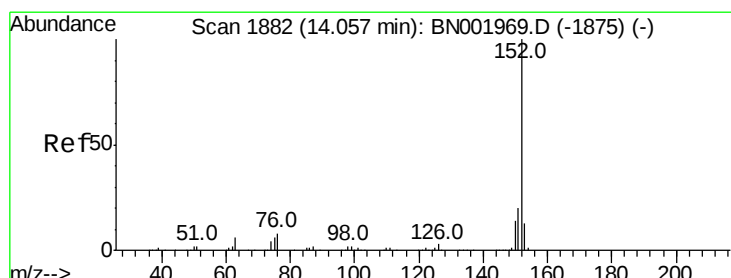
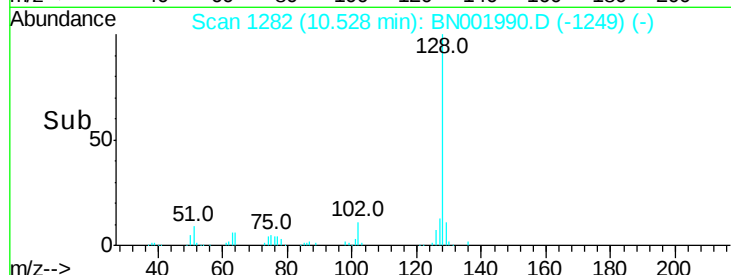
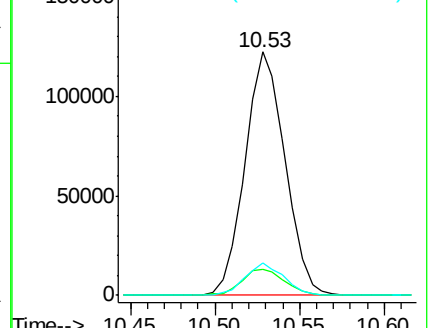
127 13.3 10.8 16.2



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



#47

Acenaphthylene

Concen: 5.620 ng/ul

RT: 14.06 min Scan# 1882

Delta R.T. 0.00 min

Lab File: BN001990.D

Acq: 06 Jul 2018 15:20

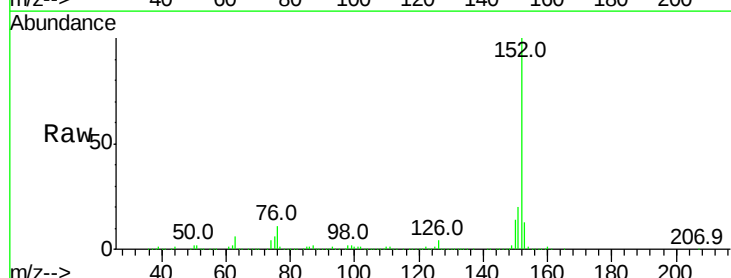
Tgt Ion:152 Resp: 831370

Ion Ratio Lower Upper

152 100

151 19.8 16.1 24.1

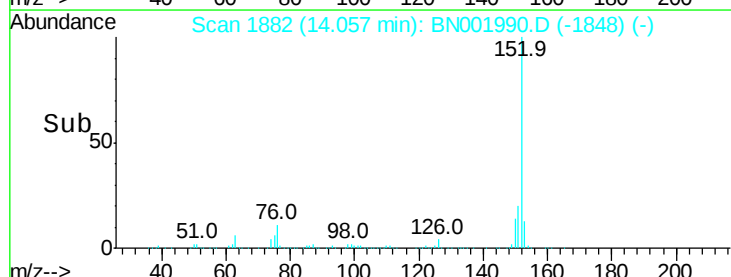
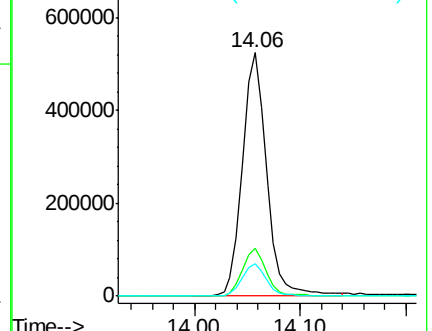
153 13.4 10.8 16.2

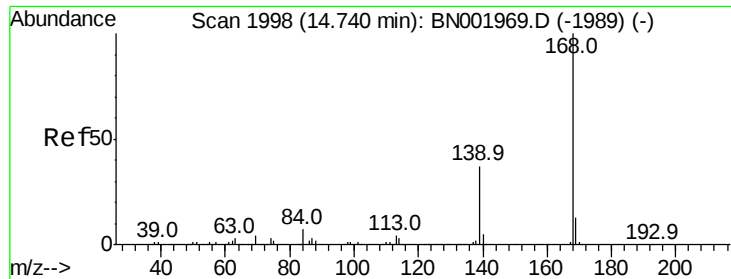


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#53

Dibenzenofuran

Concen: 1.047 ng/ul

RT: 14.73 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BN001990.D

Acq: 06 Jul 2018 15:20

Instrument :

BNA_N

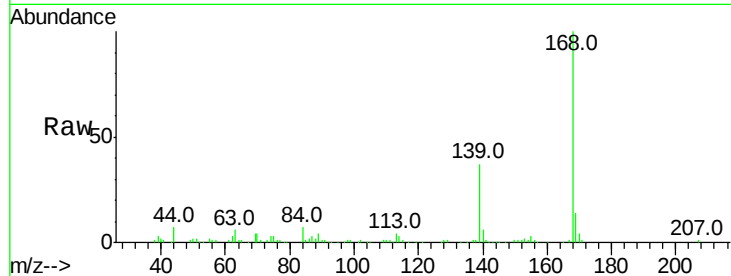
ClientSampleId :

Tot Ion:168 Resp: 154098

Ion Ratio Lower Upper

168 100

139 36.9 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

120000

100000

80000

60000

40000

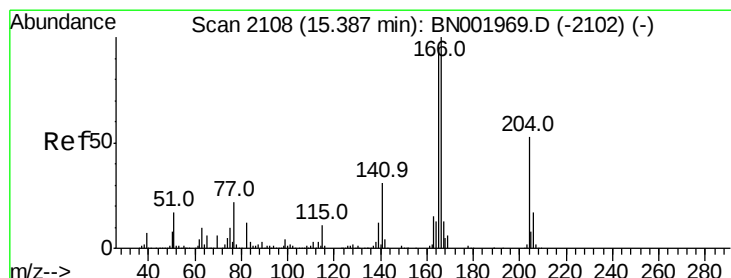
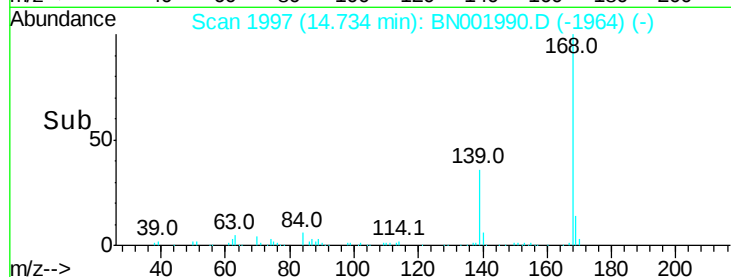
20000

0

14.73

14.70 14.80

Time-->



#58

Fluorene

Concen: 1.161 ng/ul

RT: 15.39 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BN001990.D

Acq: 06 Jul 2018 15:20

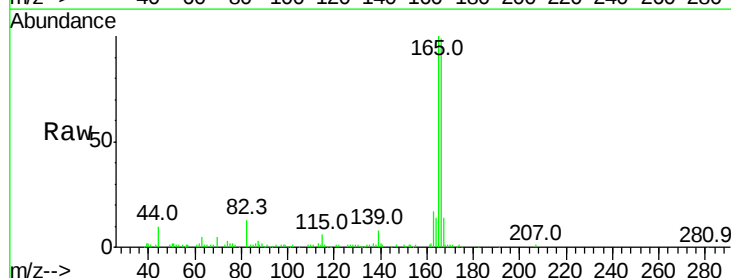
Tgt Ion:166 Resp: 136342

Ion Ratio Lower Upper

166 100

165 101.1 78.4 117.6

167 14.0 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

120000

100000

80000

60000

40000

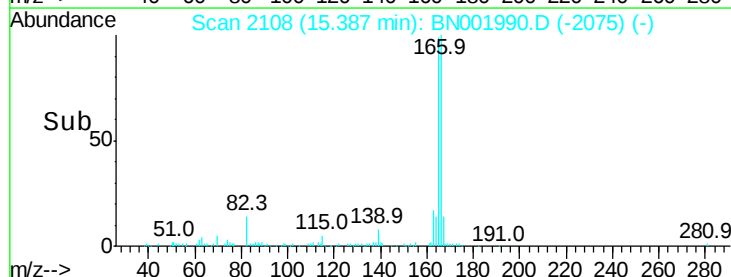
20000

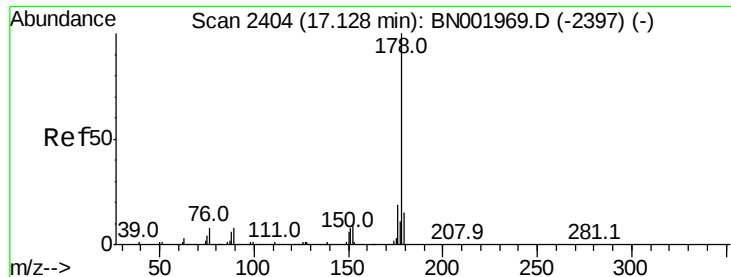
0

15.39

15.35 15.40 15.45

Time-->





#69

Phenanthrene

Concen: 7.035 ng/ul

RT: 17.13 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BN001990.D

Acq: 06 Jul 2018 15:20

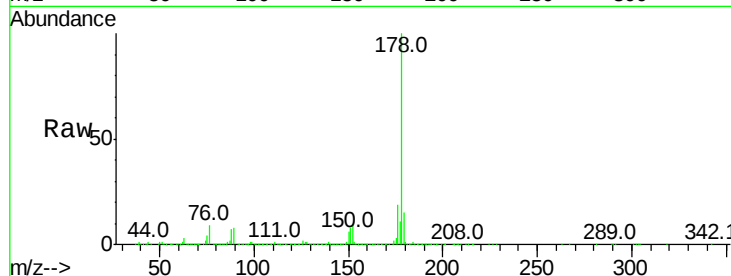
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 1309160

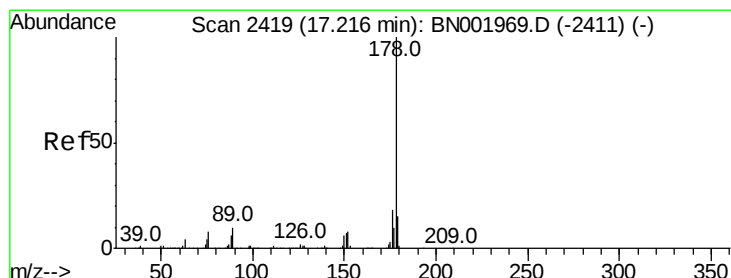
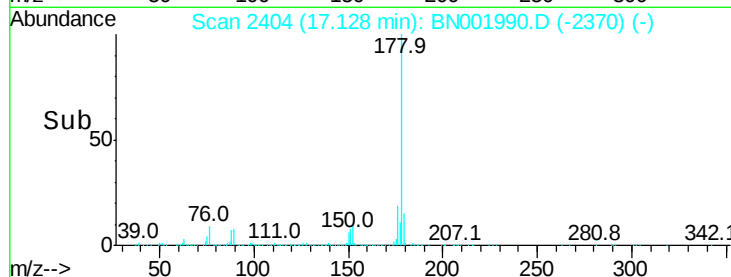
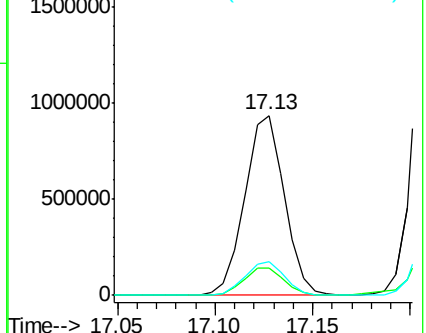
Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.3	18.5
176	18.7	15.4	23.0



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: 26.443 ng/ul

RT: 17.22 min Scan# 2419

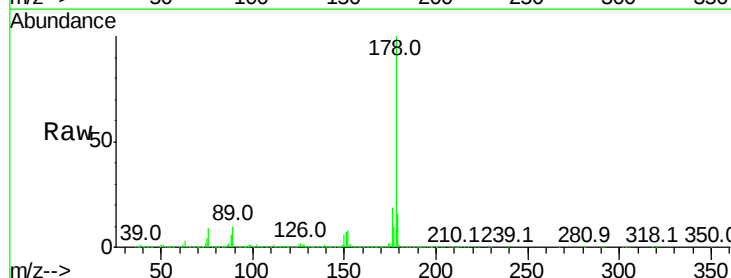
Delta R.T. 0.00 min

Lab File: BN001990.D

Acq: 06 Jul 2018 15:20

Tgt Ion:178 Resp: 4980849

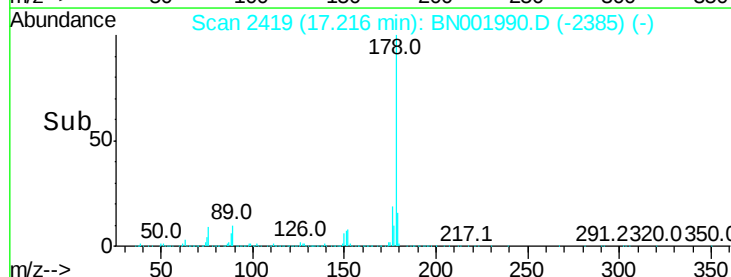
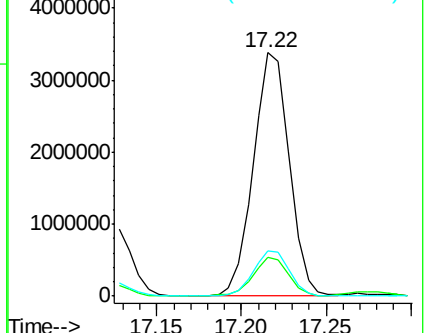
Ion	Ratio	Lower	Upper
178	100		
179	15.9	13.4	20.2
176	18.7	15.4	23.0

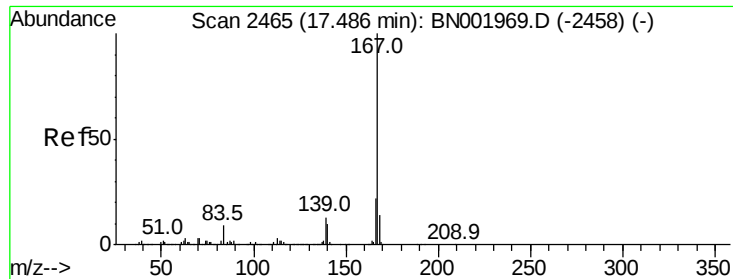


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 10.945 ng/ul

RT: 17.49 min Scan# 2465

Delta R.T. 0.00 min

Lab File: BN001990.D

Acq: 06 Jul 2018 15:20

Instrument :

BNA_N

ClientSampleId :

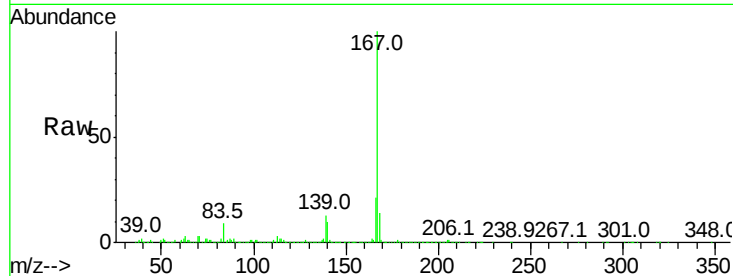
Tot Ion:167 Resp: 1726889

Ion Ratio Lower Upper

167 100

166 21.4 17.0 25.4

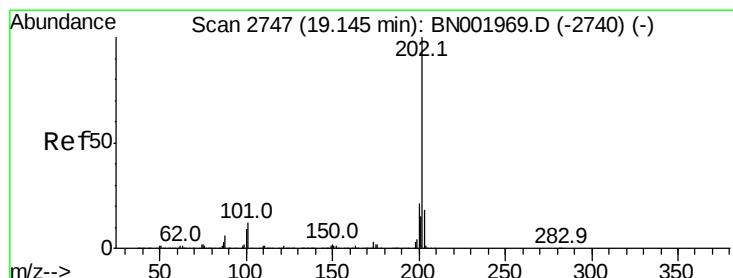
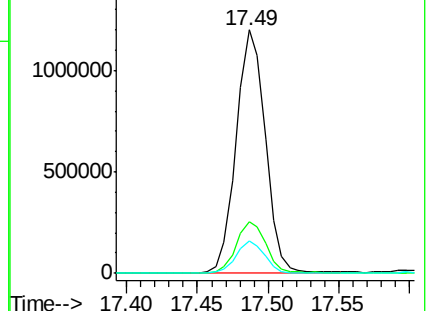
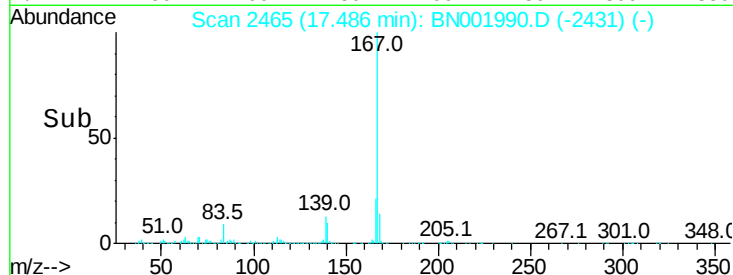
139 13.2 9.1 13.7



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



#74

Fluoranthene

Concen: 46.352 ng/ul

RT: 19.15 min Scan# 2748

Delta R.T. 0.01 min

Lab File: BN001990.D

Acq: 06 Jul 2018 15:20

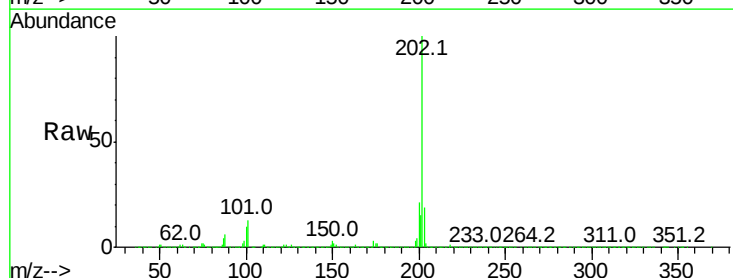
Tgt Ion:202 Resp: 9066554

Ion Ratio Lower Upper

202 100

101 12.7 6.1 9.1#

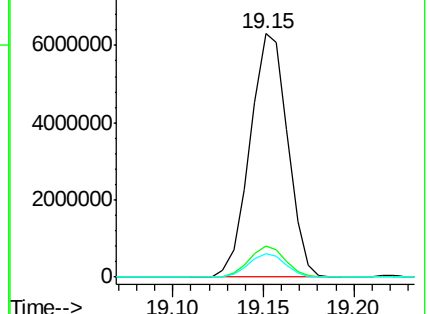
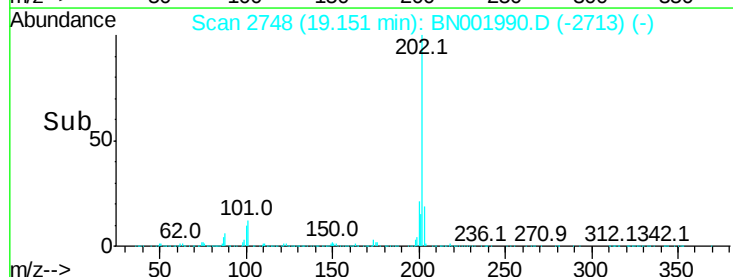
100 9.6 4.6 7.0#

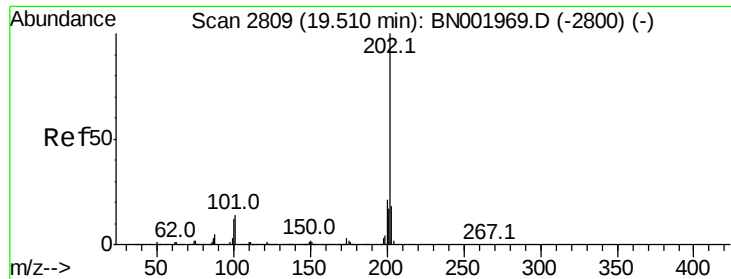


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

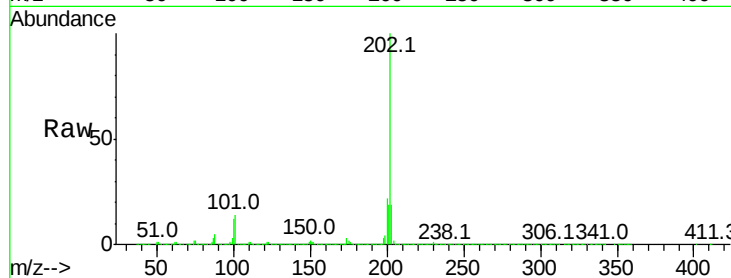




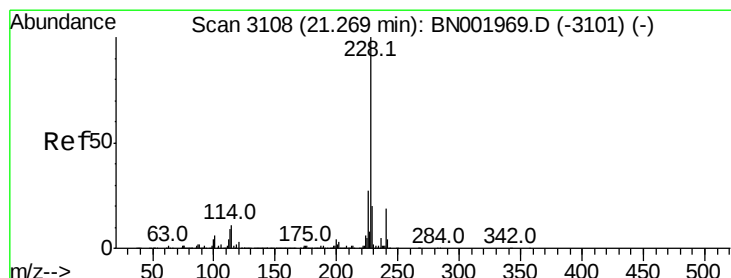
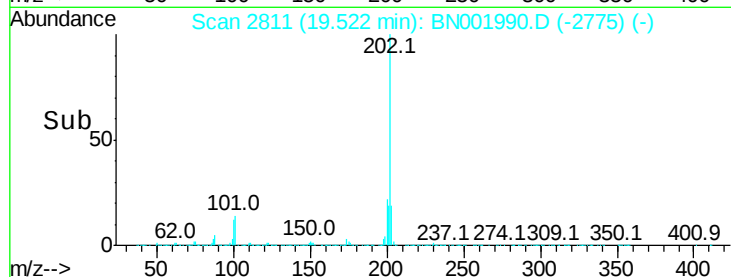
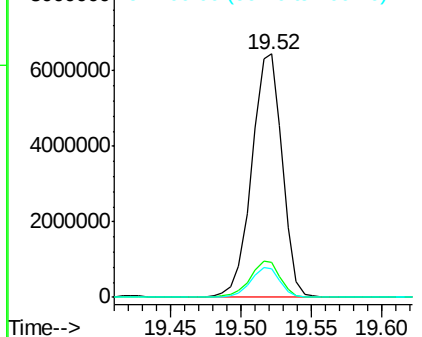
#77
Pvrene
Concen: 53.734 ng/ul
RT: 19.52 min Scan# 2811
Delta R.T. 0.01 min
Lab File: BN001990.D
Acq: 06 Jul 2018 15:20

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 9753441
Ion Ratio Lower Upper
202 100
101 14.1 6.9 10.3#
100 11.6 5.6 8.4#

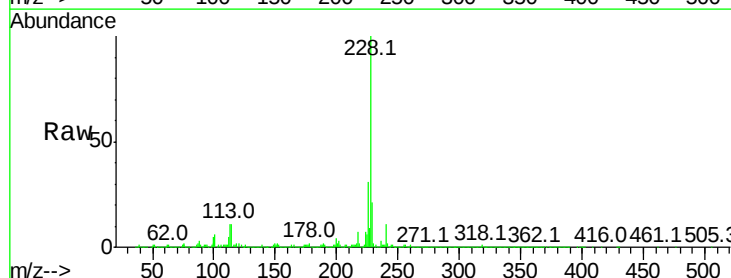


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

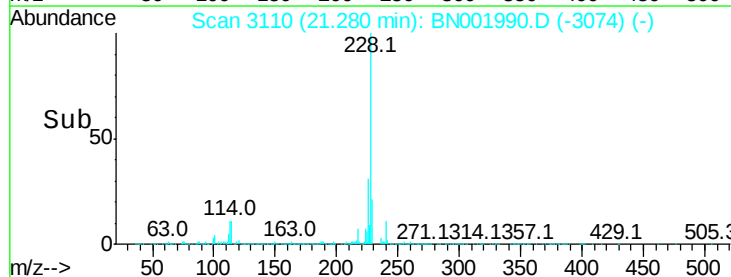
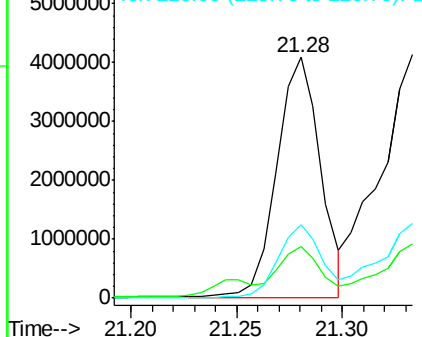


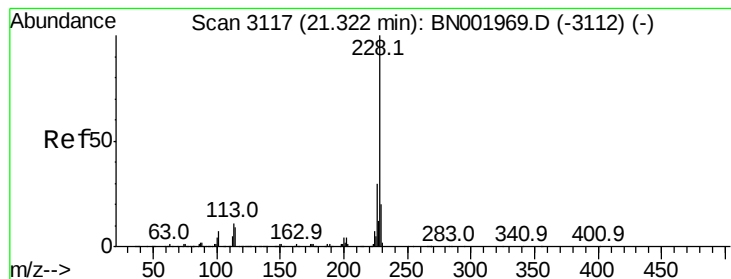
#80
Benzo(a)anthracene
Concen: 32.009 ng/ul
RT: 21.28 min Scan# 3110
Delta R.T. 0.01 min
Lab File: BN001990.D
Acq: 06 Jul 2018 15:20

Tgt Ion:228 Resp: 5867673
Ion Ratio Lower Upper
228 100
229 21.2 16.0 24.0
226 30.7 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: 39.999 ng/ul

RT: 21.33 min Scan# 3119

Delta R.T. 0.02 min

Lab File: BN001990.D

Acq: 06 Jul 2018 15:20

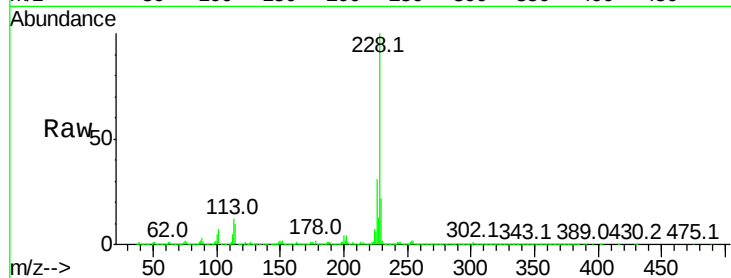
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 6822272

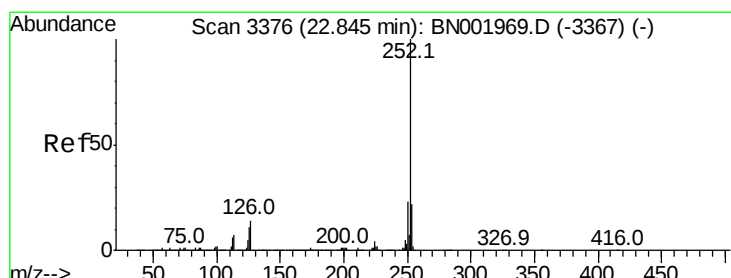
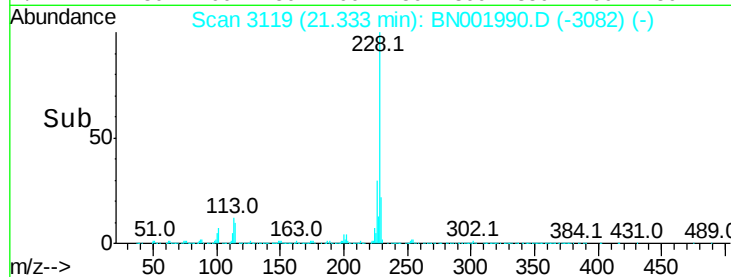
Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.1	36.1
229	22.2	16.0	24.0



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: 55.859 ng/ul

RT: 22.87 min Scan# 3380

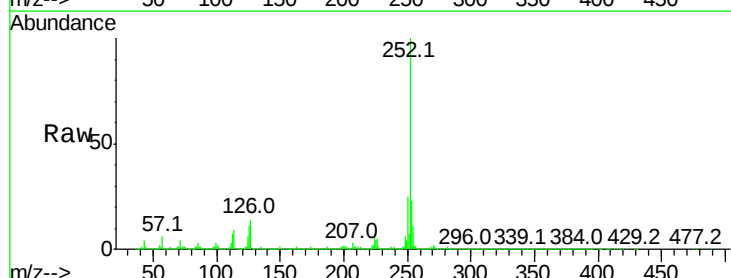
Delta R.T. 0.02 min

Lab File: BN001990.D

Acq: 06 Jul 2018 15:20

Tgt Ion:252 Resp: 8971469

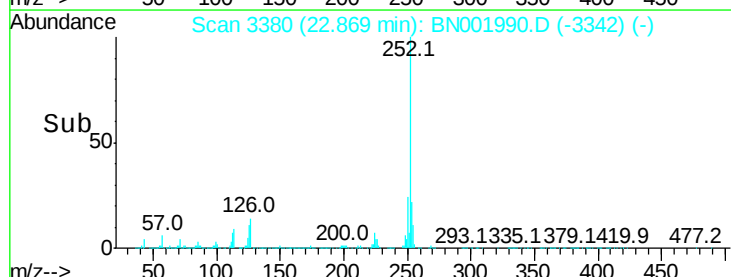
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	11.4	4.9	7.3#

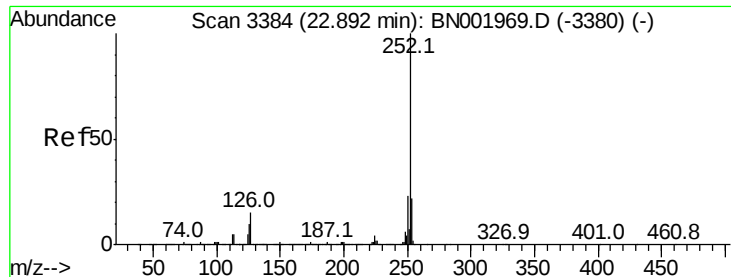


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 57.604 ng/ul

RT: 22.87 min Scan# 3380

Delta R.T. -0.02 min

Lab File: BN001990.D

Acq: 06 Jul 2018 15:20

Instrument :

BNA_N

ClientSampleId :

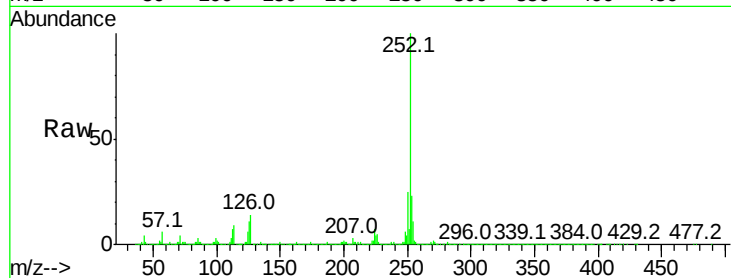
Tot Ion:252 Resp: 8971469

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

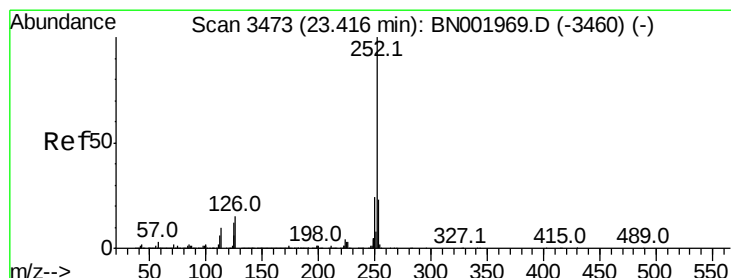
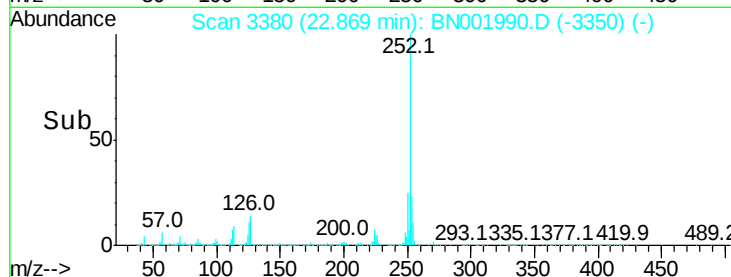
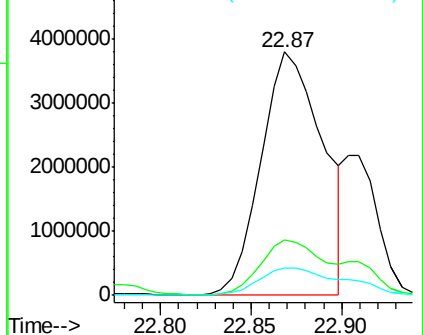
125 11.4 5.4 8.0#



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



#88

Benzo(a)pyrene

Concen: 21.493 ng/ul

RT: 23.43 min Scan# 3476

Delta R.T. 0.02 min

Lab File: BN001990.D

Acq: 06 Jul 2018 15:20

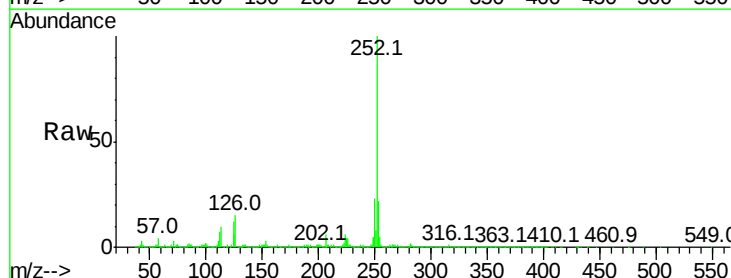
Tgt Ion:252 Resp: 3225861

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

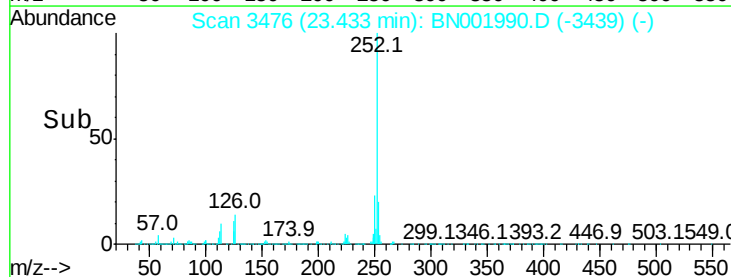
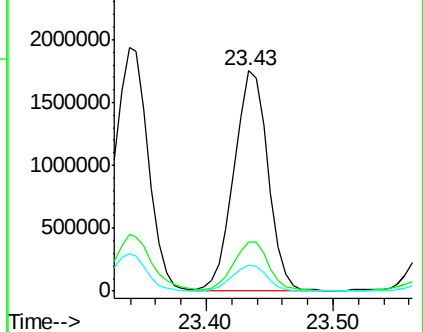
125 11.6 5.8 8.6#

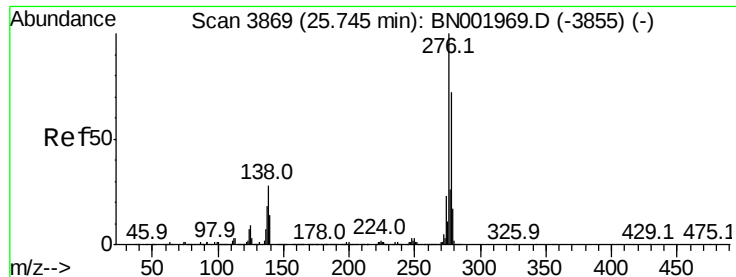


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



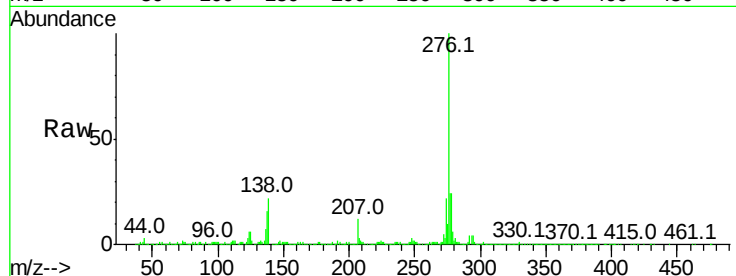


#89

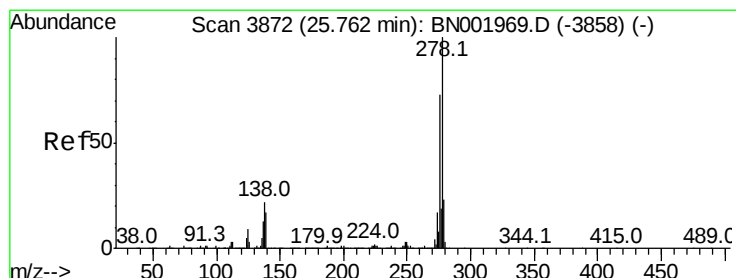
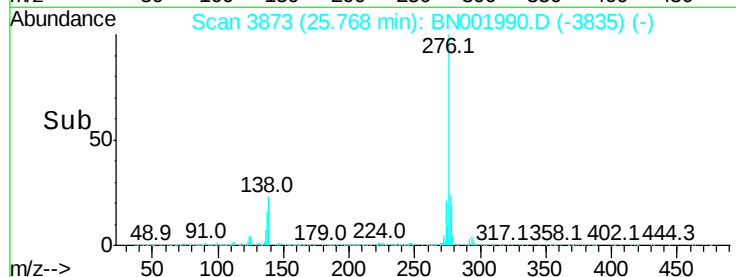
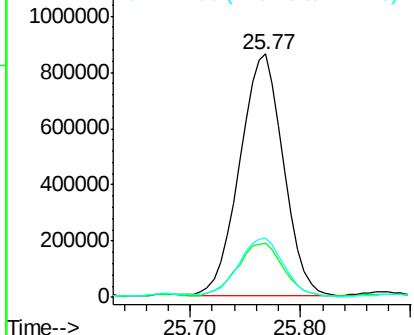
Indeno(1,2,3-cd)pyrene
Concen: 14.985 ng/ul
RT: 25.77 min Scan# 3873
Delta R.T. 0.02 min
Lab File: BN001990.D
Acq: 06 Jul 2018 15:20

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.5	10.9	16.3#
277	24.4	18.9	28.3



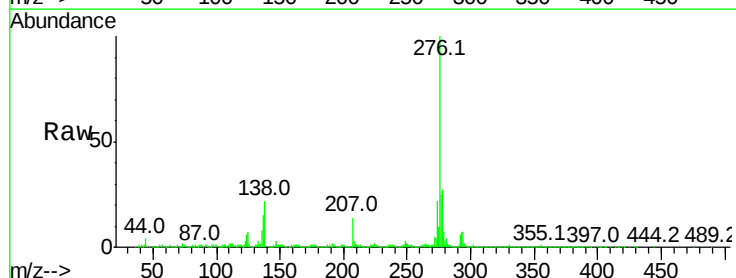
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



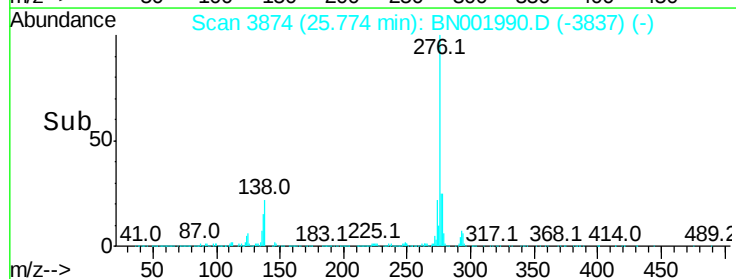
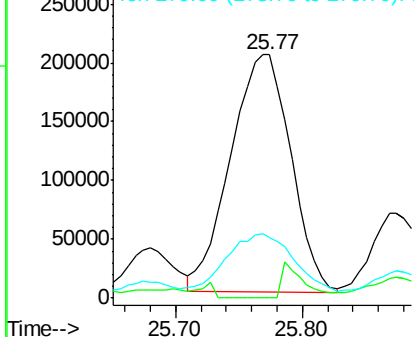
#90

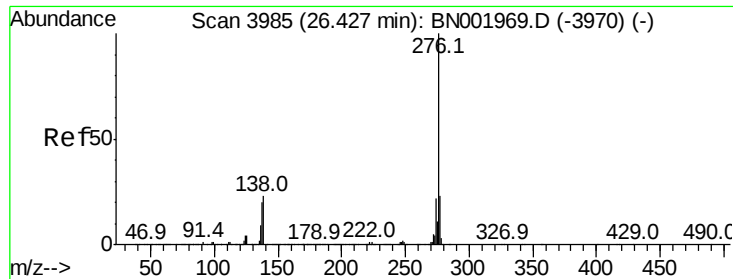
Dibenzo(a,h)anthracene
Concen: 5.052 ng/ul
RT: 25.77 min Scan# 3874
Delta R.T. 0.02 min
Lab File: BN001990.D
Acq: 06 Jul 2018 15:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	9.0	13.4#
279	24.8	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(a,h,i)perylene

Concen: 11.330 ng/ul

RT: 26.45 min Scan# 3989

Delta R.T. 0.03 min

Lab File: BN001990.D

Acq: 06 Jul 2018 15:20

Instrument :

BNA_N

ClientSampleId :

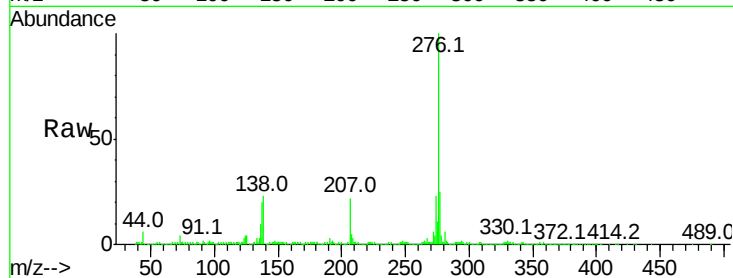
Tot Ion:276 Resp: 1492605

Ion Ratio Lower Upper

276 100

138 23.4 11.2 16.8#

277 24.5 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

